

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004857.D
 Acq On : 21 Mar 2019 19:24
 Operator : JU/SJ
 Sample : PB117788BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB117788BS

Quant Time: Mar 22 02:01:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 20 16:06:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	1700	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	7335	0.40	ng	0.00
13) Acenaphthene-d10	14.34	164	4572	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	12802	0.40	ng	0.00
27) Chrysene-d12	21.29	240	16721	0.40	ng	0.00
34) Perylene-d12	23.55	264	18428	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.30	112	1050	0.23	ng	0.00
5) Phenol-d6	6.89	99	1270	0.22	ng	0.00
8) Nitrobenzene-d5	8.87	82	908	0.19	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	3302	0.26	ng	0.00
14) 2,4,6-Tribromophenol	15.86	330	518	0.16	ng	0.01
15) 2-Fluorobiphenyl	12.96	172	4220	0.22	ng	0.00
25) Fluoranthene-d10	19.13	212	8772	0.20	ng	0.00
29) Terphenyl-d14	19.73	244	7420	0.22	ng	0.00

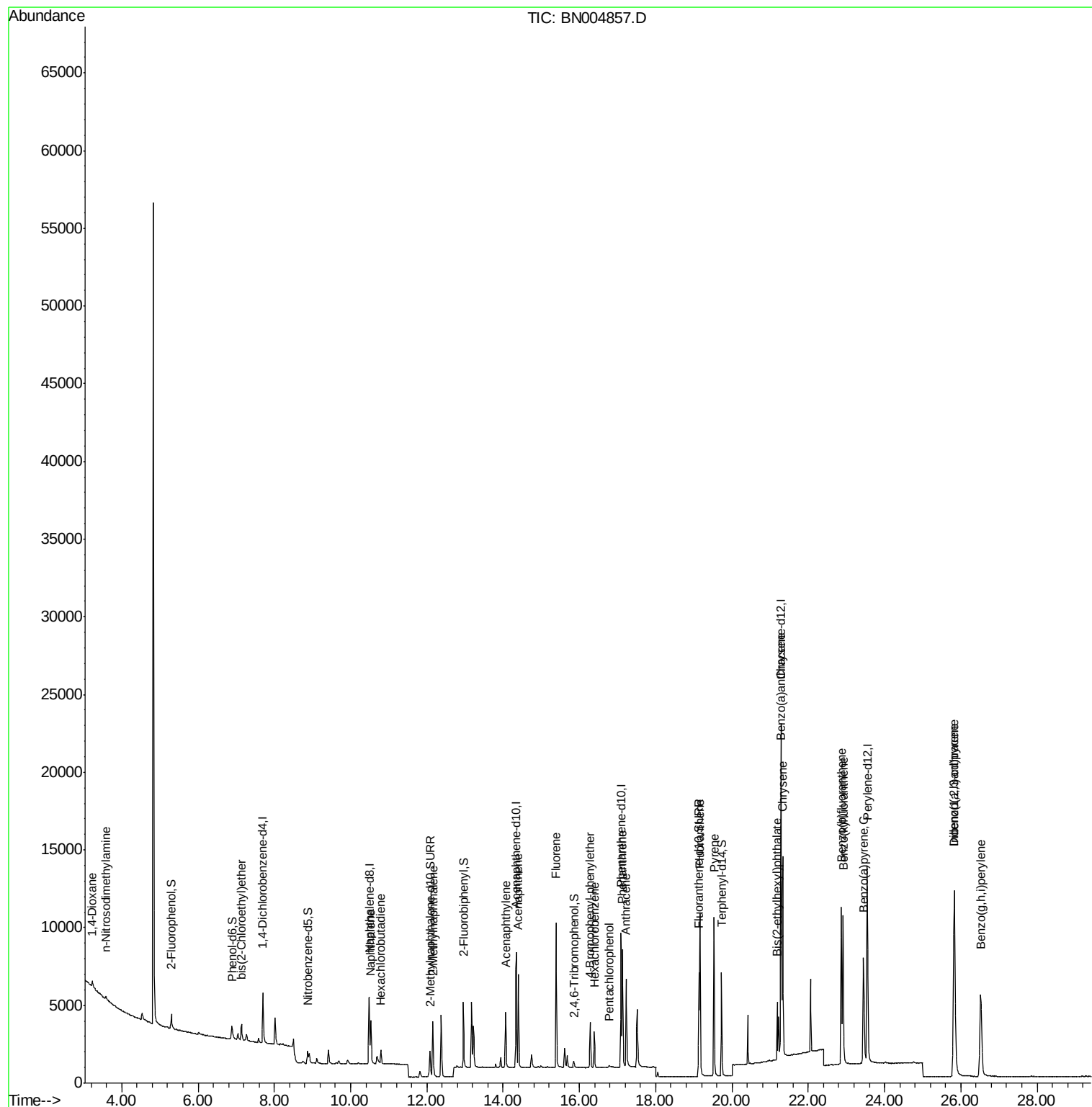
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.23	88	314	0.162	ng	# 40
3) n-Nitrosodimethylamine	3.58	42	190	0.166	ng	# 98
6) bis(2-Chloroethyl)ether	7.14	93	1008	0.194	ng	97
9) Naphthalene	10.53	128	4265	0.207	ng	97
10) Hexachlorobutadiene	10.80	225	782	0.199	ng	# 97
12) 2-Methylnaphthalene	12.15	142	3124	0.204	ng	98
16) Acenaphthylene	14.07	152	4438	0.188	ng	100
17) Acenaphthene	14.40	154	3102	0.201	ng	100
18) Fluorene	15.39	166	4349	0.202	ng	98
20) 4-Bromophenyl-phenylether	16.28	248	1536	0.184	ng	95
21) Hexachlorobenzene	16.39	284	1823	0.190	ng	97
22) Pentachlorophenol	16.78	266	130	0.069	ng	# 84
23) Phenanthrene	17.13	178	7987	0.193	ng	99
24) Anthracene	17.23	178	6889	0.187	ng	100
26) Fluoranthene	19.16	202	9990	0.188	ng	100
28) Pyrene	19.53	202	10310	0.202	ng	99
30) Benzo(a)anthracene	21.28	228	10431	0.190	ng	98
31) Chrysene	21.33	228	11822	0.205	ng	99
32) Bis(2-ethylhexyl)phthalate	21.18	149	3224	0.147	ng	99
33) Indeno(1,2,3-cd)pyrene	25.83	276	15393	0.184	ng	100
35) Benzo(b)fluoranthene	22.87	252	12971	0.195	ng	97
36) Benzo(k)fluoranthene	22.91	252	13155	0.201	ng	98
37) Benzo(a)pyrene	23.45	252	12147	0.199	ng	96
38) Dibenzo(a,h)anthracene	25.83	278	12838	0.181	ng	97
39) Benzo(g,h,i)perylene	26.52	276	13274	0.184	ng	98

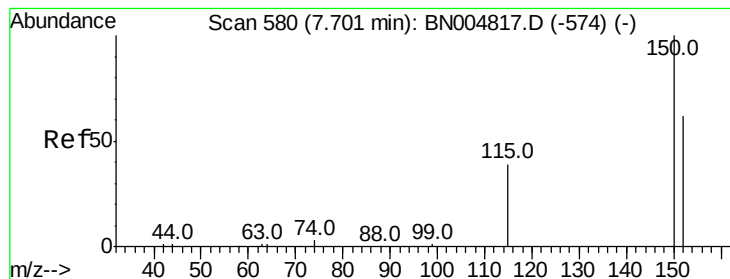
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.70 min Scan# 580

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

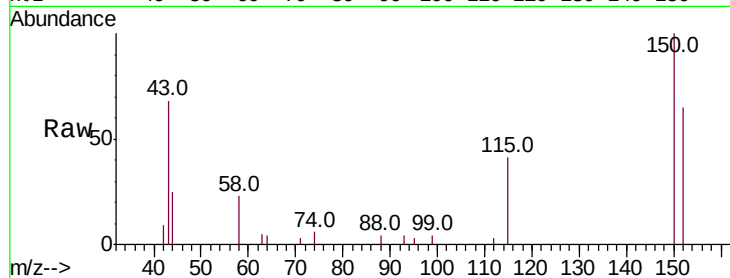
Tot Ion:152 Resp: 1700

Ion Ratio Lower Upper

152 100

150 154.0 126.2 189.4

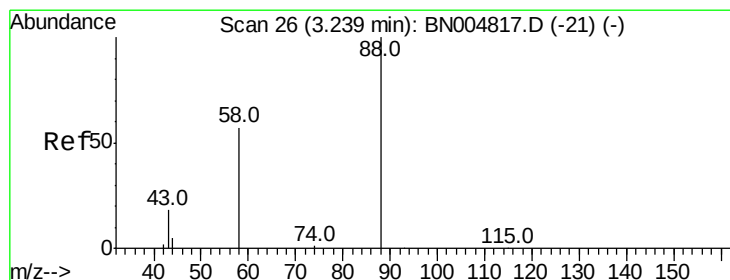
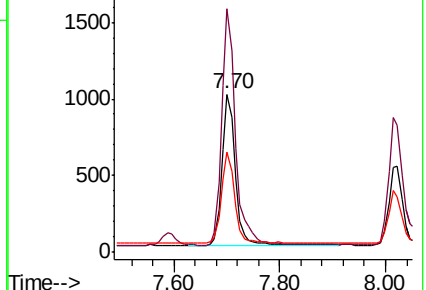
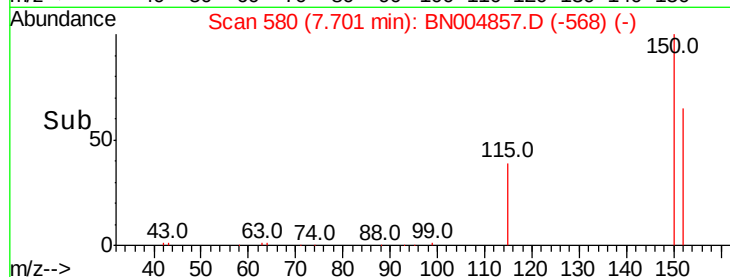
115 63.0 52.6 79.0



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: 0.162 ng

RT: 3.23 min Scan# 25

Delta R.T. -0.01 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

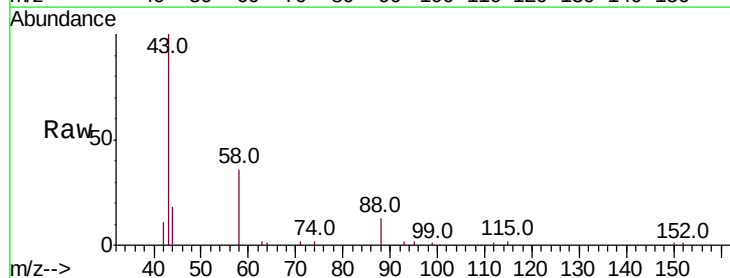
Tgt Ion: 88 Resp: 314

Ion Ratio Lower Upper

88 100

58 115.0 51.4 77.2#

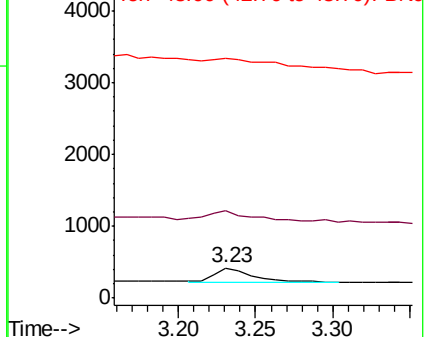
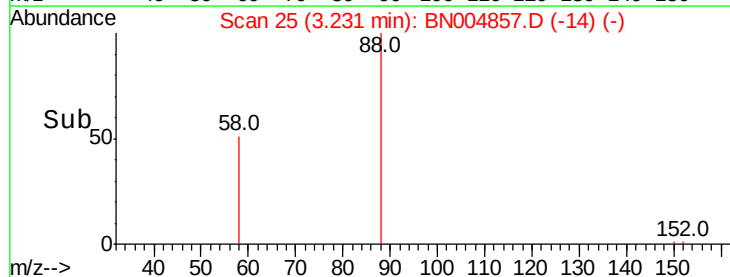
43 0.0 20.0 30.0#

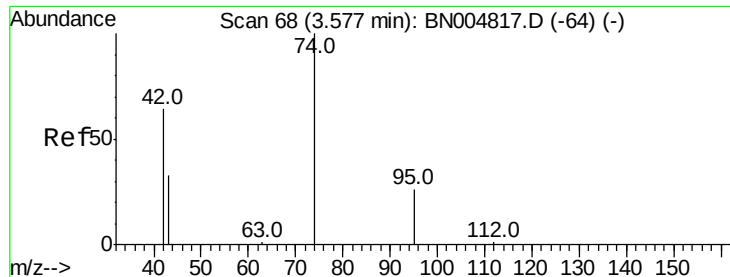


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.166 ng

RT: 3.58 min Scan# 68

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

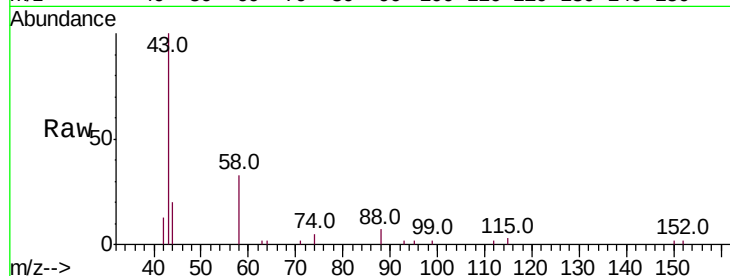
Tot Ion: 42 Resp: 190

Ion Ratio Lower Upper

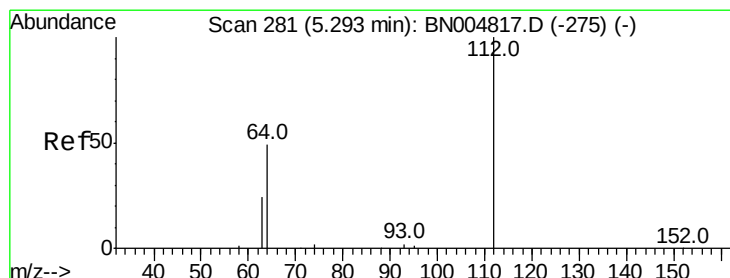
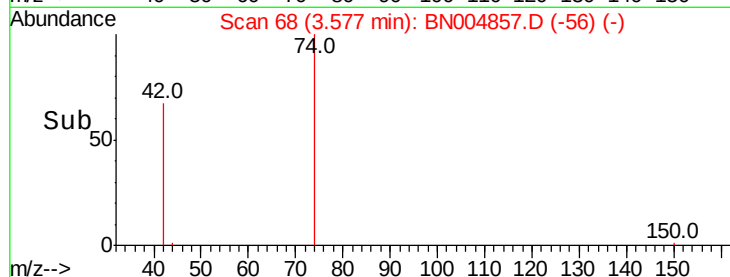
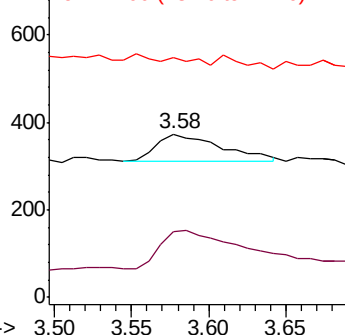
42 100

