

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090819\
 Data File : BN007569.D
 Acq On : 09 Sep 2019 02:25
 Operator : HP/JU
 Sample : K4762-01MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 09 04:49:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 12:18:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	7304	0.40	ng	-0.02
7) Naphthalene-d8	10.15	136	43197	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	31882	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	30423	0.40	ng	0.00
27) Chrysene-d12	21.00	240	26925	0.40	ng	-0.01
34) Perylene-d12	23.11	264	31489	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.03	112	9756	0.38	ng	0.00
5) Phenol-d6	6.59	99	13379	0.42	ng	0.00
8) Nitrobenzene-d5	8.52	82	16406	0.44	ng	-0.01
11) 2-Methylnaphthalene-d10	11.76	152	26919	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	3289	0.20	ng	0.00
15) 2-Fluorobiphenyl	12.65	172	20708	0.16	ng	0.00
25) Fluoranthene-d10	18.84	212	30289	0.31	ng	-0.01
29) Terphenyl-d14	19.46	244	27665	0.39	ng	-0.01

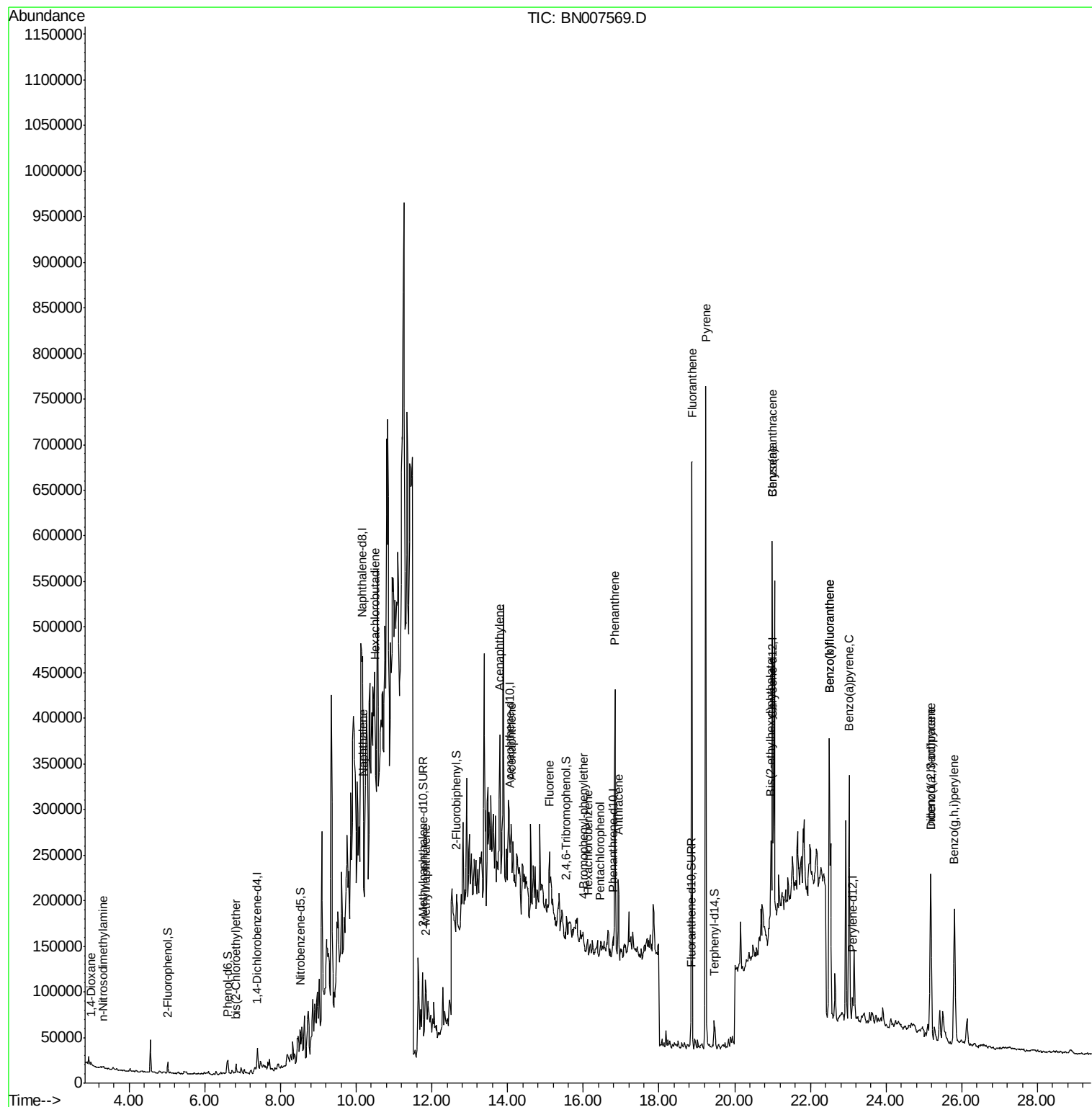
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.00	88	2723	0.224	ng	# 76
3) n-Nitrosodimethylamine	3.31	42	1318	0.234	ng	# 41
6) bis(2-Chloroethyl)ether	6.83	93	10596	0.402	ng	# 88
9) Naphthalene	10.19	128	40591	0.329	ng	# 93
10) Hexachlorobutadiene	10.49	225	4793	0.190	ng	# 98
12) 2-Methylnaphthalene	11.83	142	27450	0.326	ng	# 68
16) Acenaphthylene	13.79	152	155119	0.822	ng	# 52
17) Acenaphthene	14.10	154	38845	0.352	ng	# 73
18) Fluorene	15.10	166	43039	0.308	ng	# 97
20) 4-Bromophenyl-phenylether	16.01	248	15068	1.256	ng	# 1
21) Hexachlorobenzene	16.11	284	7264	0.356	ng	# 53
22) Pentachlorophenol	16.45	266	6216	0.981	ng	# 47
23) Phenanthrene	16.84	178	267147	2.919	ng	# 87
24) Anthracene	16.92	178	89208	0.969	ng	# 92
26) Fluoranthene	18.87	202	597002	5.081	ng	# 98
28) Pyrene	19.23	202	652923	6.028	ng	# 95
30) Benzo(a)anthracene	20.99	228	368959	3.489	ng	# 93
31) Chrysene	20.99	228	319441	3.130	ng	# 96
32) Bis(2-ethylhexyl)phthalate	20.95	149	107568	1.553	ng	# 94
33) Indeno(1,2,3-cd)pyrene	25.18	276	261291	2.125	ng	# 99
35) Benzo(b)fluoranthene	22.50	252	485287	4.253	ng	# 89
36) Benzo(k)fluoranthene	22.50	252	485287	4.304	ng	# 92
37) Benzo(a)pyrene	23.02	252	364555	3.358	ng	# 91
38) Dibenzo(a,h)anthracene	25.19	278	88287	0.815	ng	# 52
39) Benzo(g,h,i)perylene	25.80	276	299376	2.774	ng	# 92

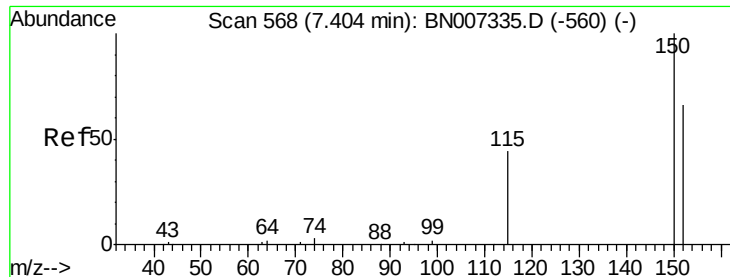
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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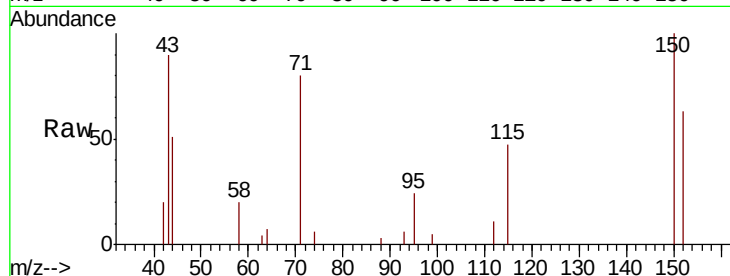


#1

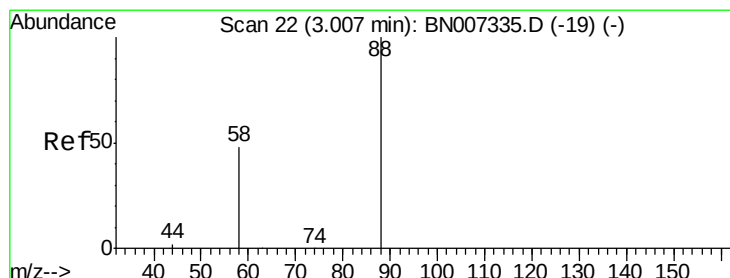
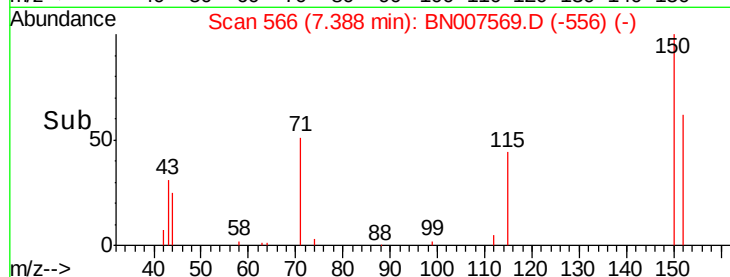
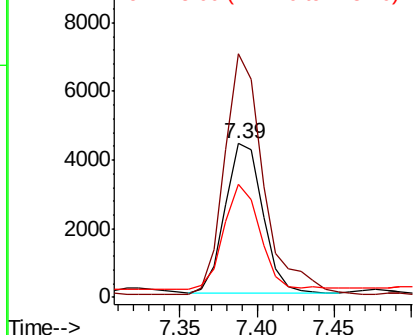
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 566
Delta R.T. -0.02 min
Lab File: BN007569.D
Acq: 09 Sep 2019 02:25

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 7304
Ion Ratio Lower Upper
152 100
150 158.4 109.1 163.7
115 73.7 59.6 89.4



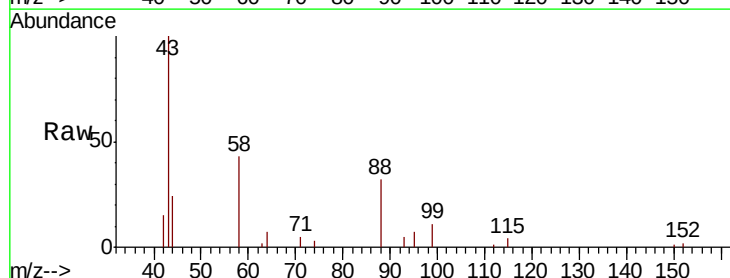
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



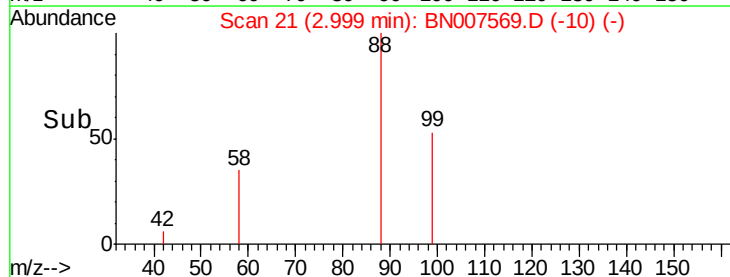
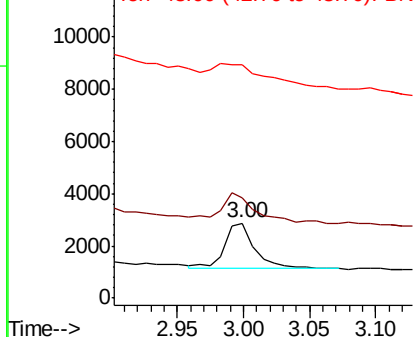
#2

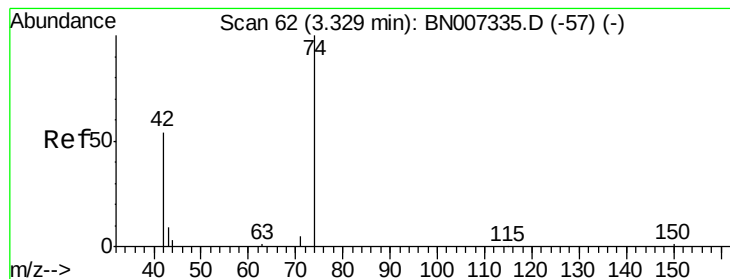
1,4-Dioxane
Concen: 0.224 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007569.D
Acq: 09 Sep 2019 02:25

Tgt Ion: 88 Resp: 2723
Ion Ratio Lower Upper
88 100
58 81.7 50.5 75.7#
43 105.0 0.0 0.0#



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: 0.234 ng

RT: 3.31 min Scan# 60

Delta R.T. -0.02 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

ClientSampleId :

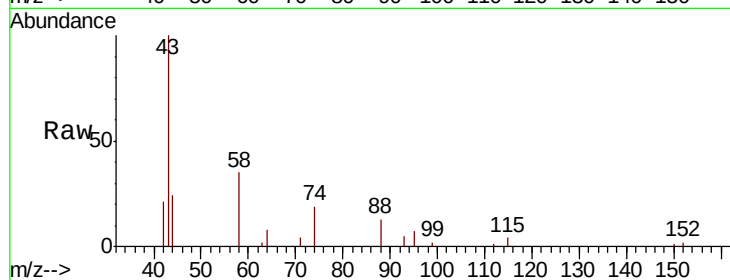
Tot Ion: 42 Resp: 1318

Ion Ratio Lower Upper

42 100

74 265.9 144.7 217.1#

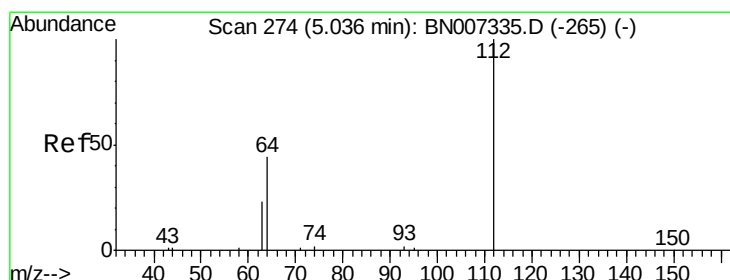
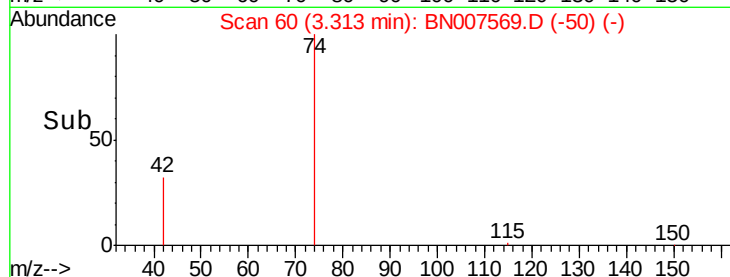
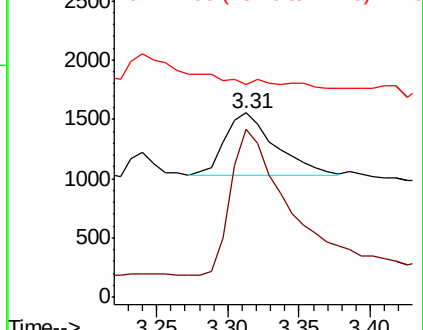
44 0.0 3.2 4.8#



Abundance Ion 42.00 (41.70 to 42.70): BN007569.D (-50) (-)

Ion 74.00 (73.70 to 74.70): BN007569.D (-50) (-)

Ion 44.00 (43.70 to 44.70): BN007569.D (-50) (-)



#4

2-Fluorophenol

Concen: 0.384 ng

RT: 5.03 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

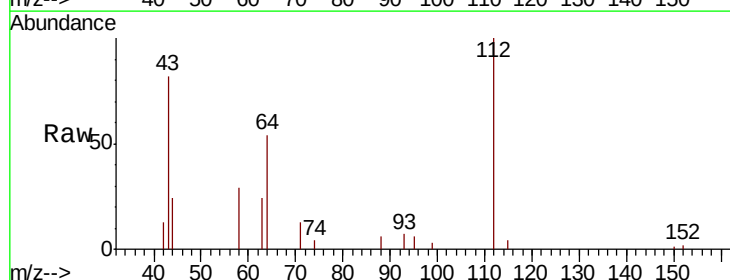
Tgt Ion: 112 Resp: 9756

Ion Ratio Lower Upper

112 100

64 53.7 42.3 63.5

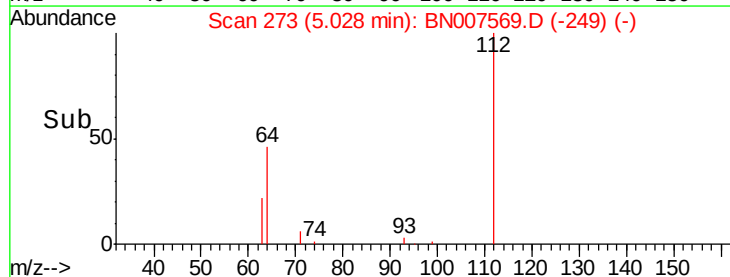
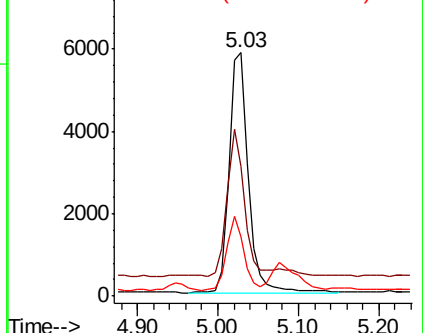
63 27.0 23.6 35.4

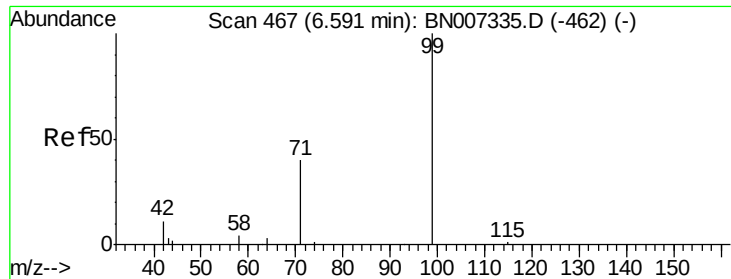


Abundance Ion 112.00 (111.70 to 112.70): BN007569.D (-249) (-)

Ion 64.00 (63.70 to 64.70): BN007569.D (-249) (-)

Ion 63.00 (62.70 to 63.70): BN007569.D (-249) (-)





#5

Phenol-d6

Concen: 0.416 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

ClientSampleId :

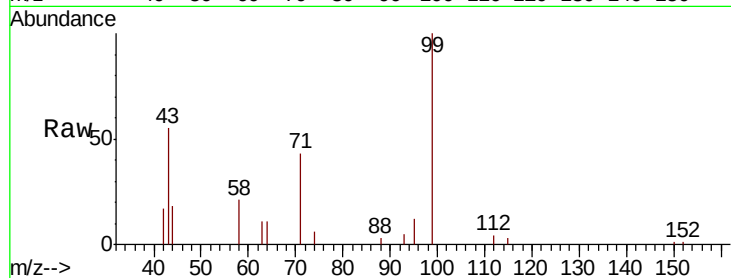
Tot Ion: 99 Resp: 13379

Ion Ratio Lower Upper

99 100

42 14.5 11.2 16.8

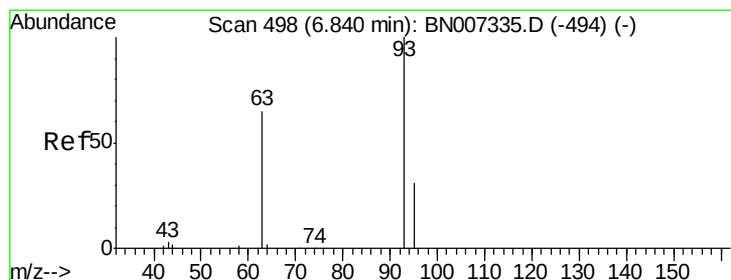
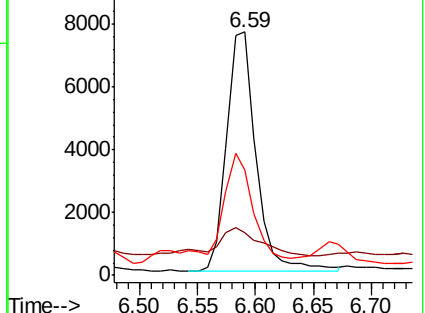
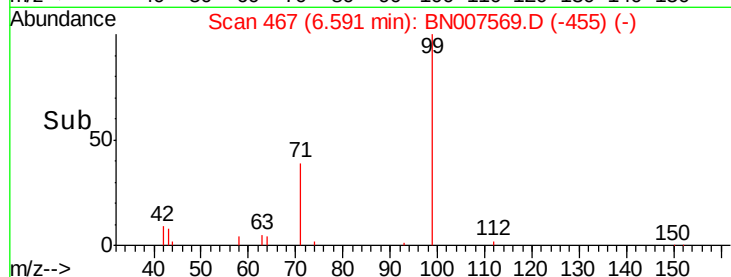
71 45.3 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007569.D (-455) (-)

Ion 42.00 (41.70 to 42.70): BN007569.D (-455) (-)

Ion 71.00 (70.70 to 71.70): BN007569.D (-455) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.402 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