74 158.9 128.4 192.6

44 0.0 6.1 9.1#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.227 ng

RT: 5.30 min Scan# 282

Delta R.T. 0.01 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

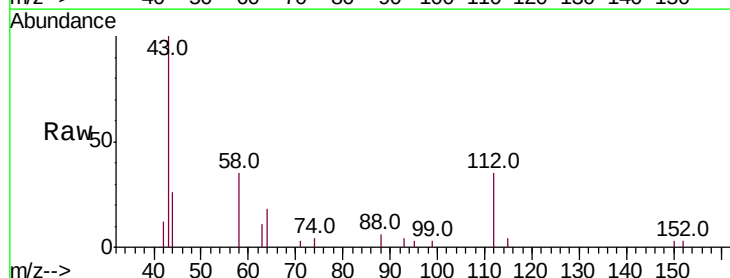
Tgt Ion: 112 Resp: 1050

Ion Ratio Lower Upper

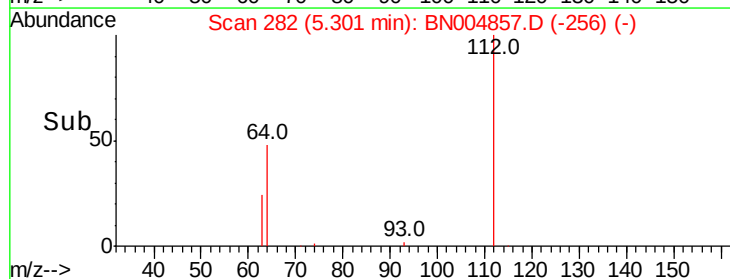
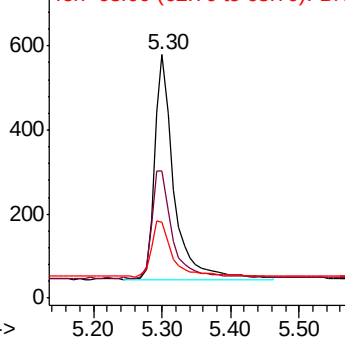
112 100

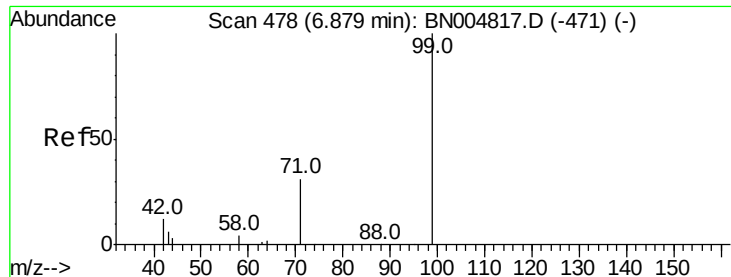
64 52.0 40.0 60.0

63 27.0 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.221 ng

RT: 6.89 min Scan# 479

Delta R.T. 0.01 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

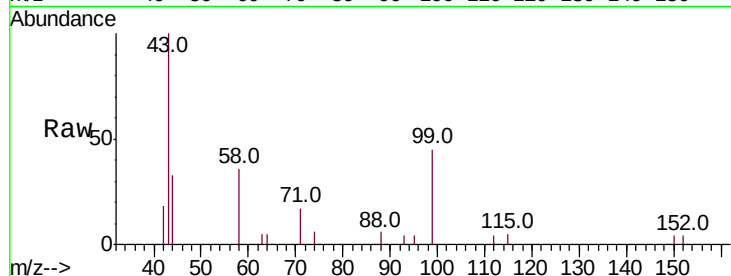
Tot Ion: 99 Resp: 1270

Ion Ratio Lower Upper

99 100

42 15.6 12.7 19.1

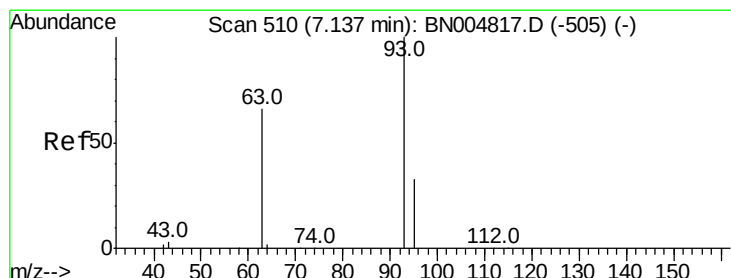
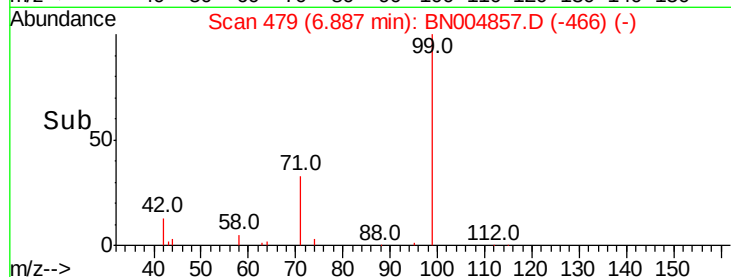
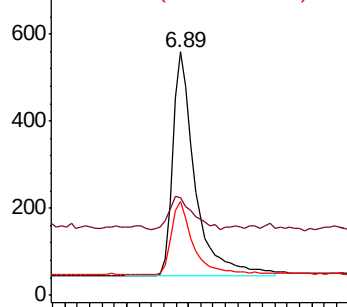
71 32.3 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.194 ng

RT: 7.14 min Scan# 510

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

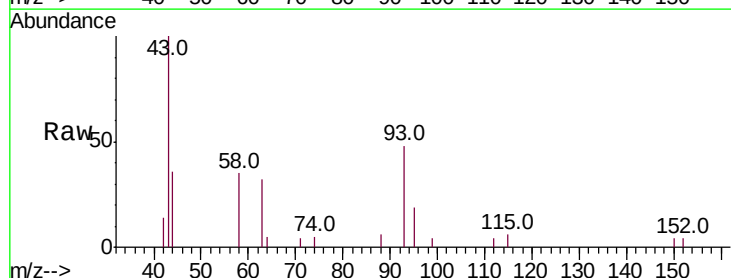
Tgt Ion: 93 Resp: 1008

Ion Ratio Lower Upper

93 100

63 63.2 52.6 78.8

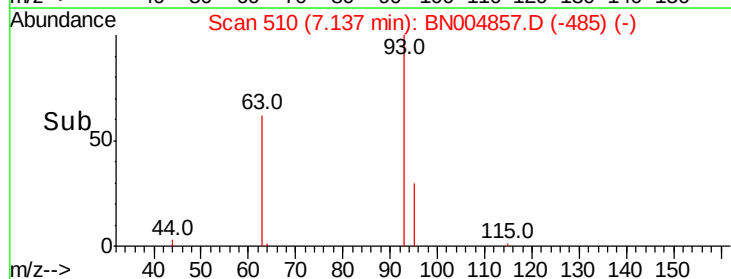
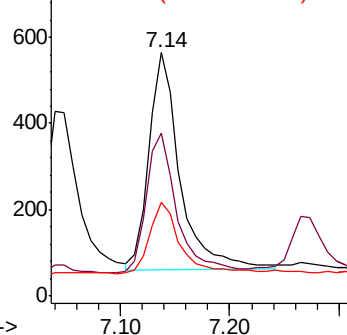
95 33.5 25.9 38.9

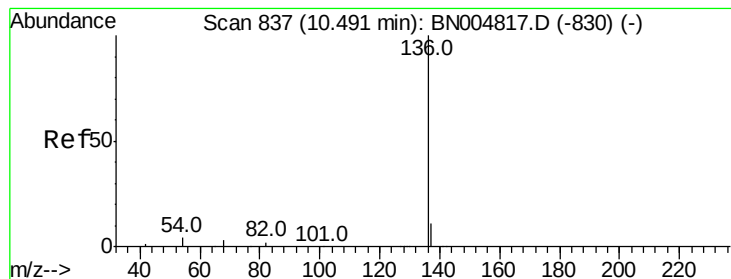


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

Tot Ion:136 Resp: 7335

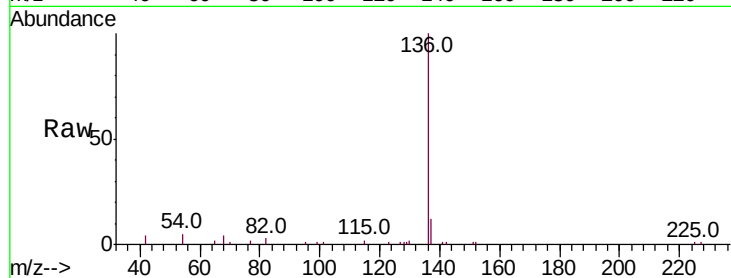
Ion Ratio Lower Upper

136 100

137 12.1 9.6 14.4

54 4.9 4.2 6.2

68 4.3 3.9 5.9

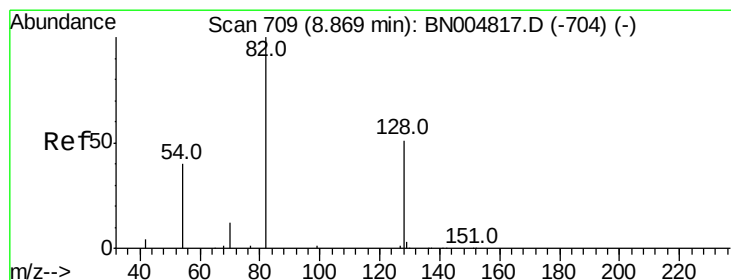
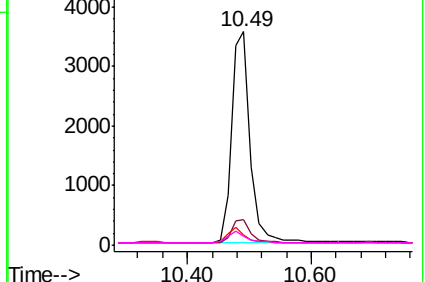
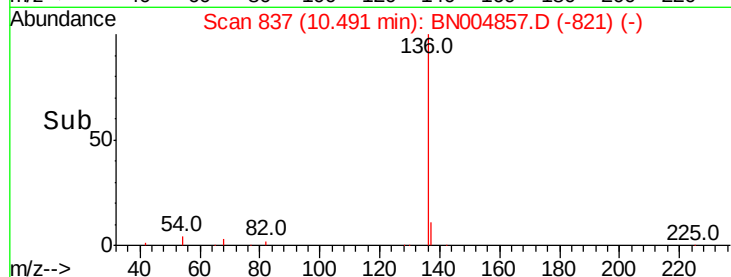


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.187 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

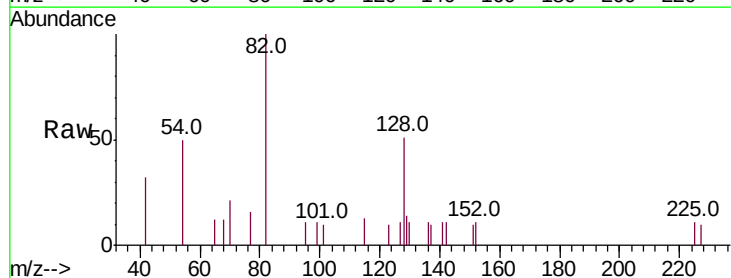
Tgt Ion: 82 Resp: 908

Ion Ratio Lower Upper

82 100

128 51.1 43.0 64.6

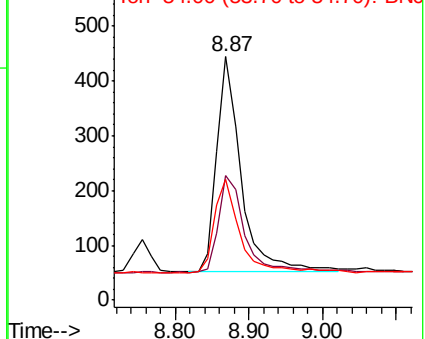
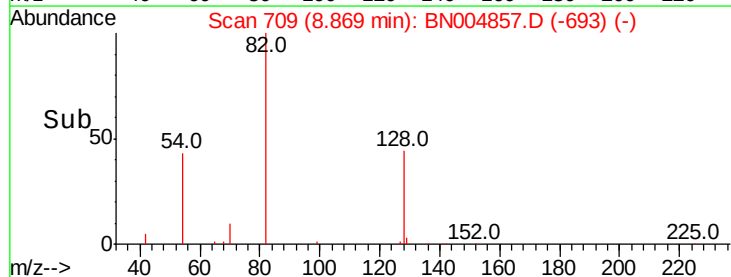
54 49.8 35.3 52.9

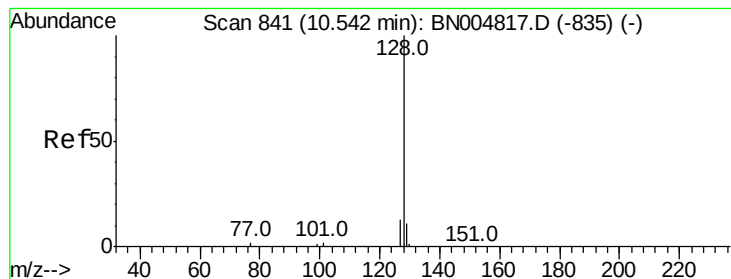


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.207 ng

RT: 10.53 min Scan# 840

Delta R.T. -0.01 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

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ClientSampleId :

PB117788BS

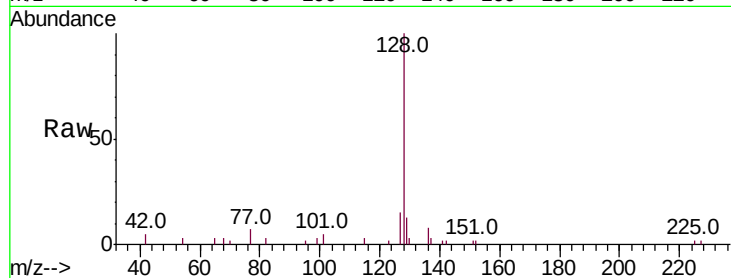
Tot Ion:128 Resp: 4265

Ion Ratio Lower Upper

128 100

129 13.0 9.9 14.9

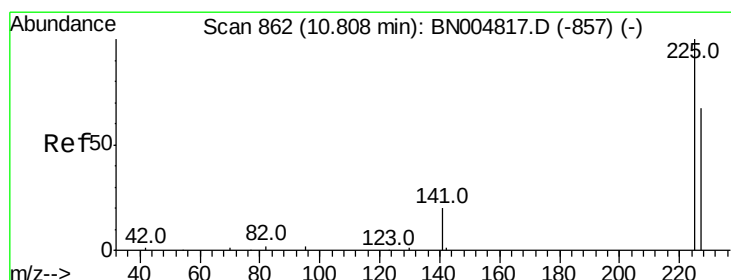
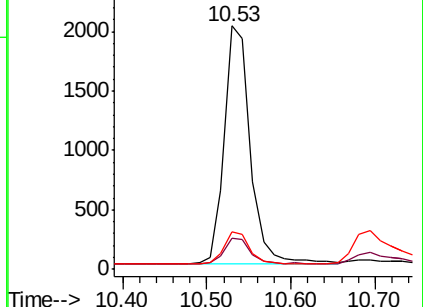
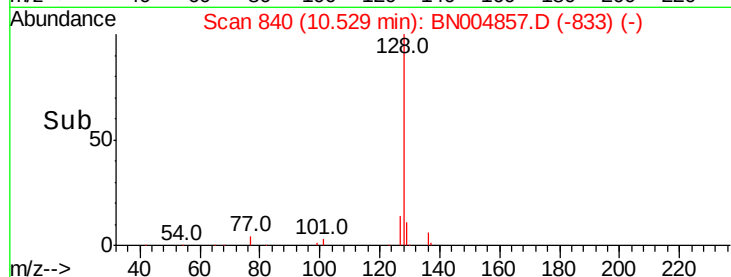
127 15.5 11.3 16.9



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: 0.199 ng

RT: 10.80 min Scan# 861

Delta R.T. -0.01 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

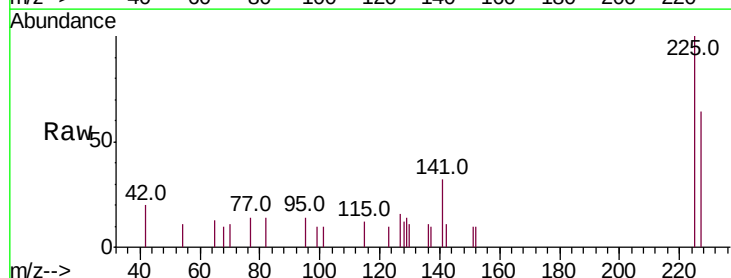
Tgt Ion:225 Resp: 782

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

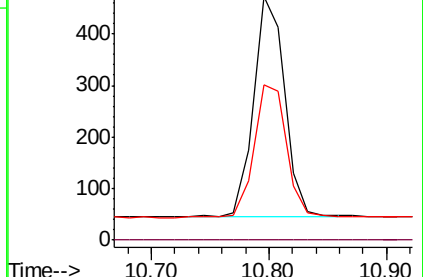
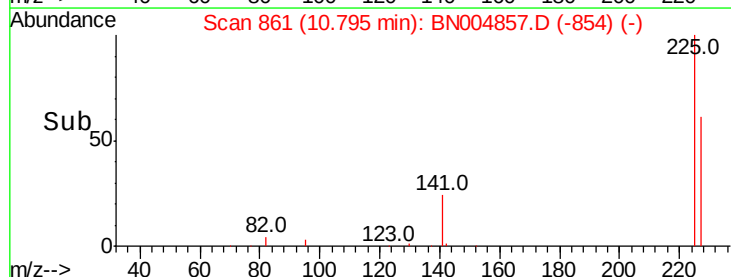
227 62.7 52.2 78.4

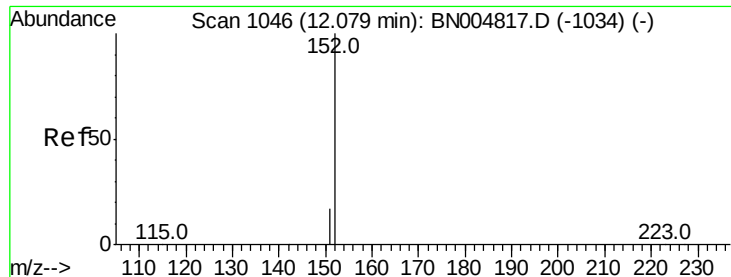


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

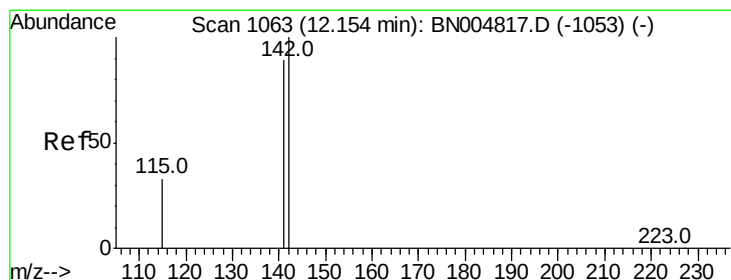
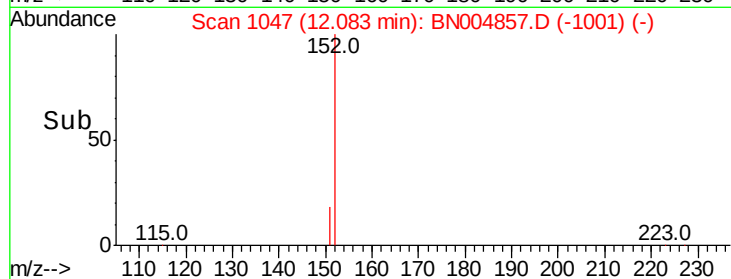
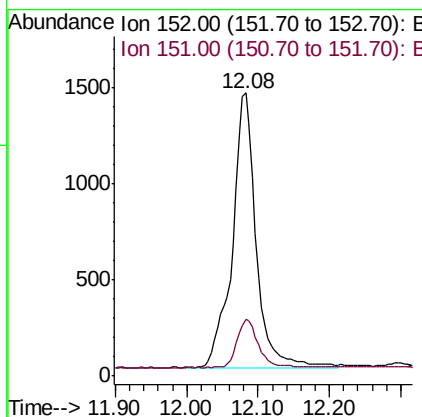
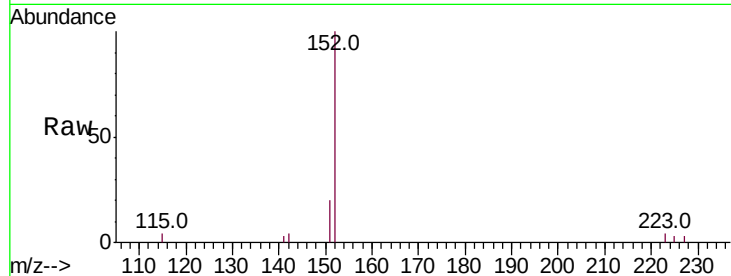




#11
 2-Methylnaphthalene-d10
 Concen: 0.258 ng
 RT: 12.08 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: BN004857.D
 Acq: 21 Mar 2019 19:24

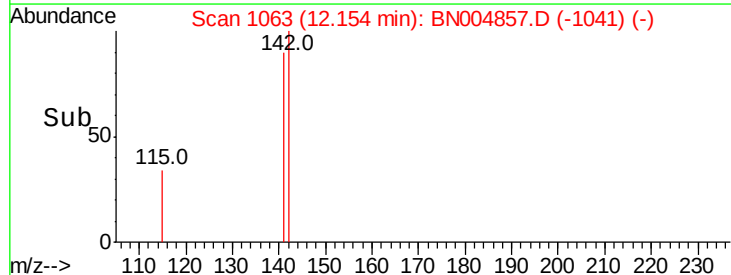
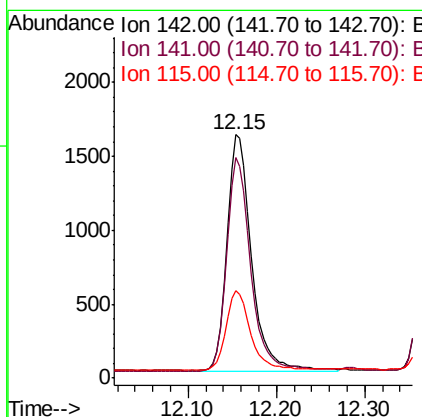
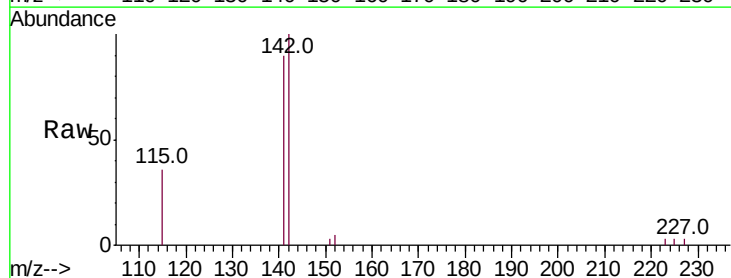
Instrument :
 BNA_N
 ClientSampleId :
 PB117788BS

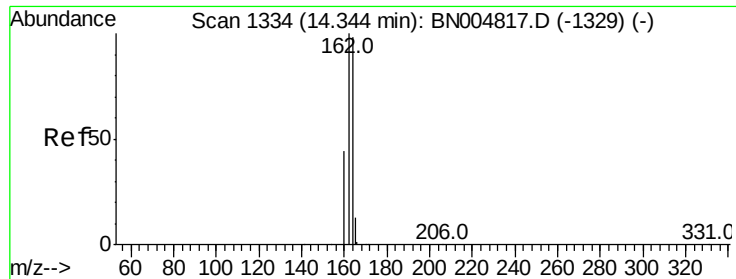
Tot Ion:152 Resp: 3302
 Ion Ratio Lower Upper
 152 100
 151 15.6 15.5 23.3



#12
 2-Methylnaphthalene
 Concen: 0.204 ng
 RT: 12.15 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BN004857.D
 Acq: 21 Mar 2019 19:24

Tgt Ion:142 Resp: 3124
 Ion Ratio Lower Upper
 142 100
 141 90.5 71.4 107.2
 115 36.1 27.5 41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

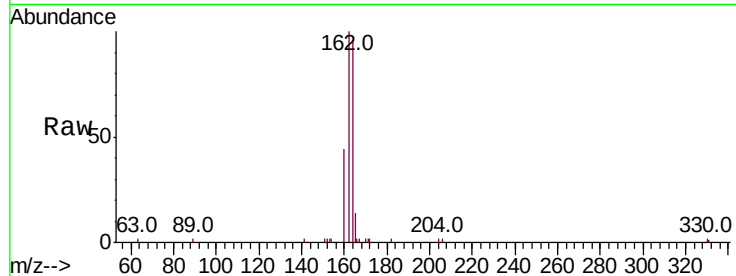
Tot Ion:164 Resp: 4572

Ion Ratio Lower Upper

164 100

162 104.0 81.9 122.9

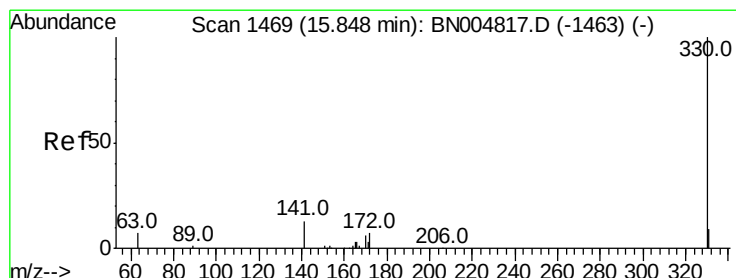
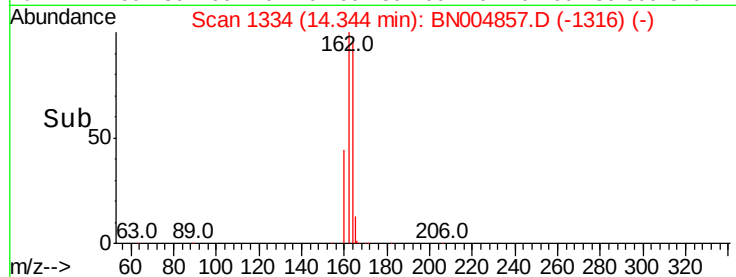
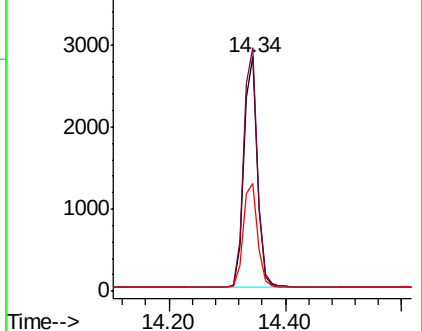
160 46.2 36.6 54.8