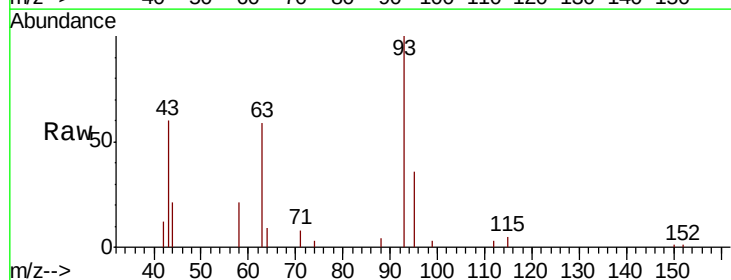
Tgt Ion: 93 Resp: 10596

Ion Ratio Lower Upper

93 100

63 61.6 51.9 77.9

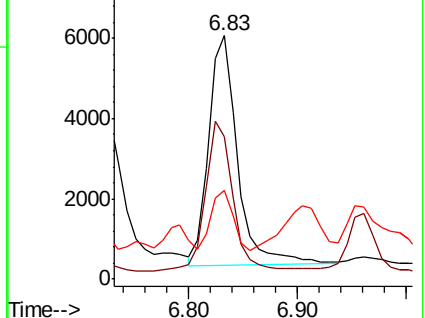
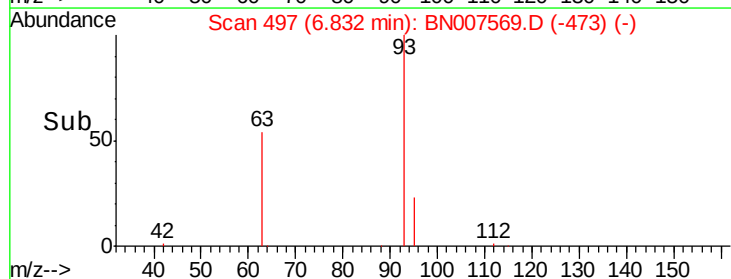
95 19.2 27.7 41.5#

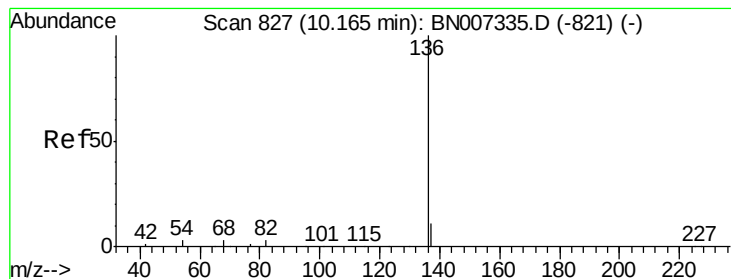


Abundance Ion 93.00 (92.70 to 93.70): BN007569.D (-473) (-)

Ion 63.00 (62.70 to 63.70): BN007569.D (-473) (-)

Ion 95.00 (94.70 to 95.70): BN007569.D (-473) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

ClientSampled :

Tot Ion:136 Resp: 43197

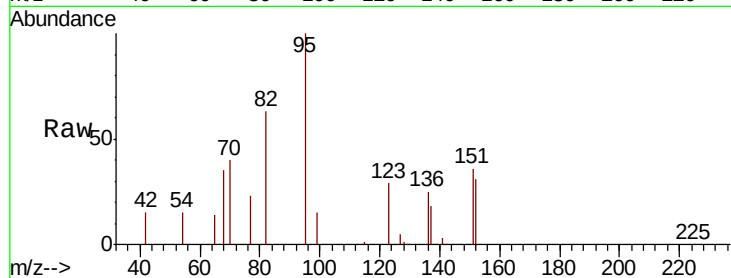
Ion Ratio Lower Upper

136 100

137 73.9 12.9 19.3#

54 62.8 8.6 12.8#

68 142.0 17.0 25.4#

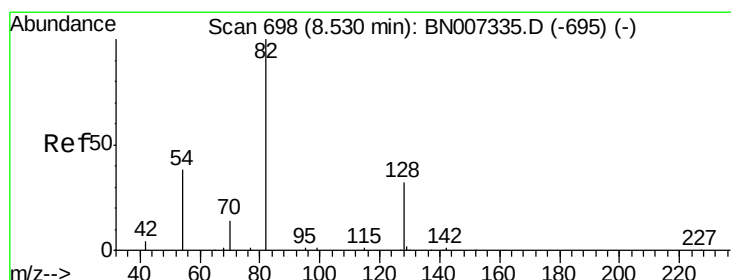
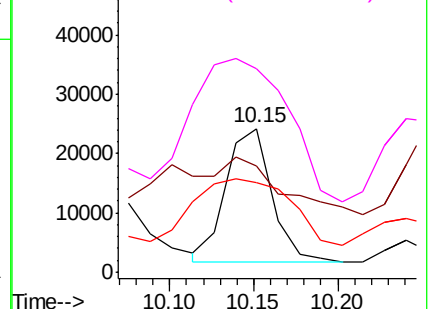
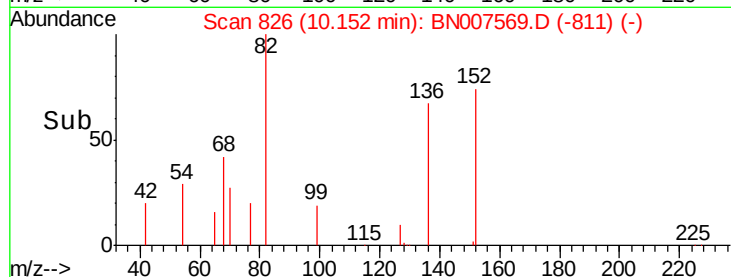


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



#8

Nitrobenzene-d5

Concen: 0.436 ng

RT: 8.52 min Scan# 697

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

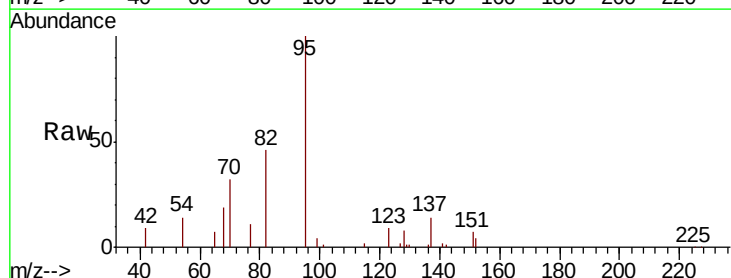
Tgt Ion: 82 Resp: 16406

Ion Ratio Lower Upper

82 100

128 16.5 19.7 29.5#

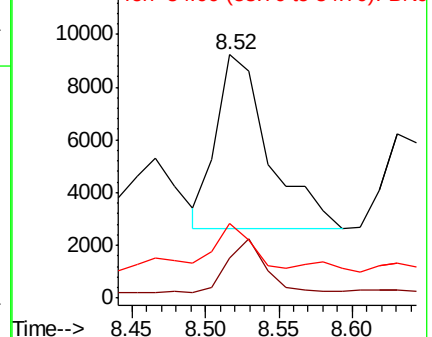
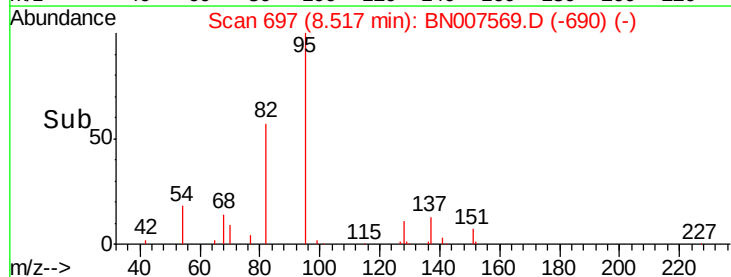
54 30.5 25.8 38.6

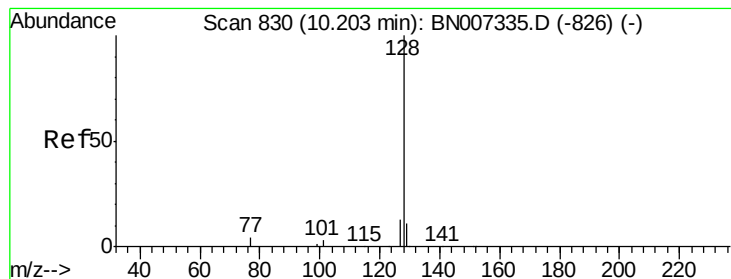


Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#9

Naphthalene

Concen: 0.329 ng

RT: 10.19 min Scan# 829

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

ClientSampleId :

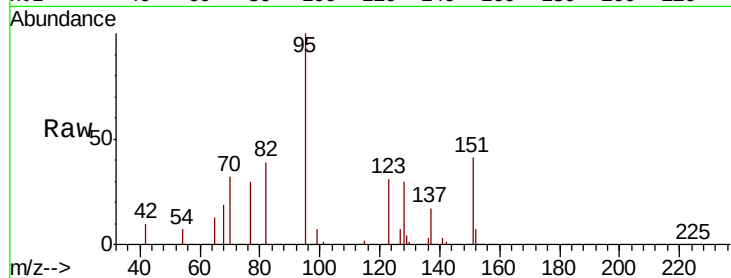
Tot Ion:128 Resp: 40591

Ion Ratio Lower Upper

128 100

129 12.1 11.1 16.7

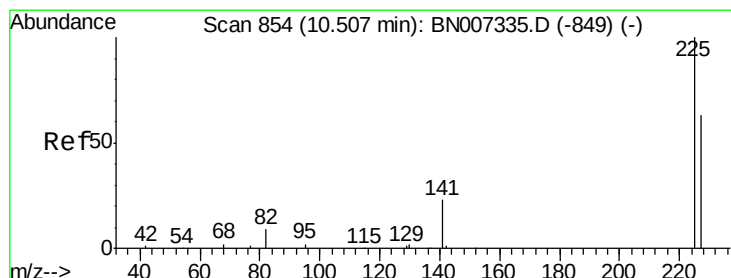
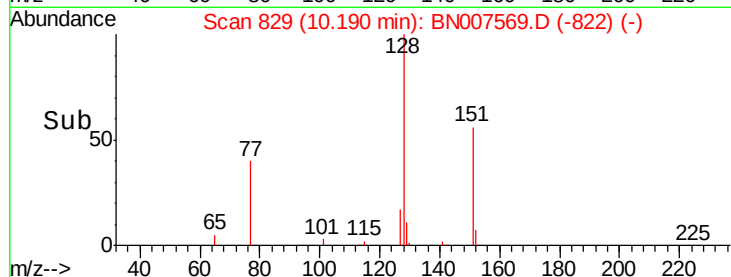
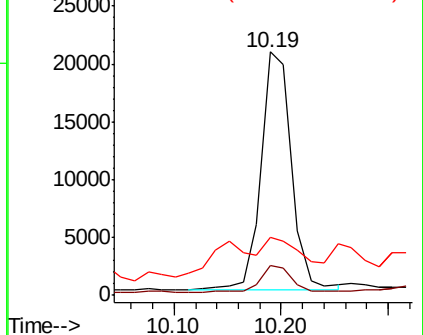
127 23.7 15.5 23.3#



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: 0.190 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

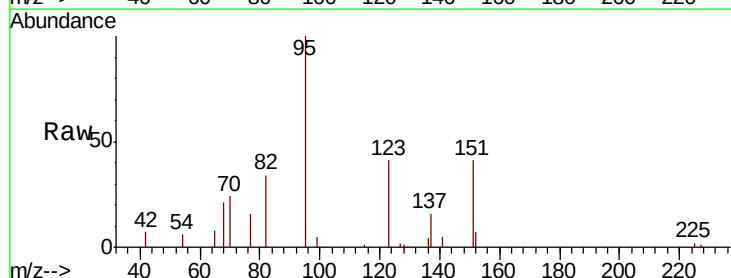
Tgt Ion:225 Resp: 4793

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

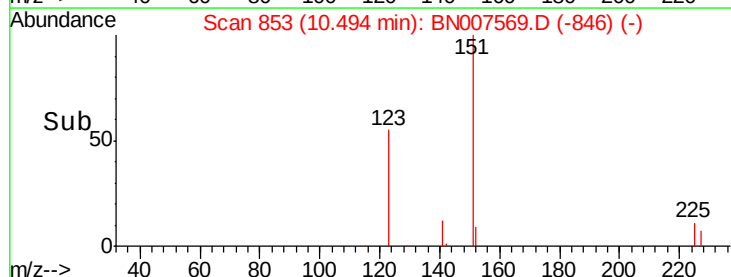
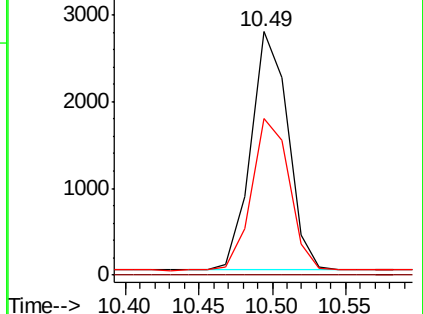
227 65.1 50.7 76.1