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: 0.164 ng

RT: 15.86 min Scan# 1470

Delta R.T. 0.01 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

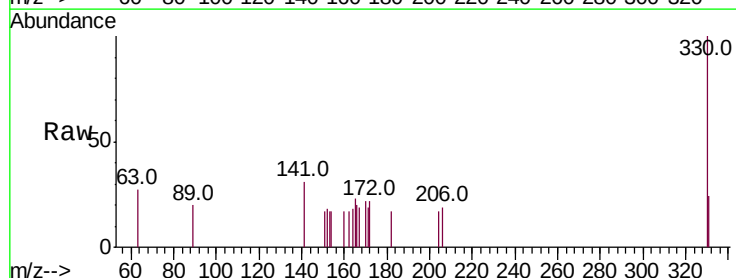
Tgt Ion:330 Resp: 518

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

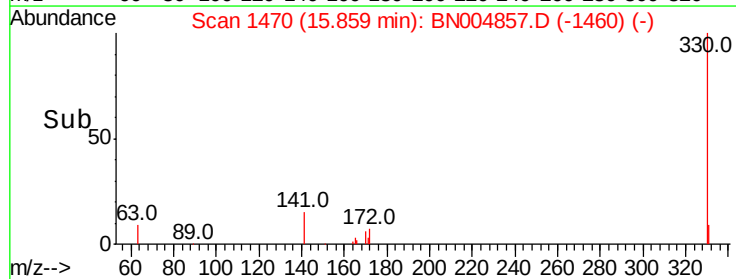
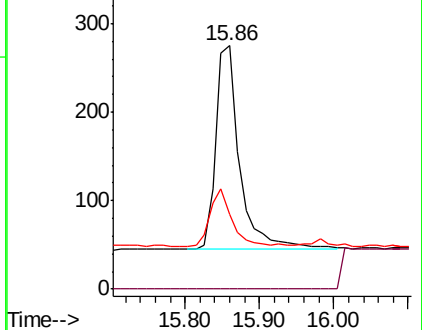
141 26.6 20.9 31.3

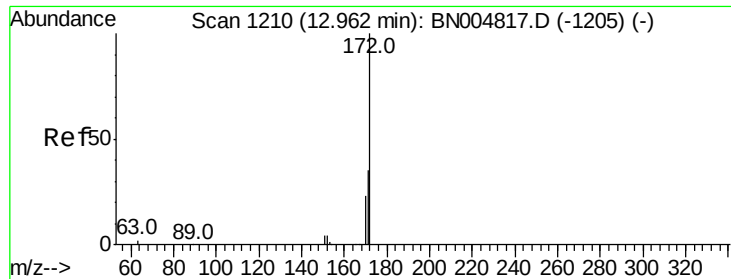


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

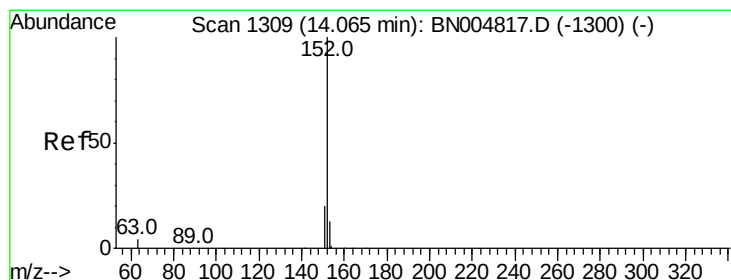
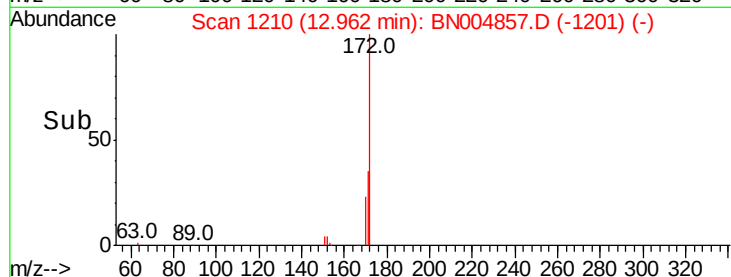
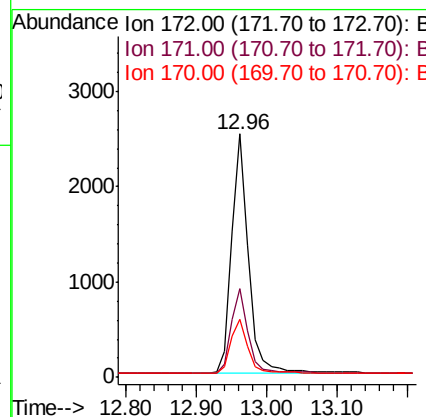
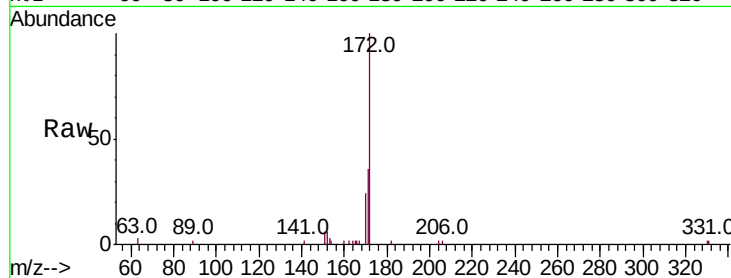




#15
2-Fluorobiphenyl
Concen: 0.223 ng
RT: 12.96 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BN004857.D
Acq: 21 Mar 2019 19:24

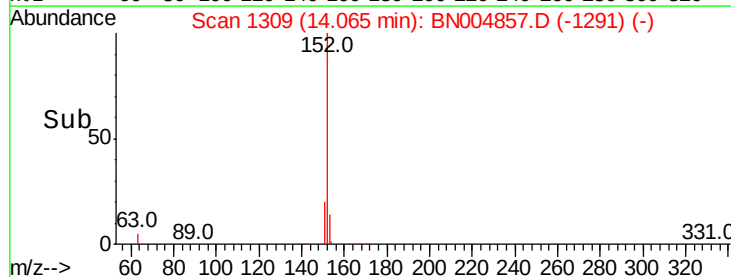
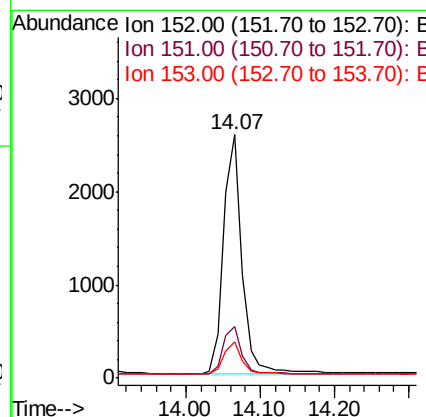
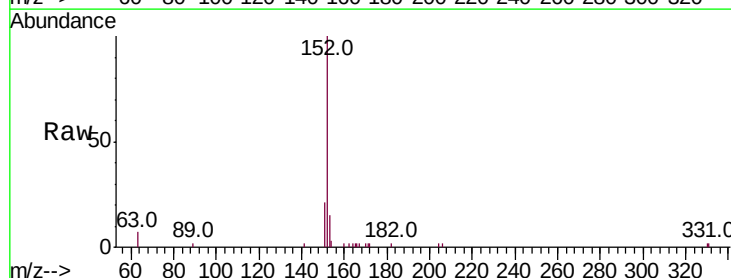
Instrument :
BNA_N
ClientSampleId :
PB117788BS

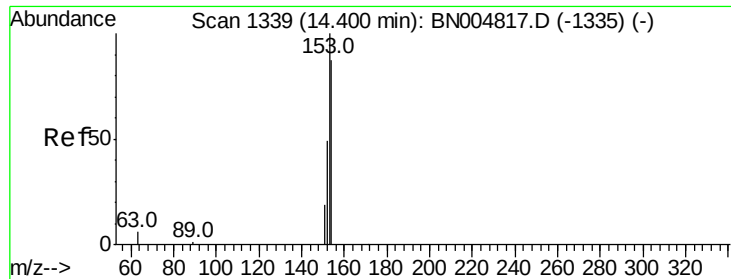
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.7	43.1
170	23.9	18.7	28.1



#16
Acenaphthylene
Concen: 0.188 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BN004857.D
Acq: 21 Mar 2019 19:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.1	24.1
153	13.5	10.5	15.7





#17

Acenaphthene

Concen: 0.201 ng

RT: 14.40 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

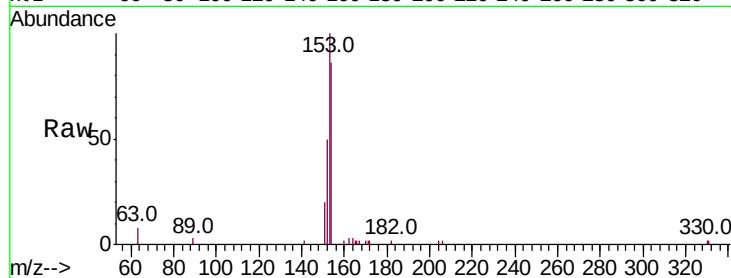
Tot Ion:154 Resp: 3102

Ion Ratio Lower Upper

154 100

153 114.5 91.4 137.2

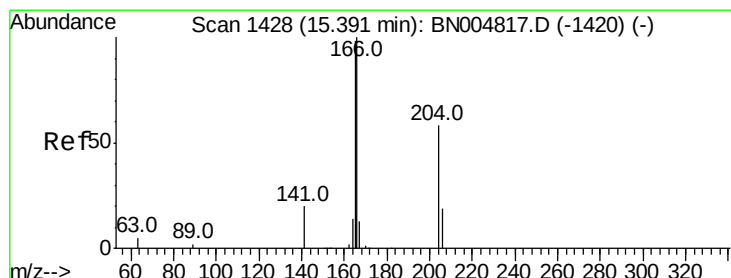
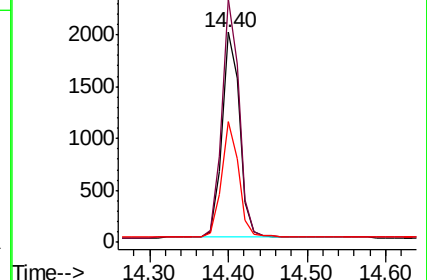
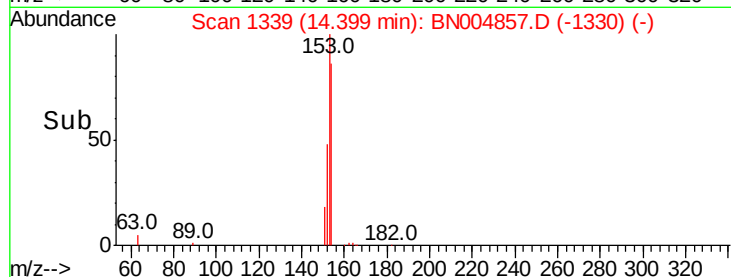
152 54.9 44.2 66.2



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: 0.202 ng

RT: 15.39 min Scan# 1428

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

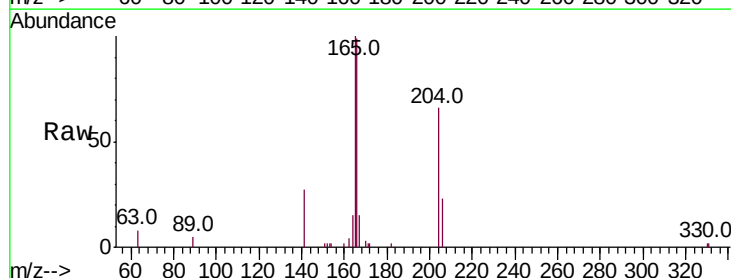
Tgt Ion:166 Resp: 4349

Ion Ratio Lower Upper

166 100

165 100.0 78.2 117.4

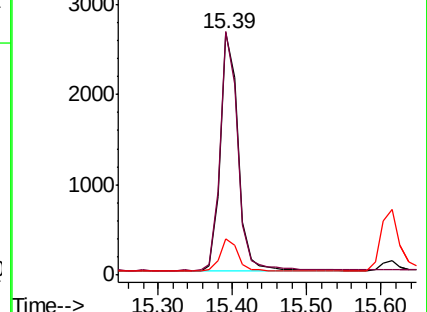
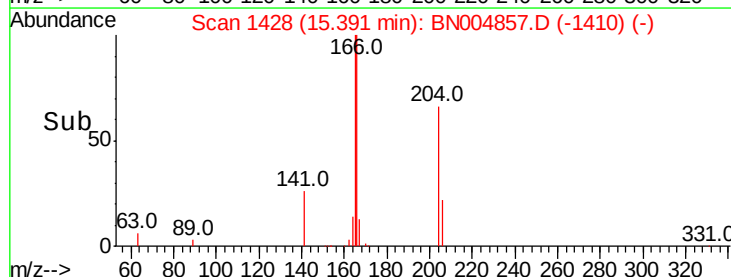
167 13.6 11.0 16.4