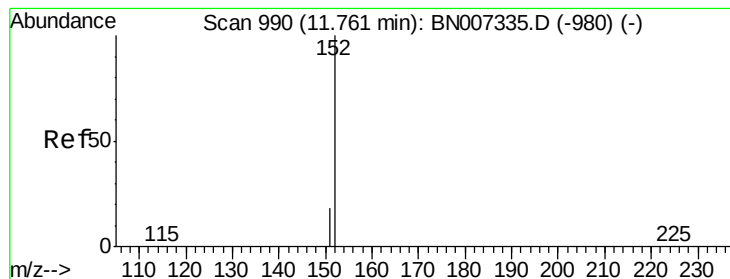


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.375 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.00 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

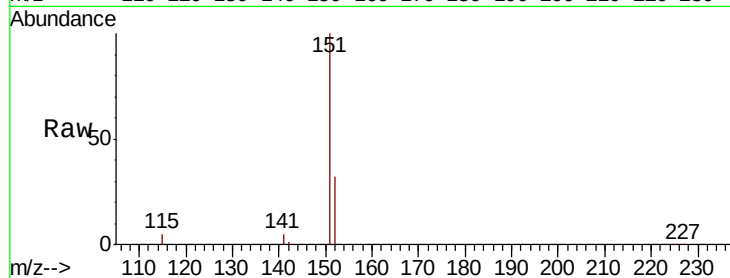
ClientSampled :

Tot Ion:152 Resp: 26919

Ion Ratio Lower Upper

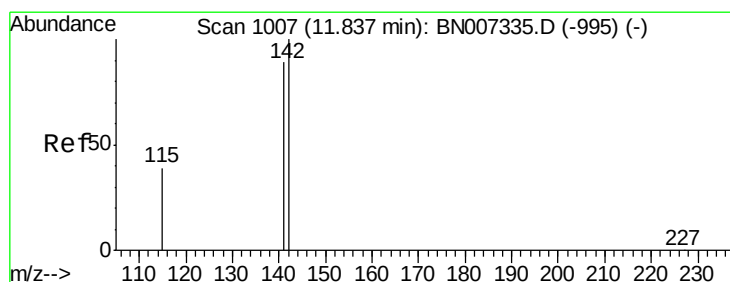
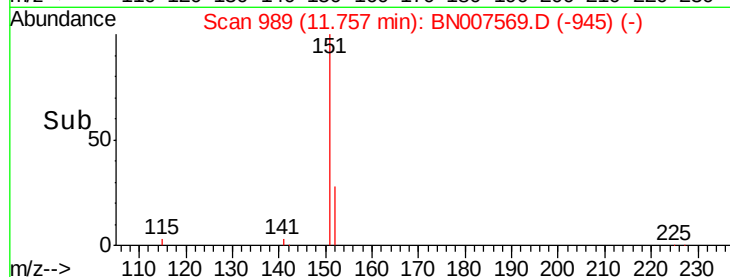
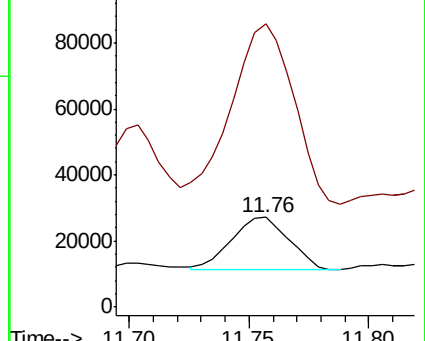
152 100

151 397.3 16.2 24.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.326 ng

RT: 11.83 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

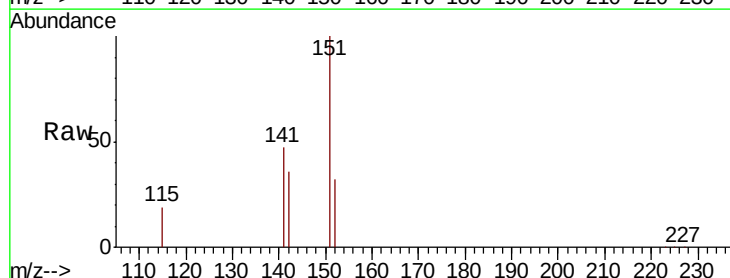
Tgt Ion:142 Resp: 27450

Ion Ratio Lower Upper

142 100

141 129.1 72.8 109.2#

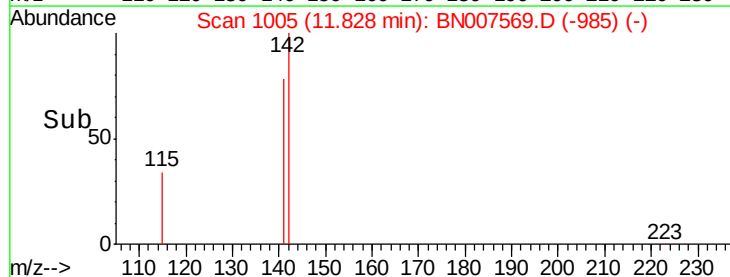
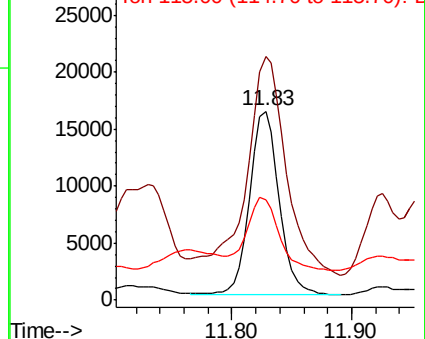
115 53.2 35.2 52.8#

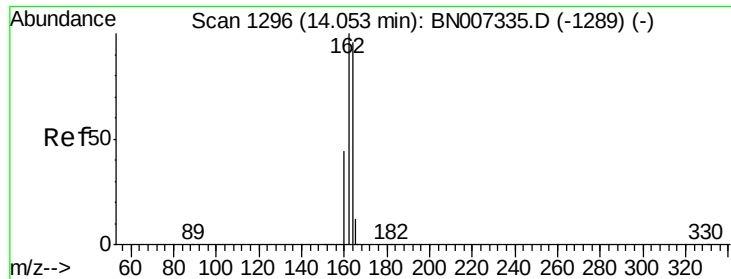


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

ClientSampled :

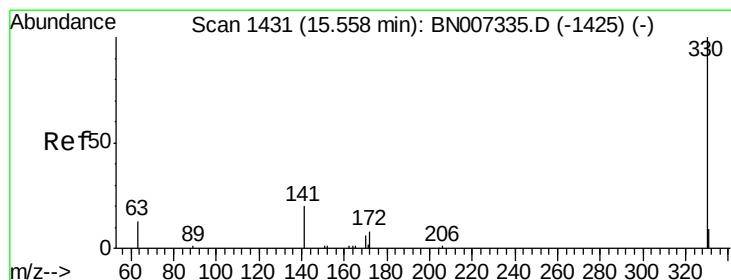
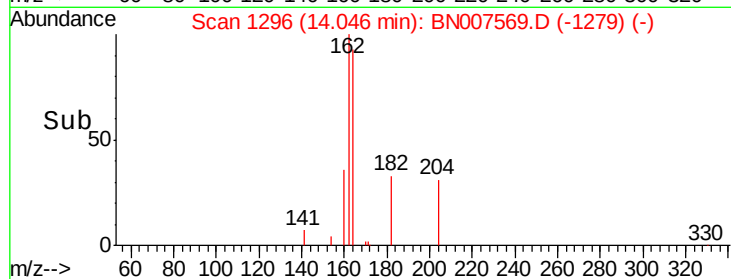
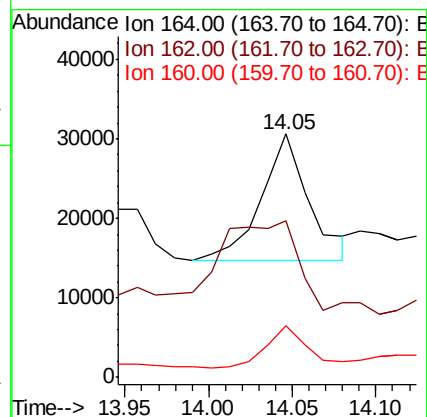
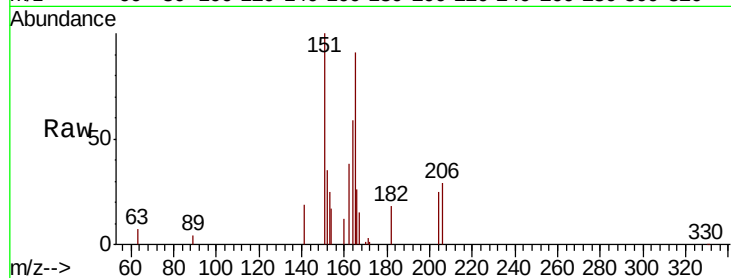
Tot Ion:164 Resp: 31882

Ion Ratio Lower Upper

164 100

162 64.1 83.5 125.3#

160 20.9 38.2 57.4#



#14

2,4,6-Tribromophenol

Concen: 0.197 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

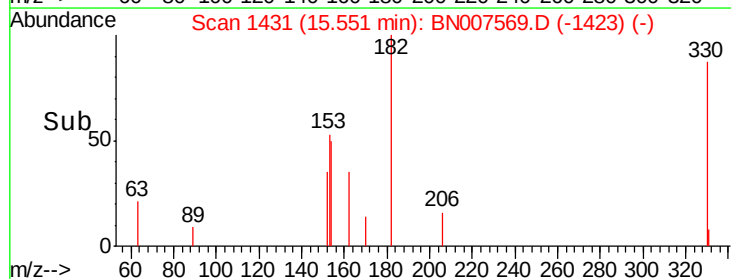
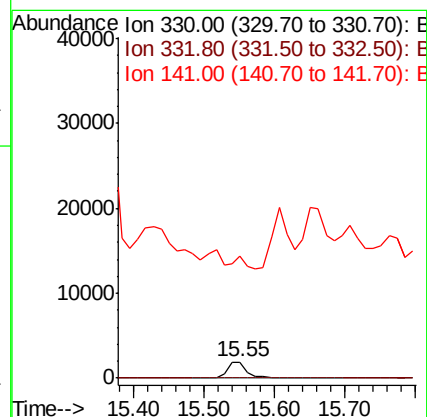
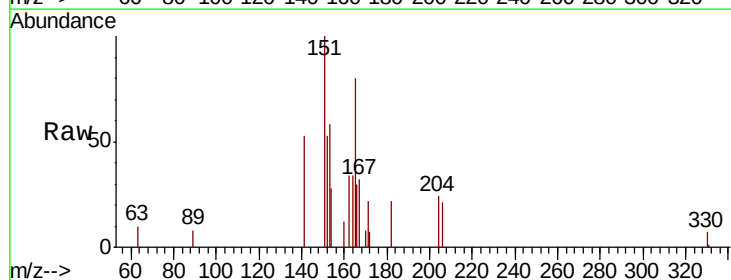
Tgt Ion:330 Resp: 3289