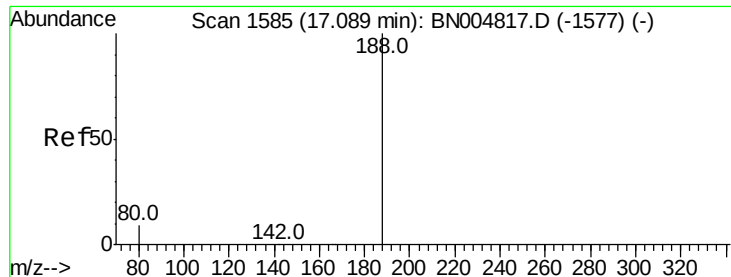


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.09 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

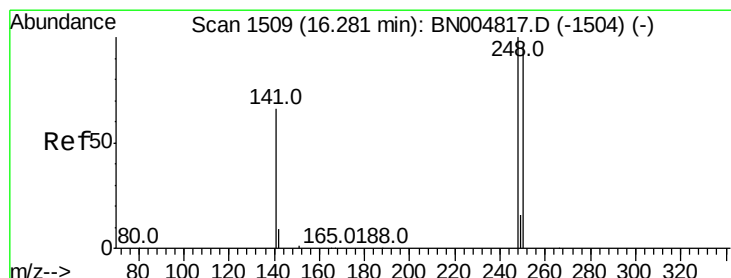
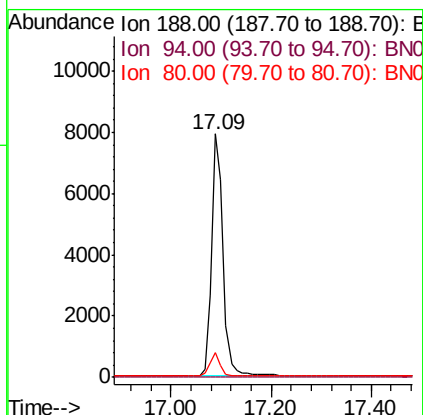
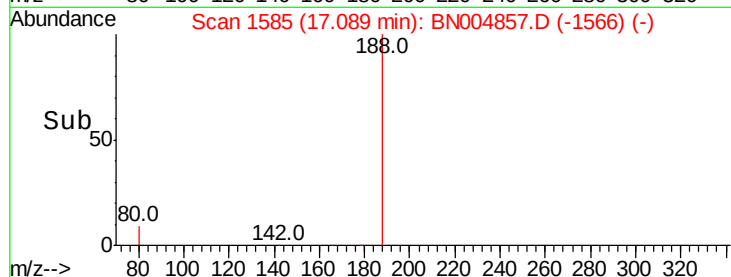
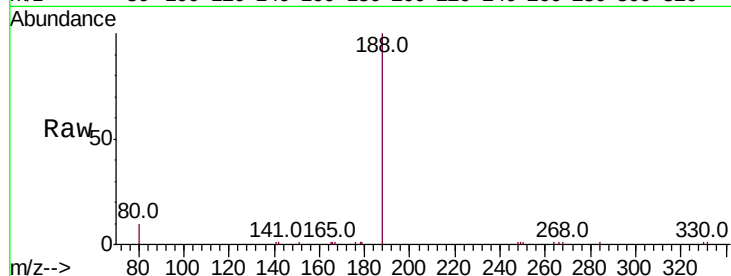
Tot Ion:188 Resp: 12802

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.9 7.4 11.2



#20

4-Bromophenyl-phenylether

Concen: 0.184 ng

RT: 16.28 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

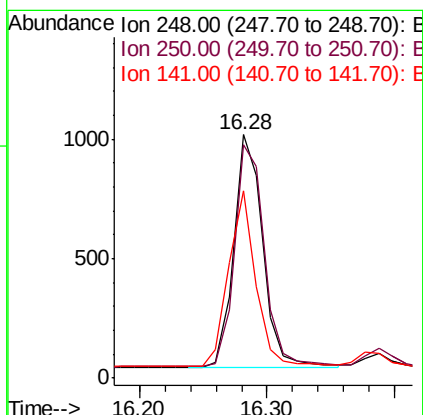
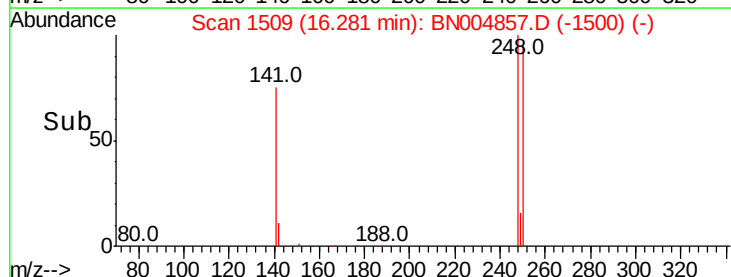
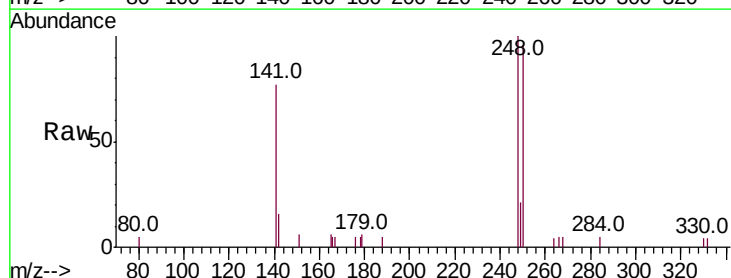
Tgt Ion:248 Resp: 1536

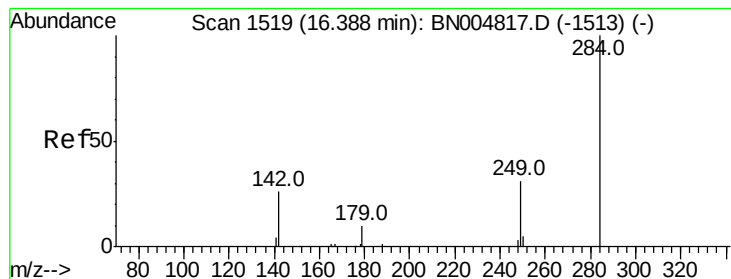
Ion Ratio Lower Upper

248 100

250 95.8 76.2 114.4

141 76.9 53.9 80.9





#21

Hexachlorobenzene

Concen: 0.190 ng

RT: 16.39 min Scan# 1519

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

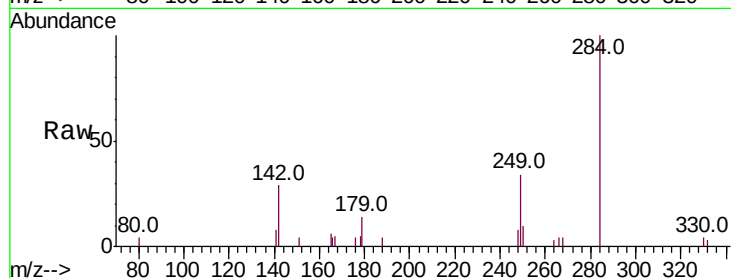
Tot Ion:284 Resp: 1823

Ion Ratio Lower Upper

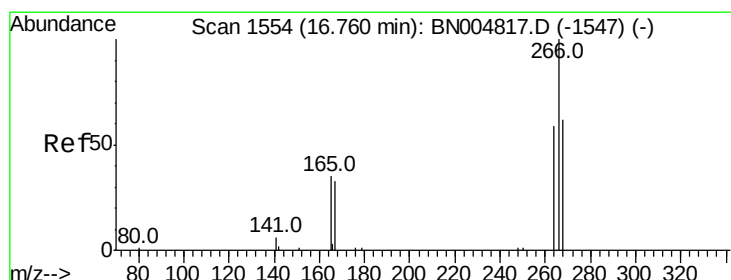
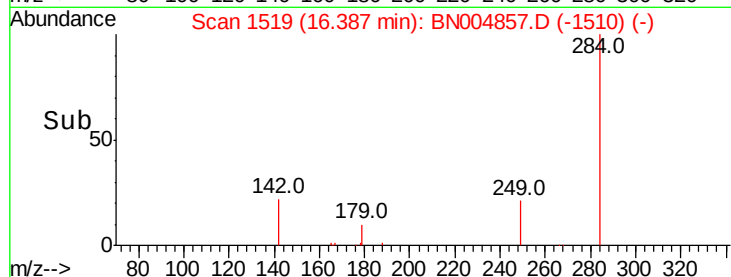
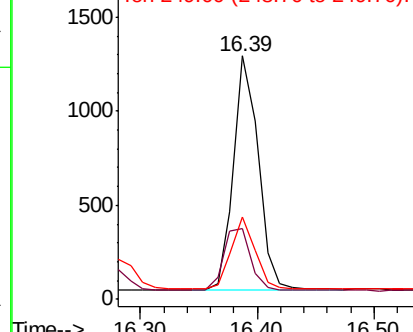
284 100

142 29.8 22.6 34.0

249 30.0 22.5 33.7



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: 0.069 ng

RT: 16.78 min Scan# 1556

Delta R.T. 0.02 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

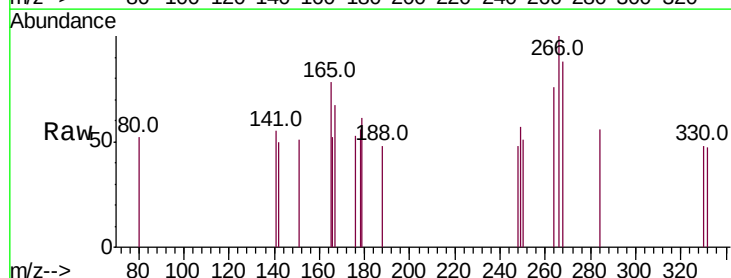
Tgt Ion:266 Resp: 130

Ion Ratio Lower Upper

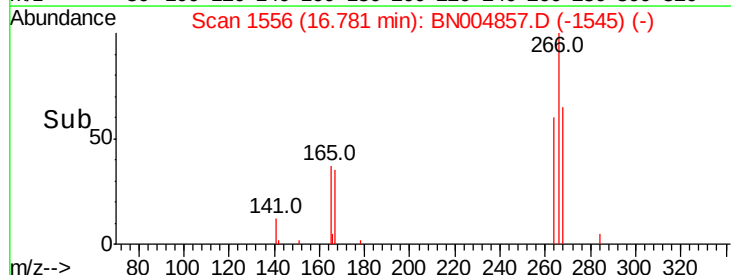
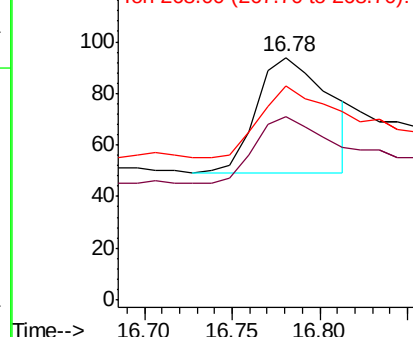
266 100

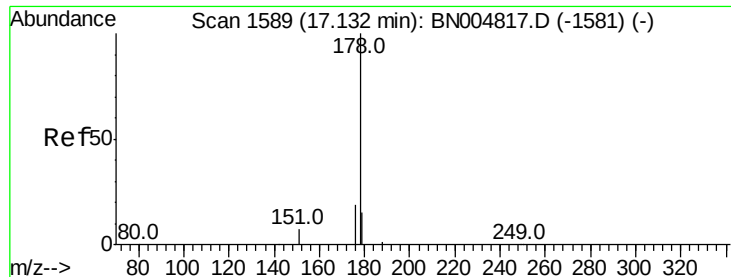
264 75.5 53.1 79.7

268 88.3 57.7 86.5#



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: 0.193 ng

RT: 17.13 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

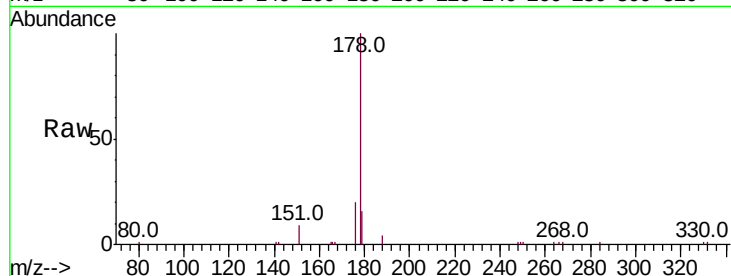
Tot Ion:178 Resp: 7987

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

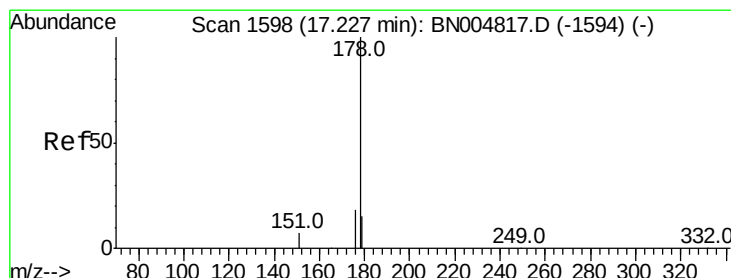
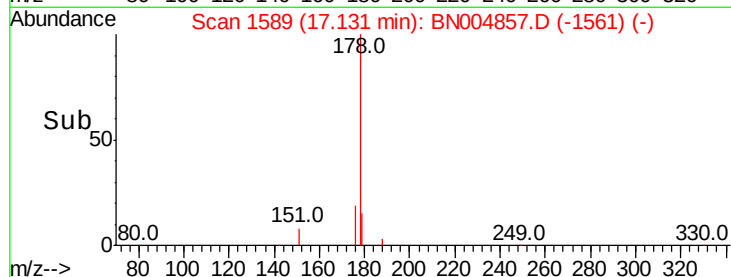
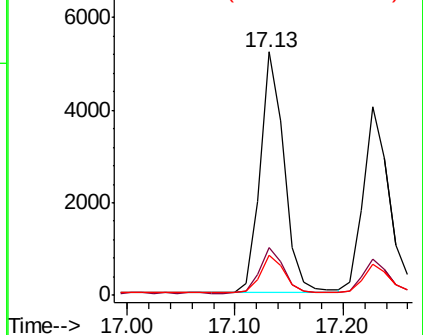
179 15.6 12.1 18.1