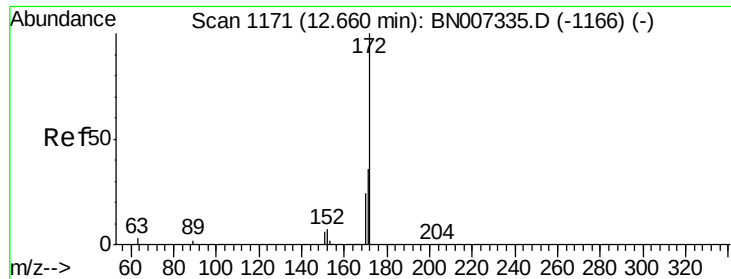
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 0.0 26.9 40.3#





#15

2-Fluorobiphenyl

Concen: 0.161 ng

RT: 12.65 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

ClientSampleId :

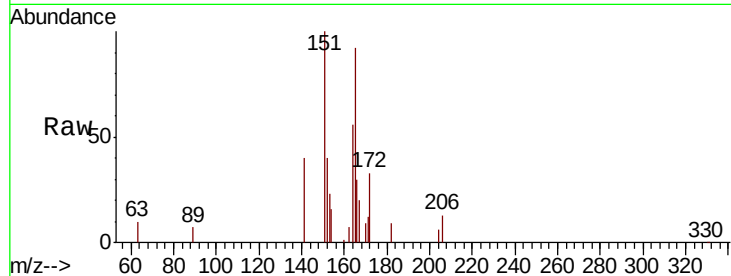
Tot Ion:172 Resp: 20708

Ion Ratio Lower Upper

172 100

171 36.6 30.3 45.5

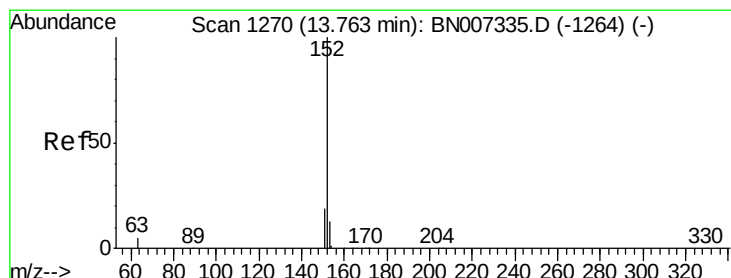
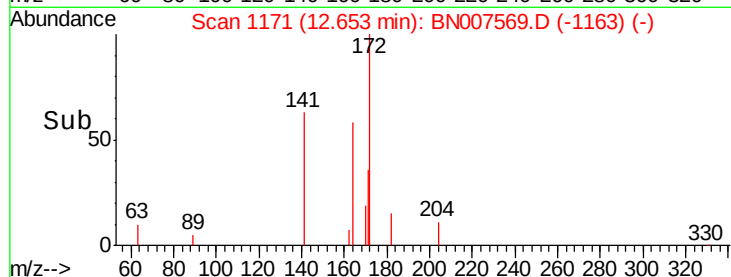
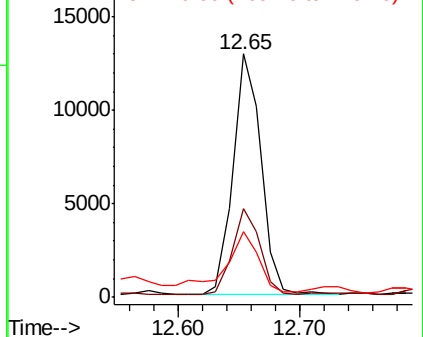
170 27.0 20.7 31.1



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.822 ng

RT: 13.79 min Scan# 1273

Delta R.T. 0.03 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

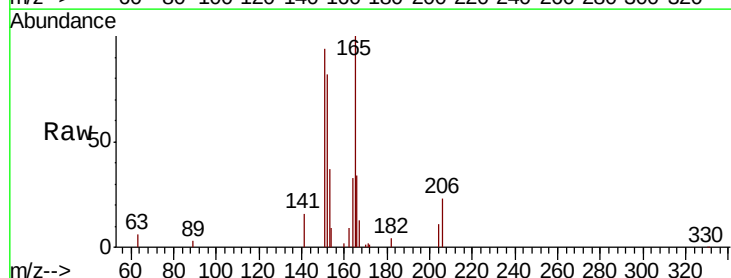
Tgt Ion:152 Resp: 155119

Ion Ratio Lower Upper

152 100

151 50.6 16.1 24.1#

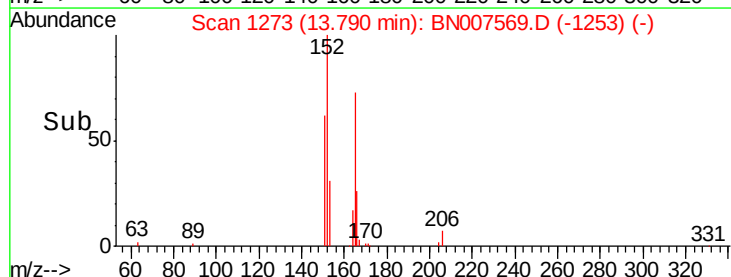
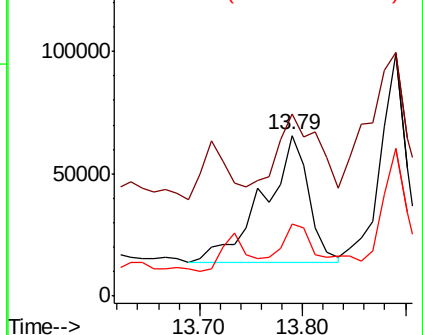
153 21.1 10.6 15.8#

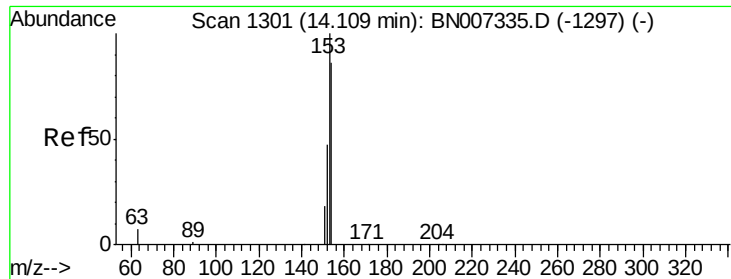


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.352 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

ClientSampleId :

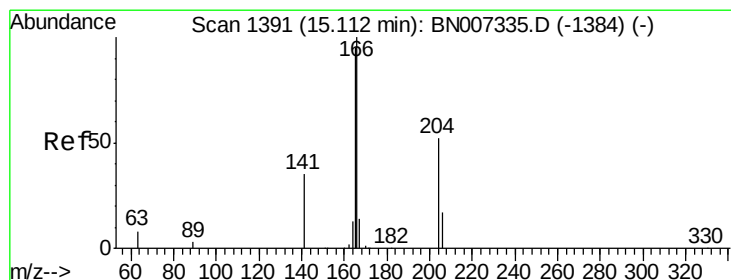
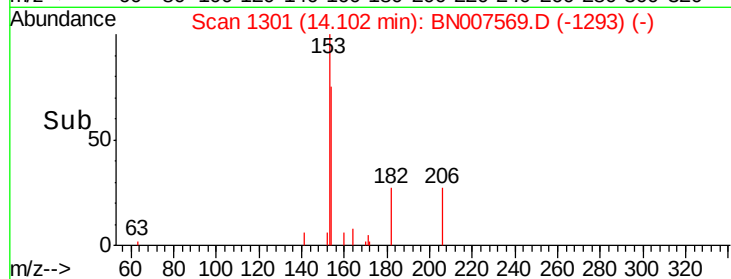
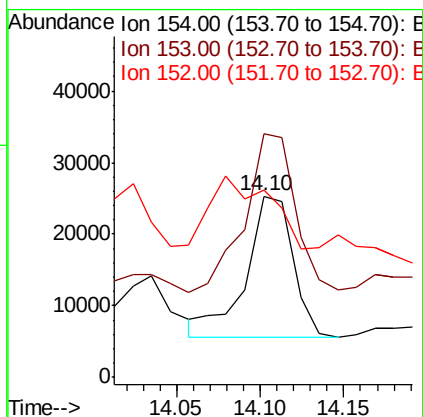
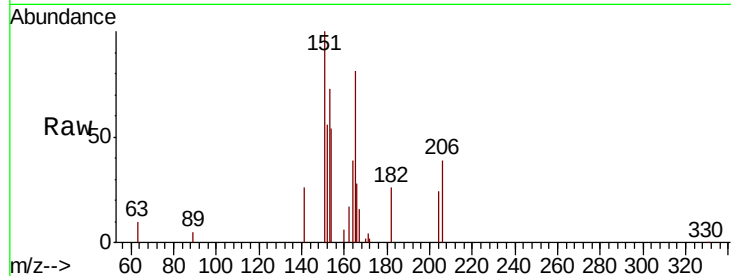
Tot Ion:154 Resp: 38845

Ion Ratio Lower Upper

154 100

153 120.6 92.8 139.2

152 0.0 43.8 65.8#



#18

Fluorene

Concen: 0.308 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

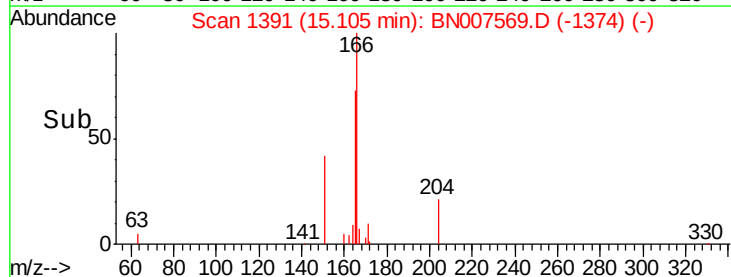
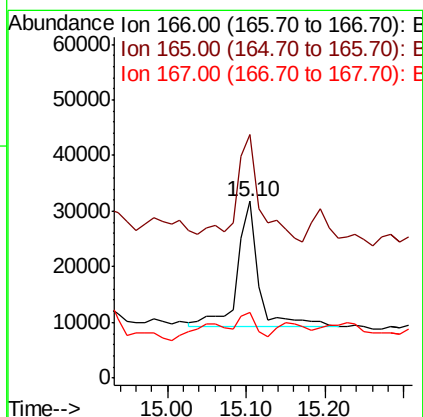
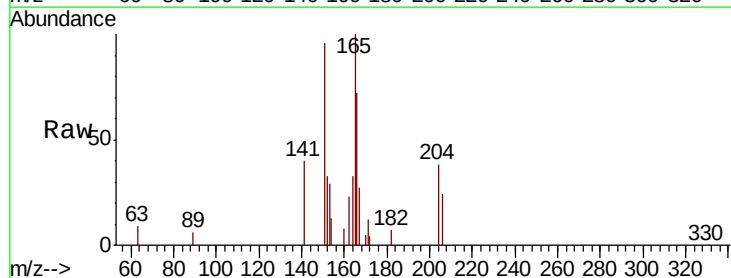
Tgt Ion:166 Resp: 43039

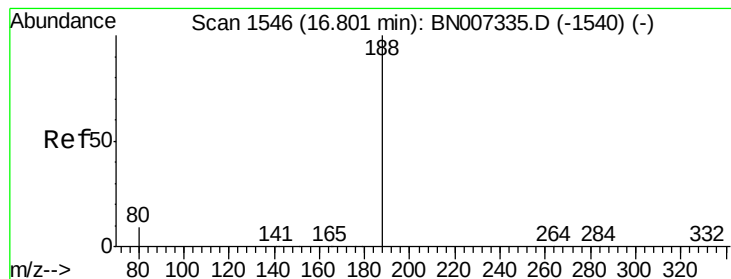
Ion Ratio Lower Upper

166 100

165 95.9 79.0 118.4

167 15.1 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

ClientSampleId :

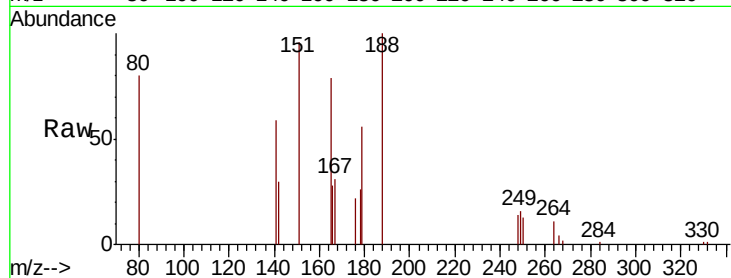
Tot Ion:188 Resp: 30423

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

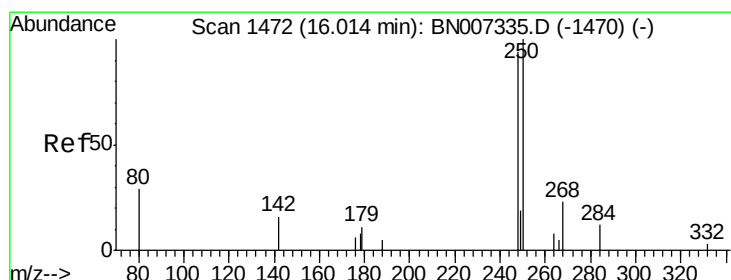
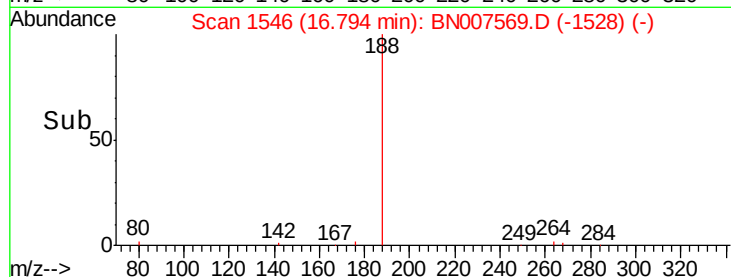
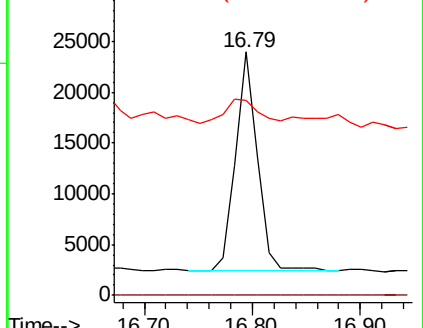
80 80.2 11.8 17.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 1.256 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

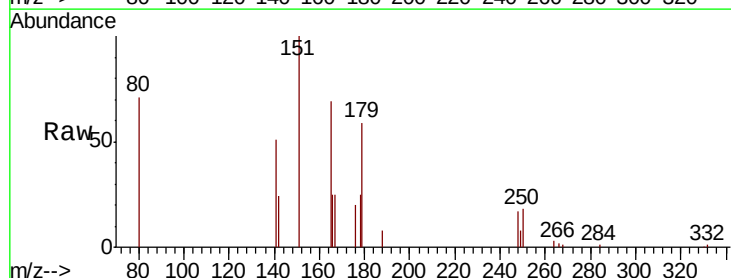
Tgt Ion:248 Resp: 15068

Ion Ratio Lower Upper

248 100

250 103.1 85.0 127.6

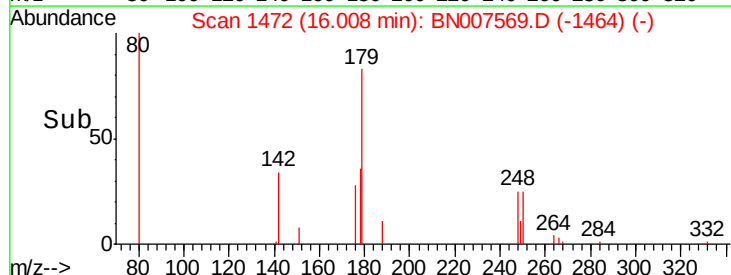
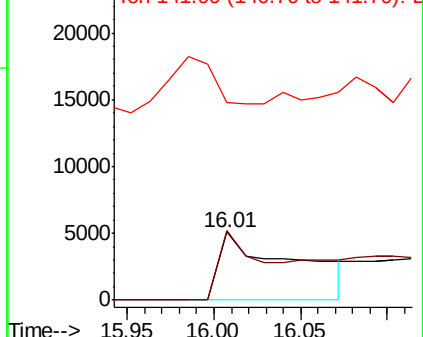
141 292.1 51.7 77.5#

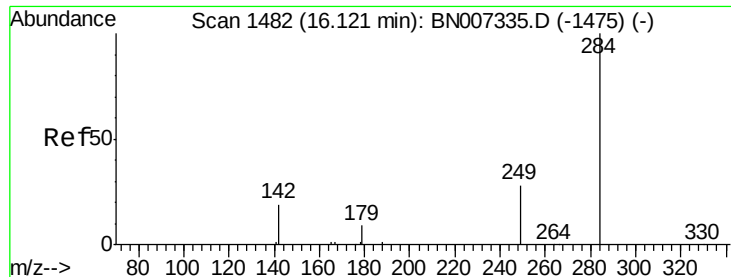


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.356 ng

RT: 16.11 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

ClientSampled :

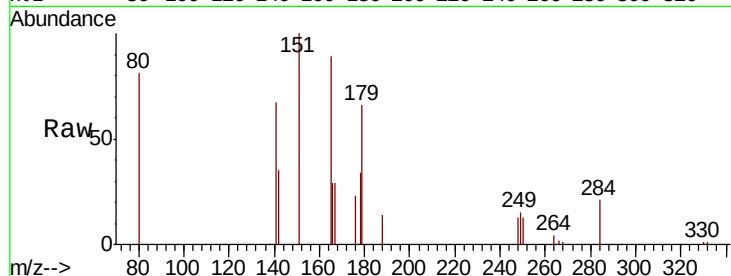
Tot Ion:284 Resp: 7264

Ion Ratio Lower Upper

284 100

142 72.9 29.0 43.6#

249 47.5 24.9 37.3#

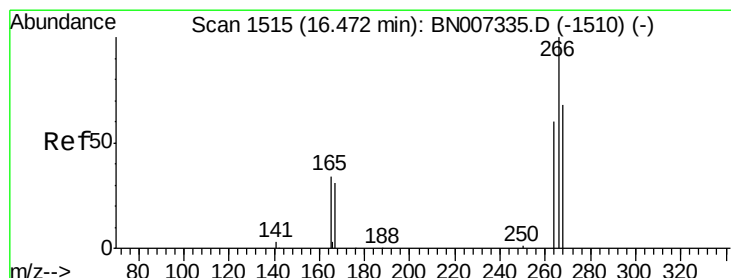
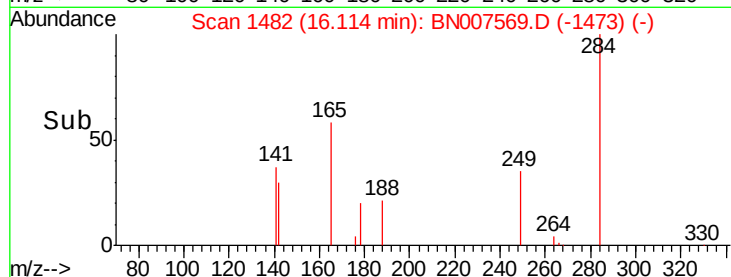
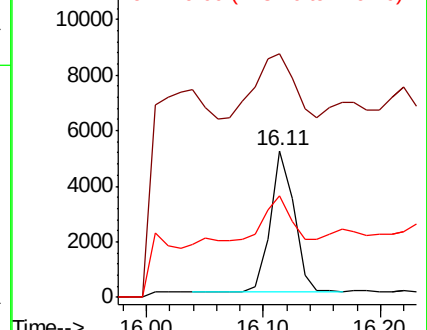


Abundance

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: 0.981 ng

RT: 16.45 min Scan# 1514

Delta R.T. -0.02 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

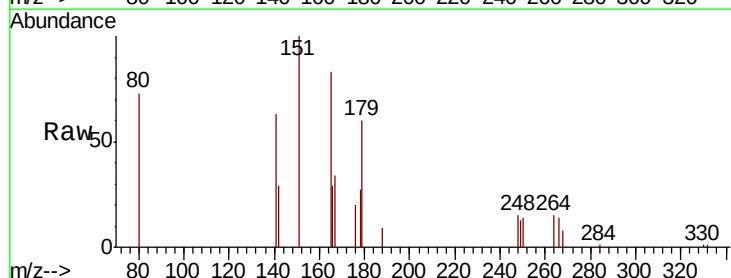
Tgt Ion:266 Resp: 6216

Ion Ratio Lower Upper

266 100

264 106.0 57.8 86.8#

268 55.4 99.7 149.5#

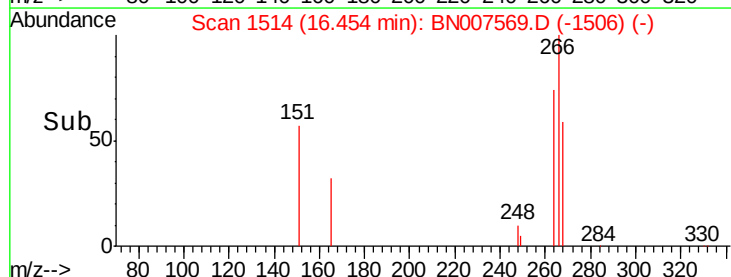
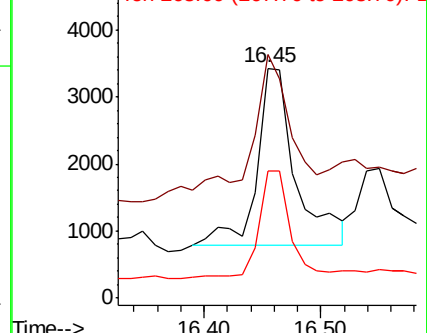