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: 0.187 ng

RT: 17.23 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

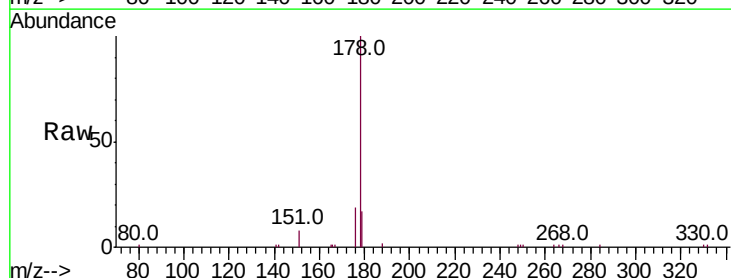
Tgt Ion:178 Resp: 6889

Ion Ratio Lower Upper

178 100

176 18.3 14.5 21.7

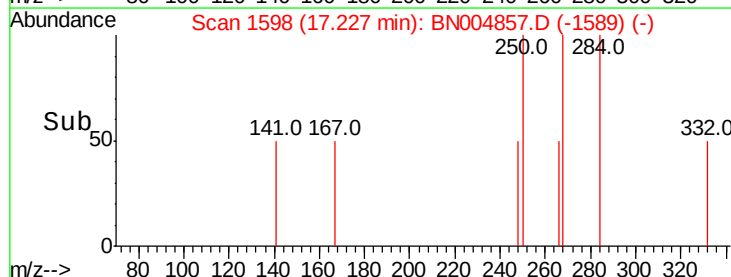
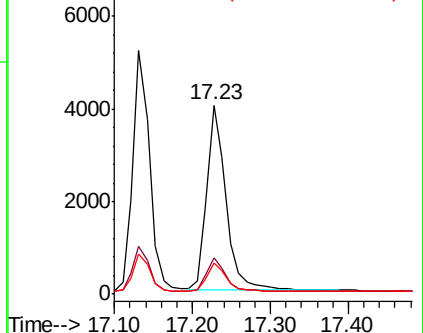
179 15.4 12.2 18.4

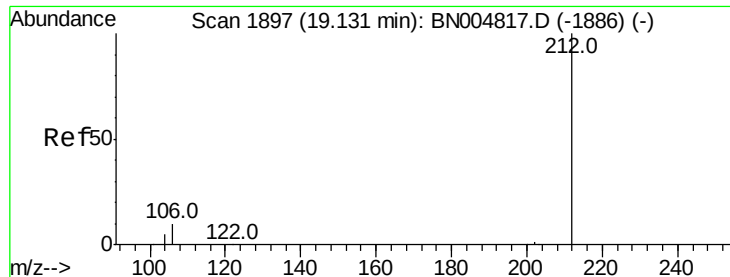


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.205 ng

RT: 19.13 min Scan# 1897

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

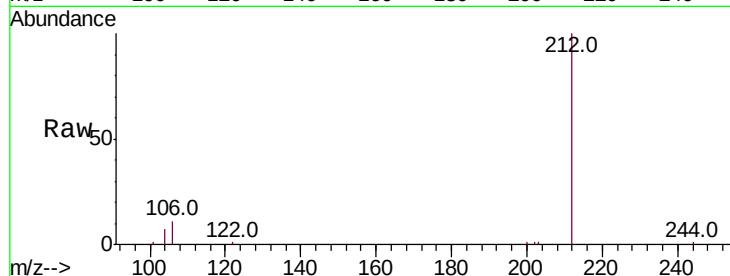
Tot Ion:212 Resp: 8772

Ion Ratio Lower Upper

212 100

106 10.6 8.6 13.0

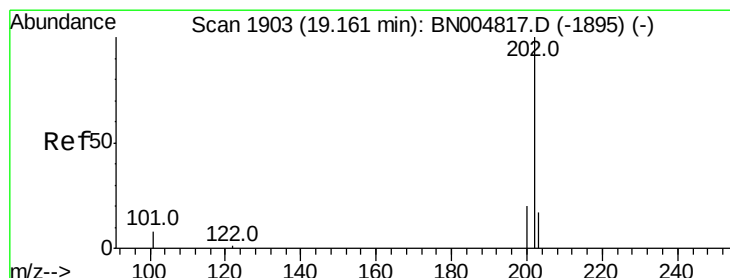
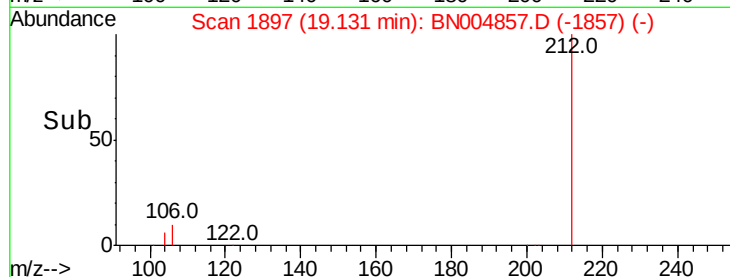
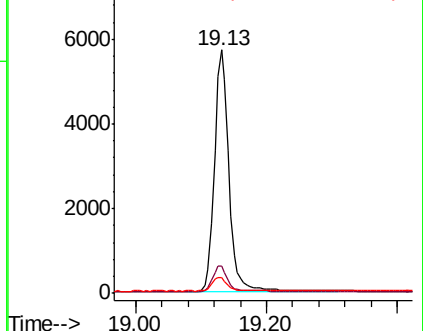
104 6.1 4.7 7.1



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: 0.188 ng

RT: 19.16 min Scan# 1903

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

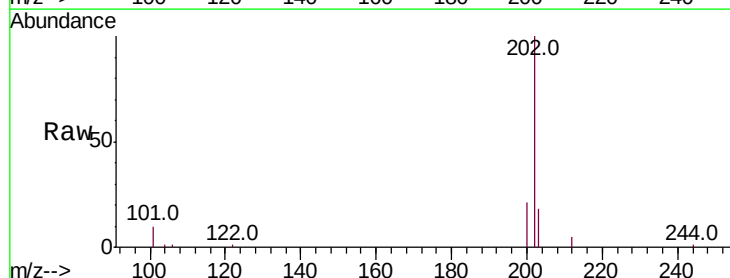
Tgt Ion:202 Resp: 9990

Ion Ratio Lower Upper

202 100

101 9.3 7.5 11.3

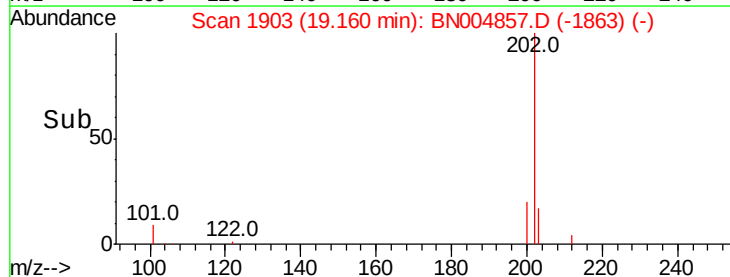
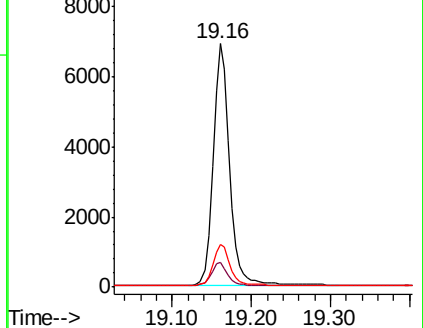
203 17.4 13.8 20.6

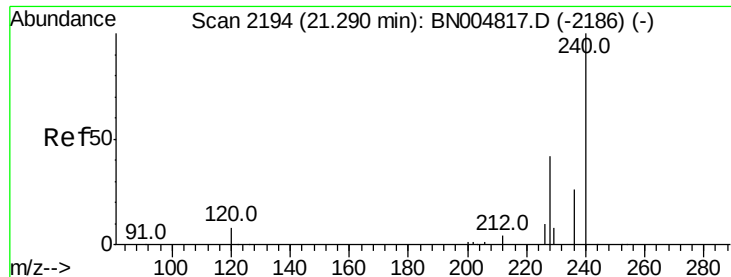


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.29 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

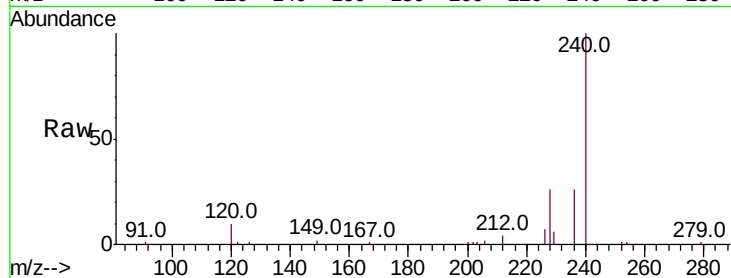
Tot Ion:240 Resp: 16721

Ion Ratio Lower Upper

240 100

120 9.5 7.2 10.8

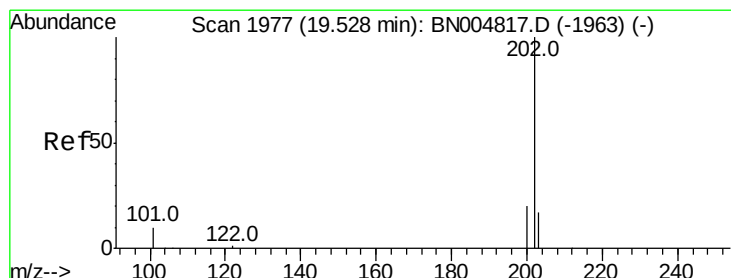
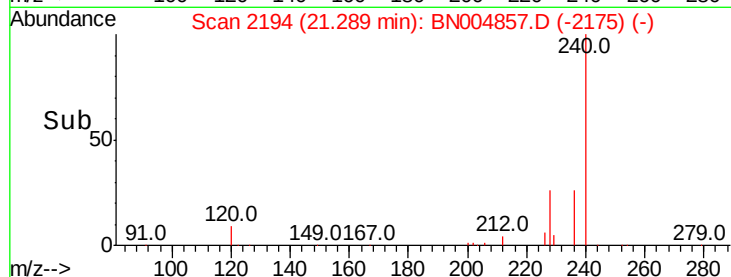
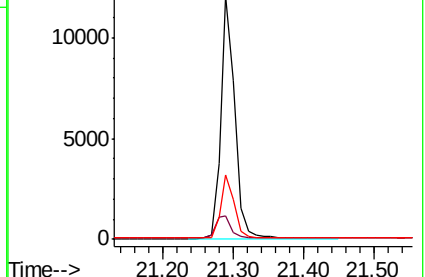
236 26.4 20.9 31.3



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: 0.202 ng

RT: 19.53 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

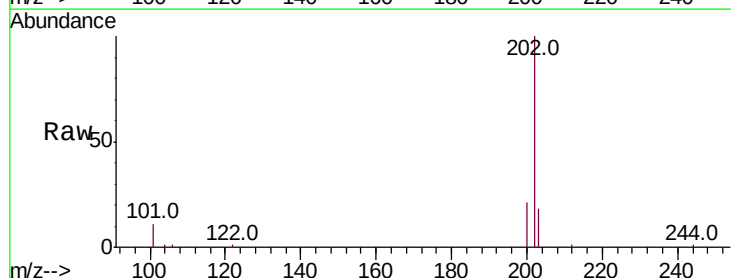
Tgt Ion:202 Resp: 10310

Ion Ratio Lower Upper

202 100

200 20.6 16.3 24.5

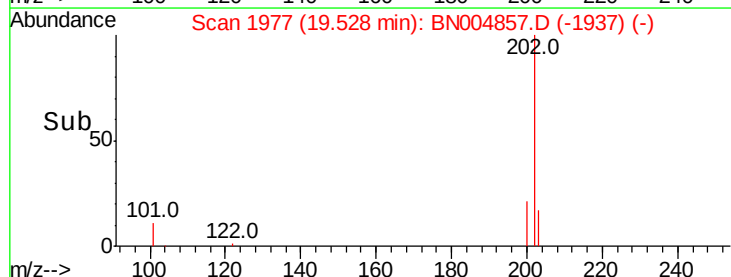
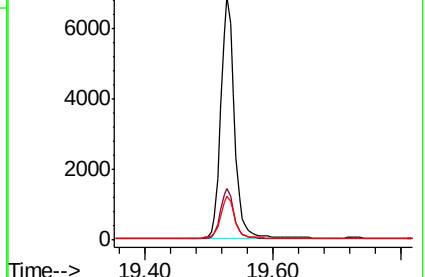
203 17.9 14.0 21.0