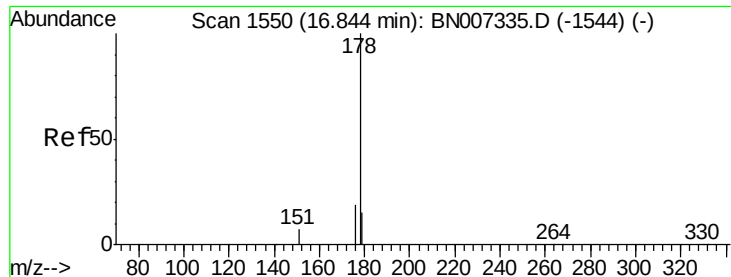
Abundance

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: 2.919 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

ClientSampleId :

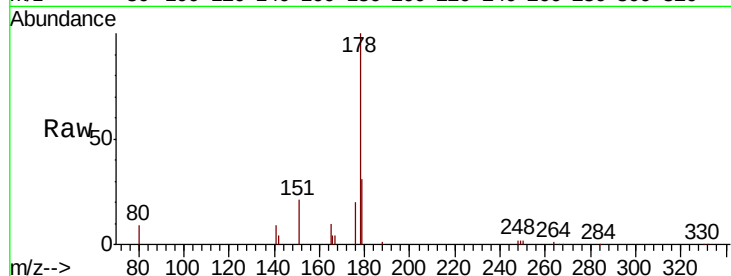
Tot Ion:178 Resp: 267147

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

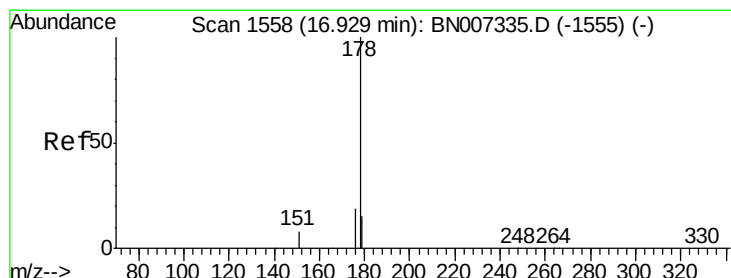
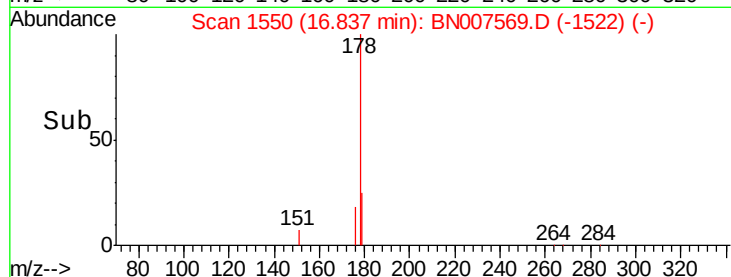
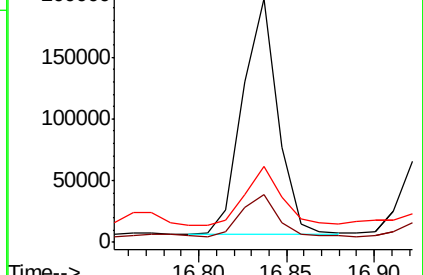
179 26.8 12.6 19.0#



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: 0.969 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

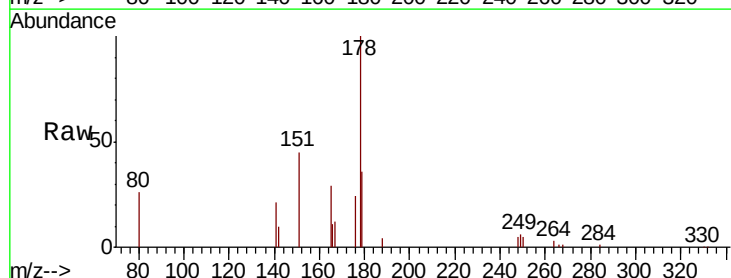
Tgt Ion:178 Resp: 89208

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

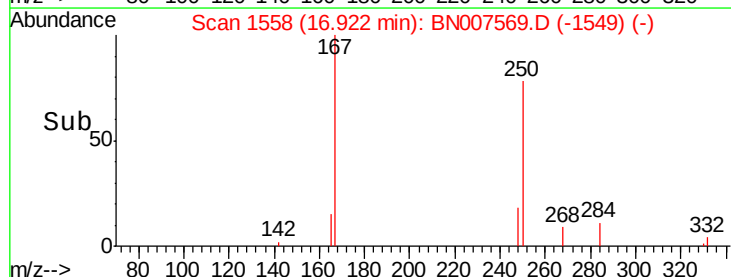
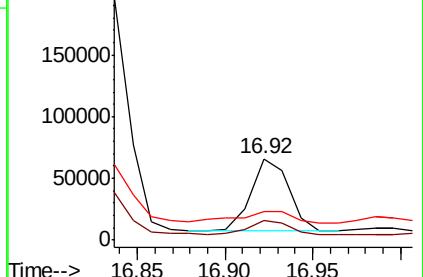
179 22.8 12.4 18.6#

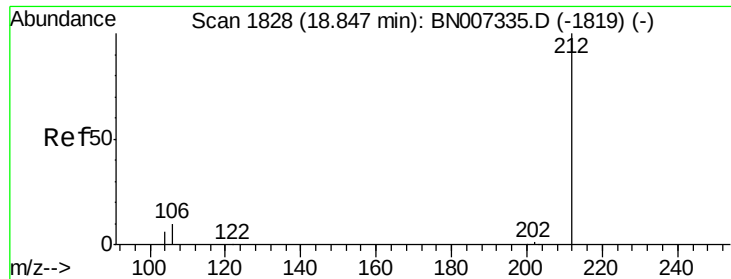


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.309 ng

RT: 18.84 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

ClientSampleId :

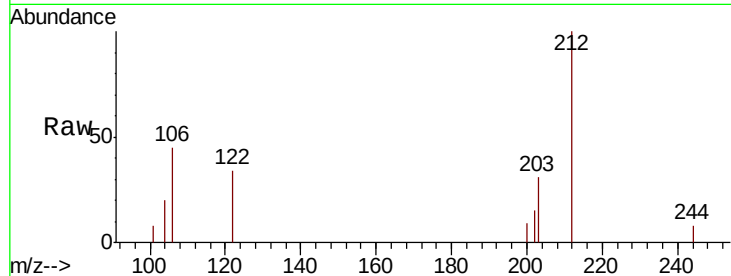
Tot Ion:212 Resp: 30289

Ion Ratio Lower Upper

212 100

106 14.9 9.0 13.4#

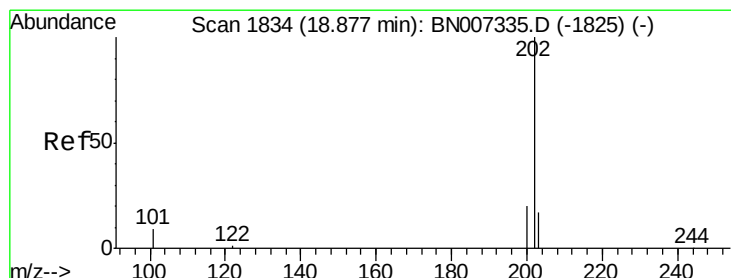
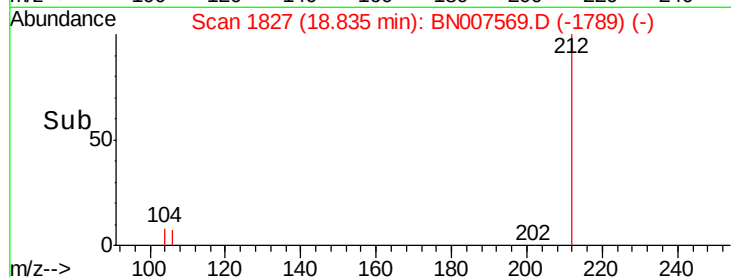
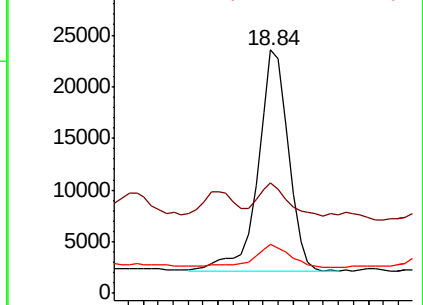
104 12.8 5.4 8.2#



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: 5.081 ng

RT: 18.87 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

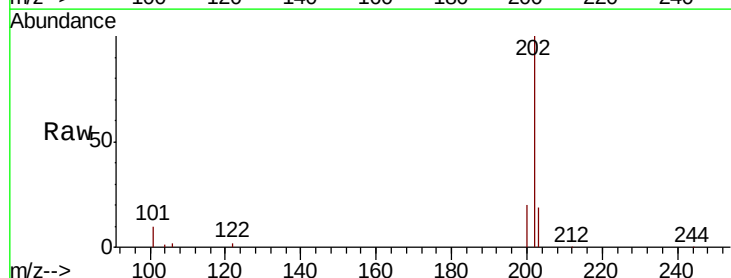
Tgt Ion:202 Resp: 597002

Ion Ratio Lower Upper

202 100

101 11.5 7.7 11.5

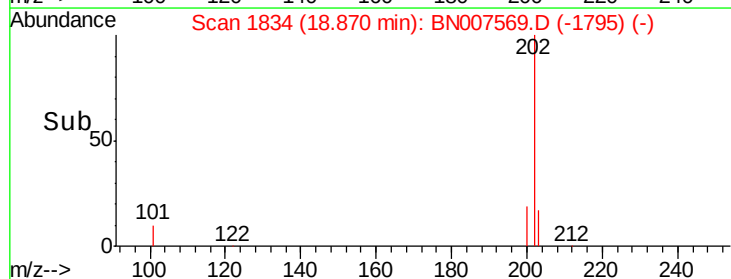
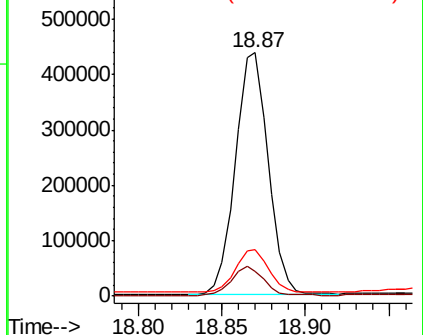
203 17.5 13.7 20.5