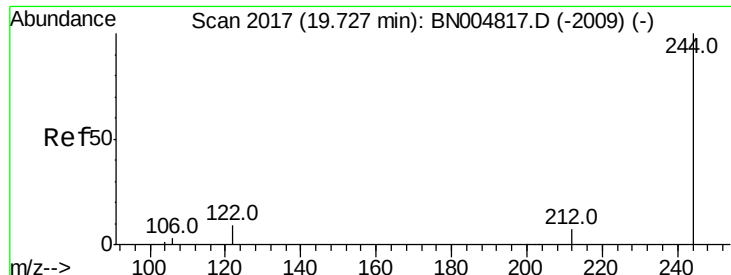


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.217 ng

RT: 19.73 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

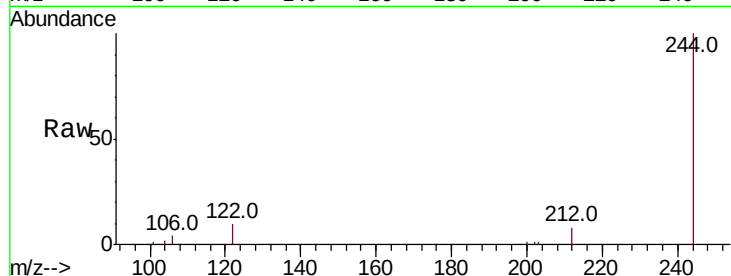
Tot Ion:244 Resp: 7420

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

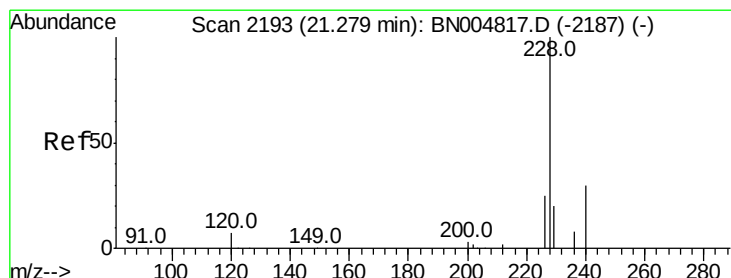
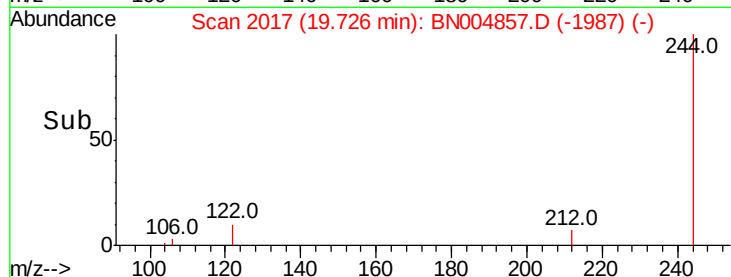
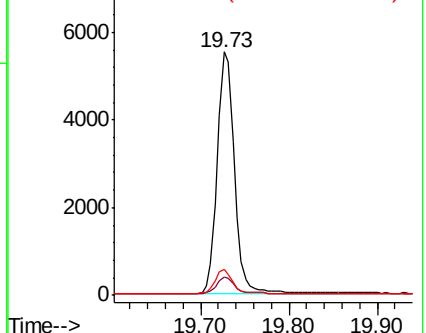
122 10.5 7.9 11.9



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: 0.190 ng

RT: 21.28 min Scan# 2193

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

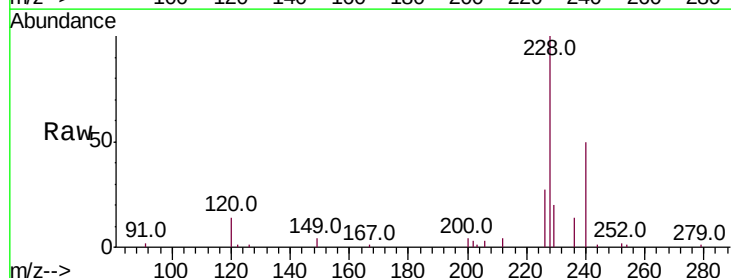
Tgt Ion:228 Resp: 10431

Ion Ratio Lower Upper

228 100

226 27.2 20.6 31.0

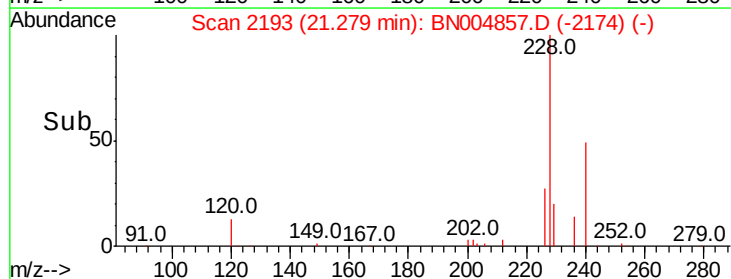
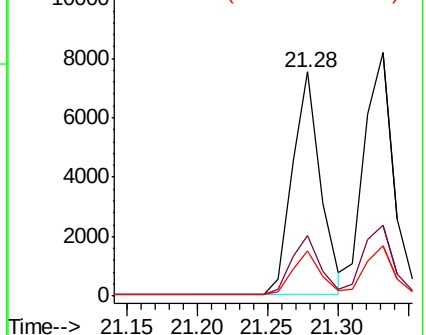
229 20.1 16.2 24.4

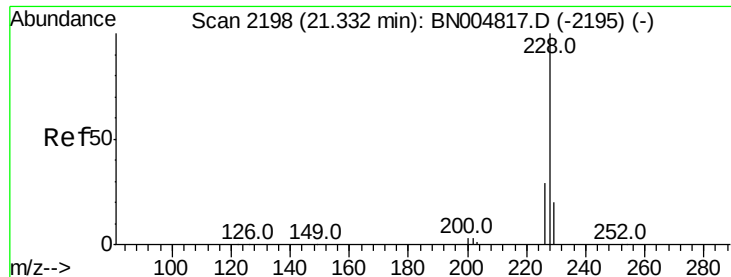


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.205 ng

RT: 21.33 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

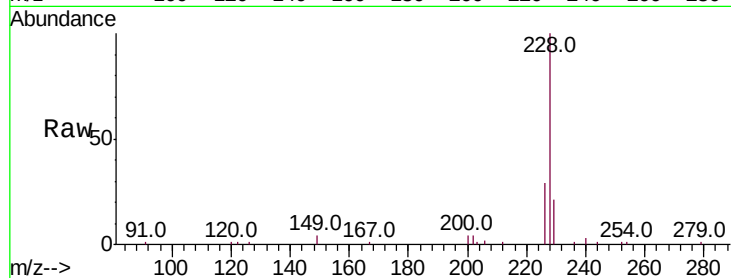
Tot Ion:228 Resp: 11822

Ion Ratio Lower Upper

228 100

226 28.9 23.0 34.6

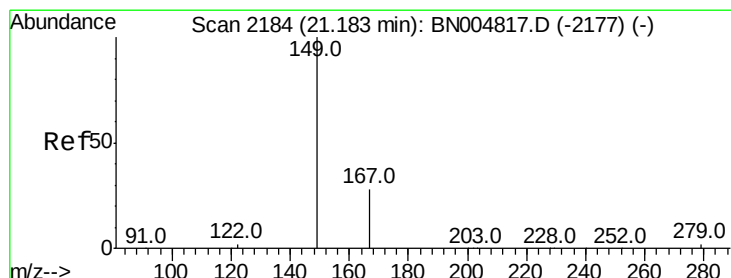
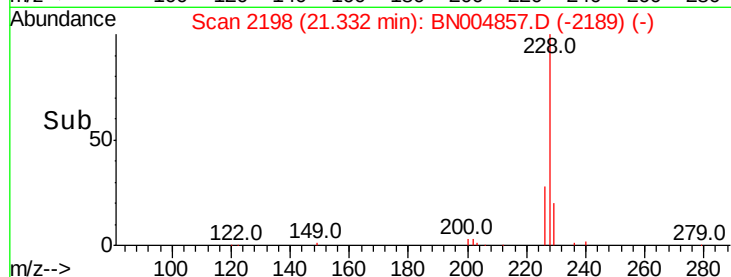
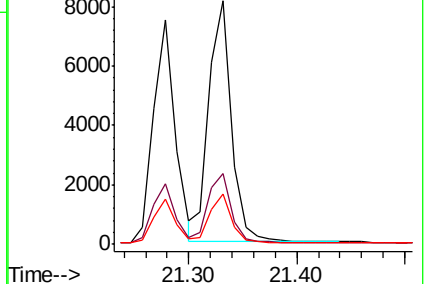
229 20.6 16.2 24.2



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: 0.147 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

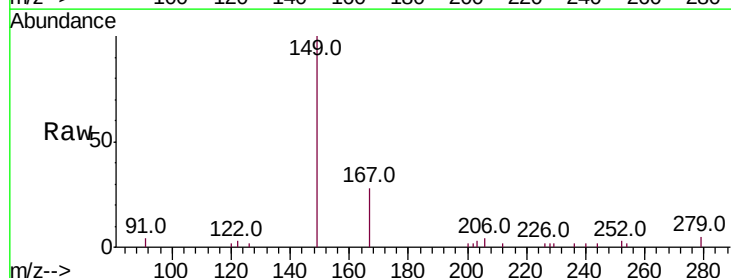
Tgt Ion:149 Resp: 3224

Ion Ratio Lower Upper

149 100

167 28.1 23.0 34.4

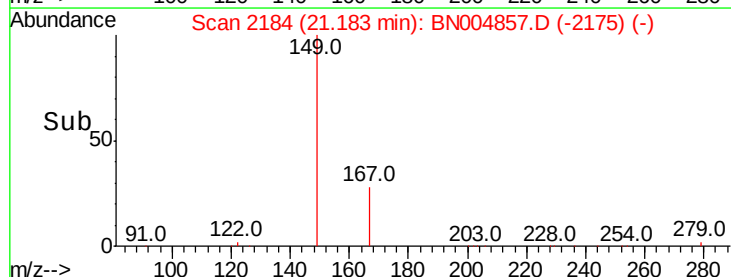
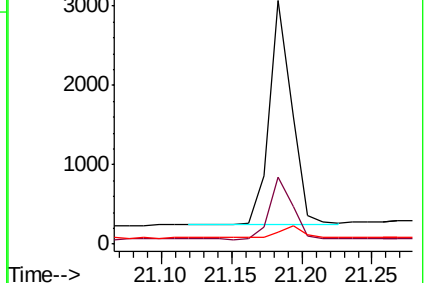
279 5.1 4.6 6.8

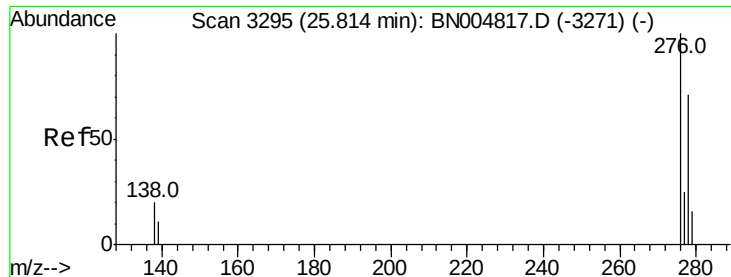


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.184 ng

RT: 25.83 min Scan# 3299

Delta R.T. 0.01 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

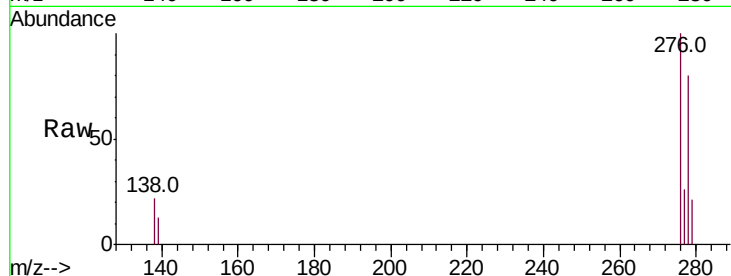
Tot Ion:276 Resp: 15393

Ion Ratio Lower Upper

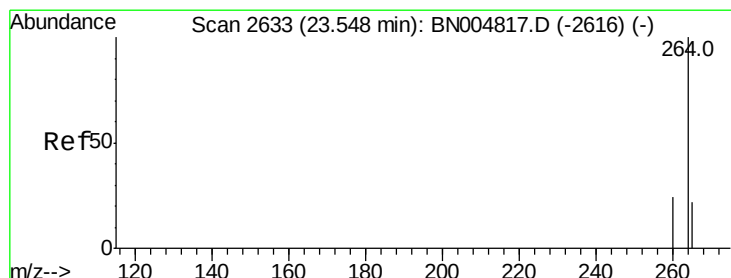
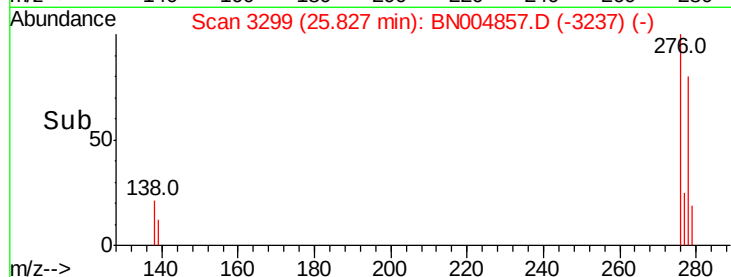
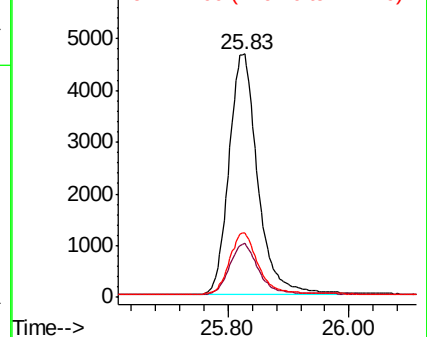
276 100

138 21.1 16.6 24.8

277 25.4 20.3 30.5



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: 23.55 min Scan# 2633

Delta R.T. -0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

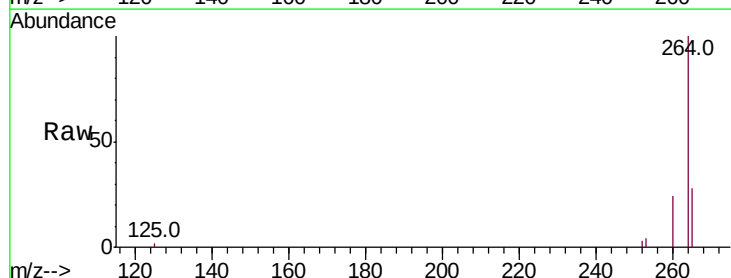
Tgt Ion:264 Resp: 18428

Ion Ratio Lower Upper

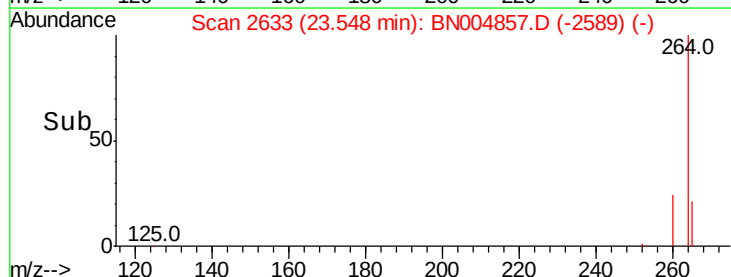
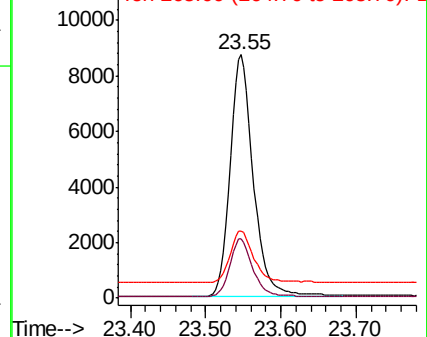
264 100

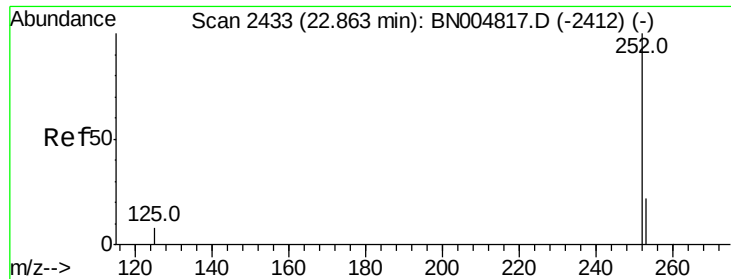
260 24.2 19.5 29.3

265 27.7 23.1 34.7



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: 0.195 ng

RT: 22.87 min Scan# 2434

Delta R.T. 0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

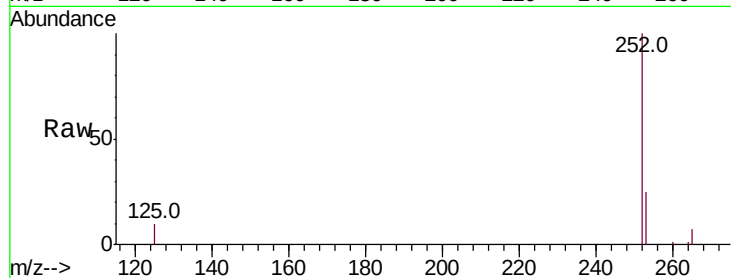
Tot Ion:252 Resp: 12971

Ion Ratio Lower Upper

252 100

253 25.4 19.0 28.4

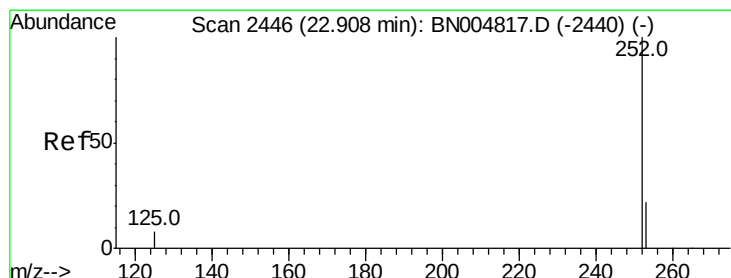
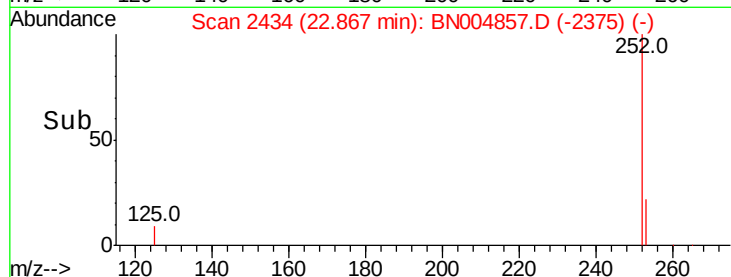
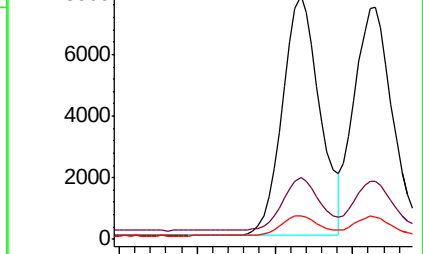
125 9.8 7.4 11.2



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: 0.201 ng

RT: 22.91 min Scan# 2448

Delta R.T. 0.01 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

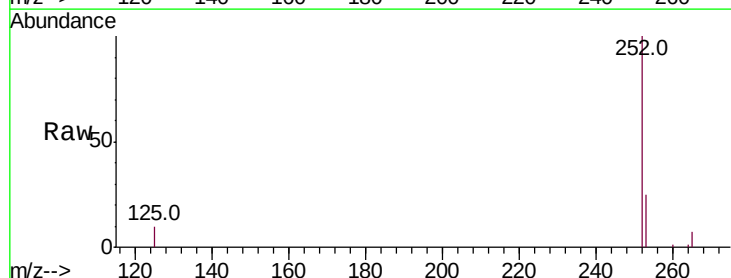
Tgt Ion:252 Resp: 13155

Ion Ratio Lower Upper

252 100

253 25.2 19.3 28.9

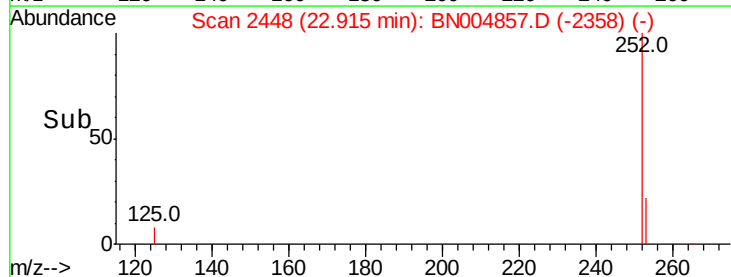
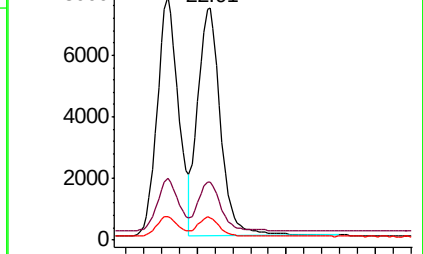
125 9.7 7.4 11.0

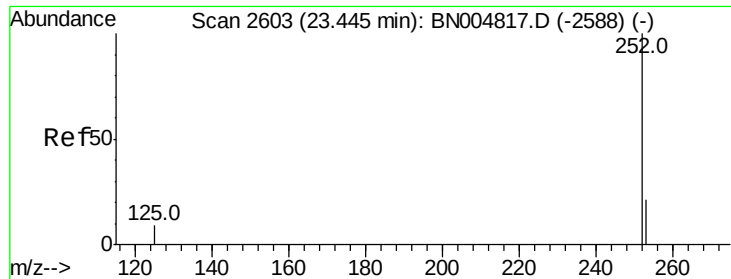


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.199 ng

RT: 23.45 min Scan# 2605

Delta R.T. 0.01 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

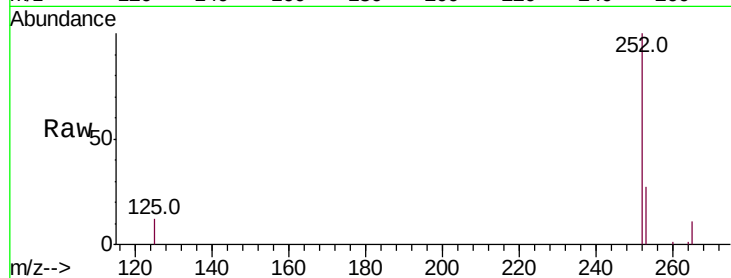
Tot Ion:252 Resp: 12147

Ion Ratio Lower Upper

252 100

253 27.1 19.7 29.5

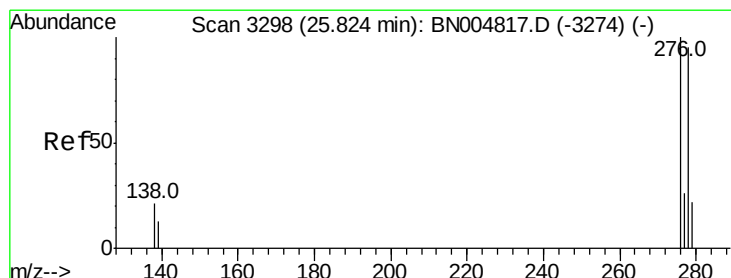
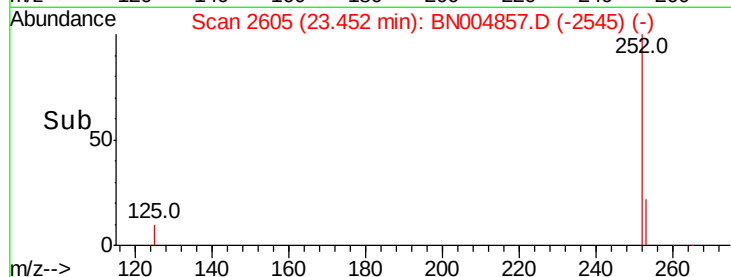
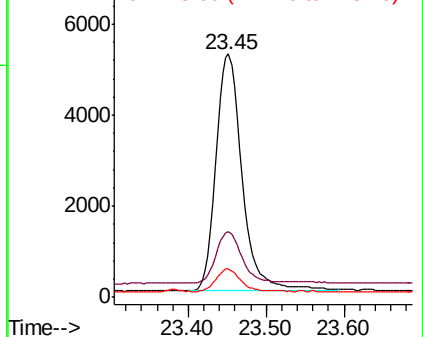
125 11.5 8.3 12.5



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: 0.181 ng

RT: 25.83 min Scan# 3301

Delta R.T. 0.01 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

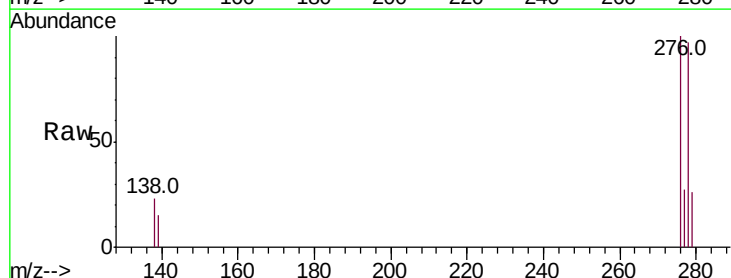
Tgt Ion:278 Resp: 12838

Ion Ratio Lower Upper

278 100

139 15.6 11.7 17.5

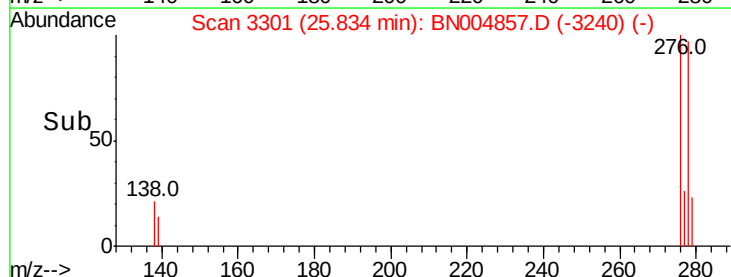
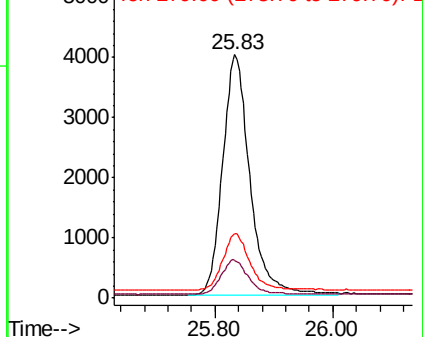
279 26.3 19.9 29.9

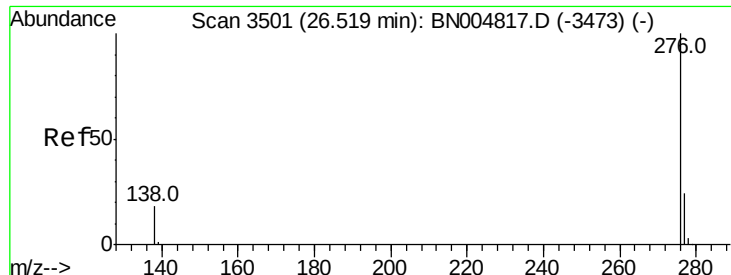


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.184 ng

RT: 26.52 min Scan# 3502

Delta R.T. 0.00 min

Lab File: BN004857.D

Acq: 21 Mar 2019 19:24

Instrument :

BNA_N

ClientSampleId :

PB117788BS

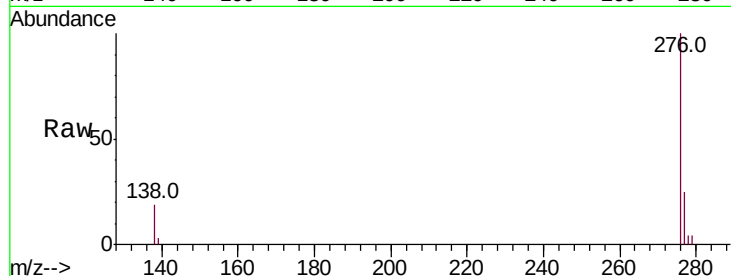
Tot Ion:276 Resp: 13274

Ion Ratio Lower Upper

276 100

277 25.1 19.7 29.5

138 19.5 14.6 22.0



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