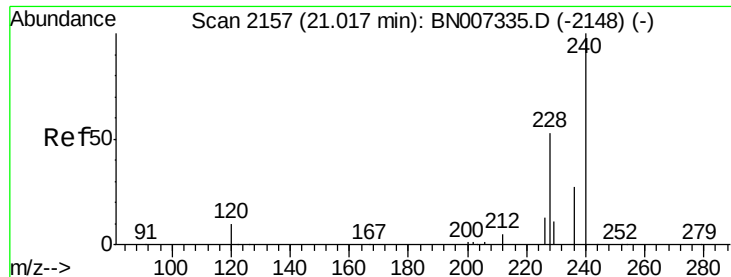


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

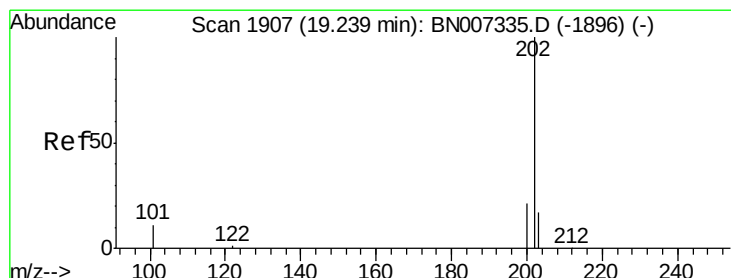
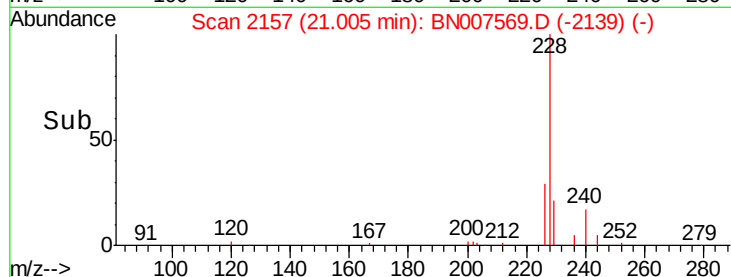
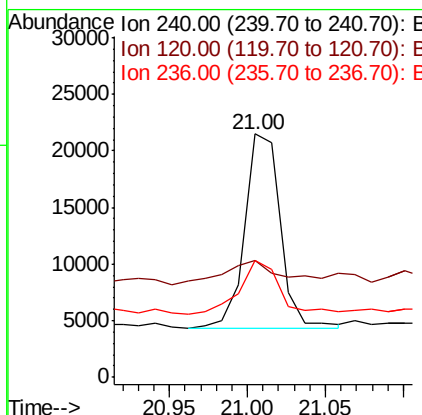
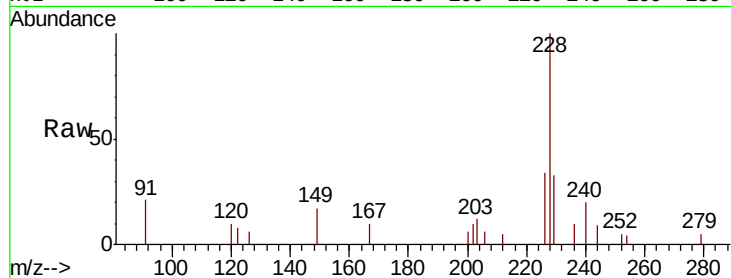




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BN007569.D
Acq: 09 Sep 2019 02:25

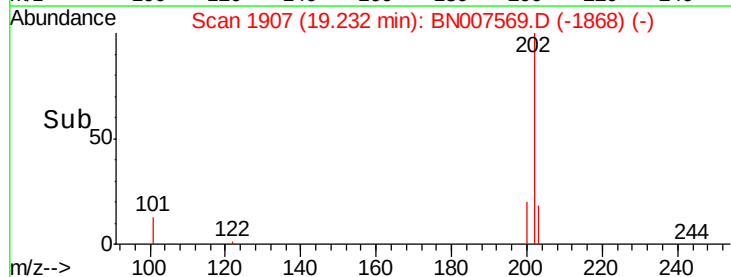
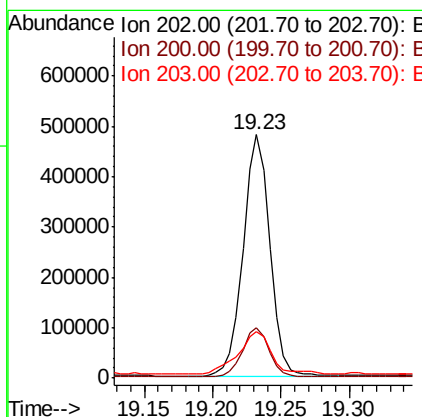
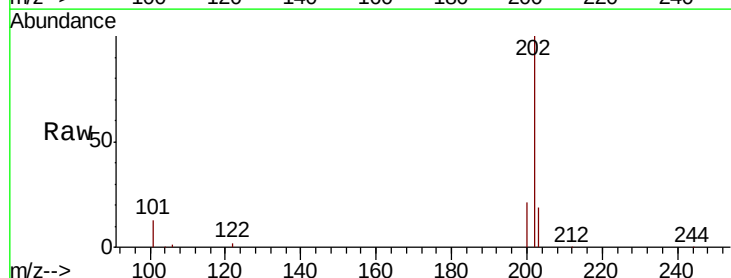
Instrument :
BNA_N
ClientSampleId :

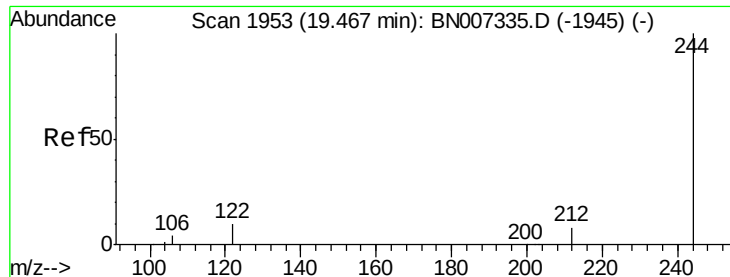
Tot Ion:240 Resp: 26925
Ion Ratio Lower Upper
240 100
120 48.0 9.6 14.4#
236 48.0 22.2 33.2#



#28
Pyrene
Concen: 6.028 ng
RT: 19.23 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BN007569.D
Acq: 09 Sep 2019 02:25

Tgt Ion:202 Resp: 652923
Ion Ratio Lower Upper
202 100
200 20.6 16.6 25.0
203 22.2 14.2 21.4#





#29

Terphenyl-d14

Concen: 0.393 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

ClientSampleId :

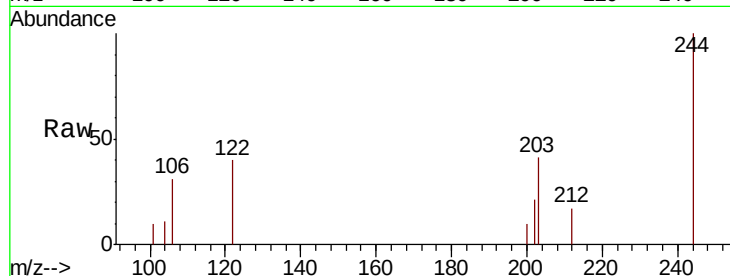
Tot Ion:244 Resp: 27665

Ion Ratio Lower Upper

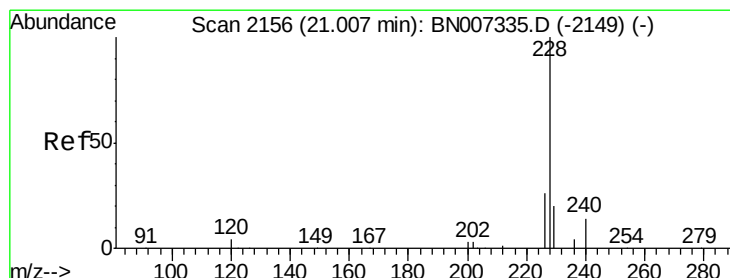
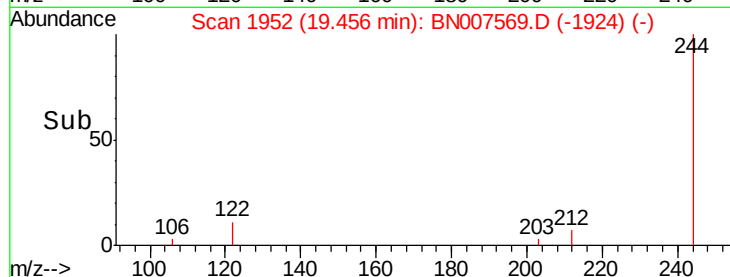
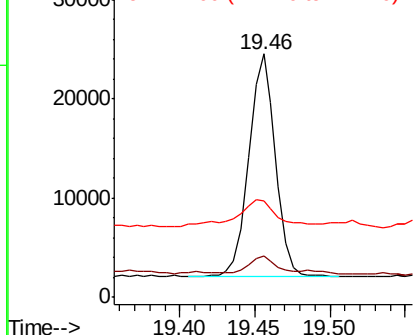
244 100

212 16.9 7.0 10.6#

122 39.8 9.6 14.4#



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: 3.489 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

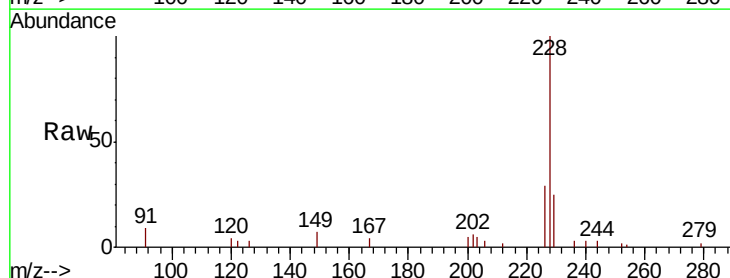
Tgt Ion:228 Resp: 368959

Ion Ratio Lower Upper

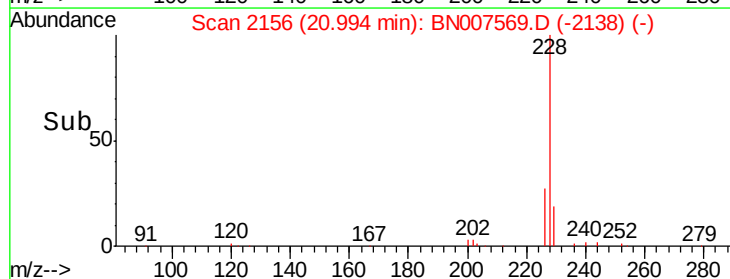
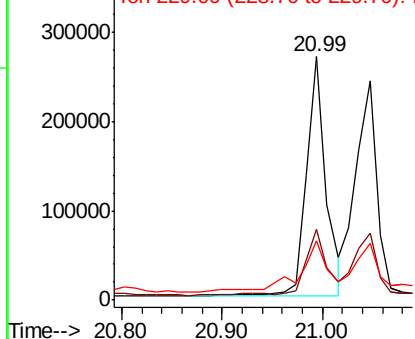
228 100

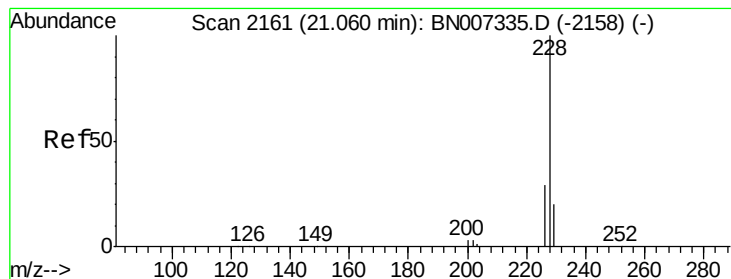
226 29.3 21.3 31.9

229 24.5 16.1 24.1#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 3.130 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.07 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

ClientSampleId :

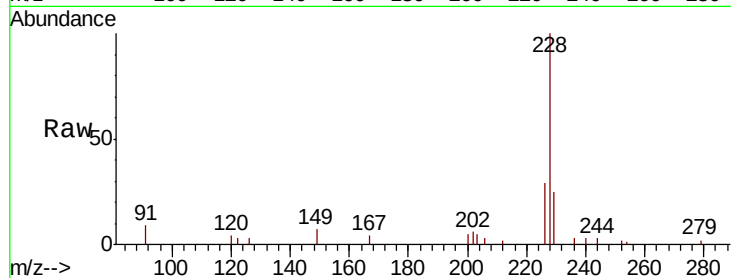
Tot Ion:228 Resp: 319441

Ion Ratio Lower Upper

228 100

226 29.3 23.5 35.3

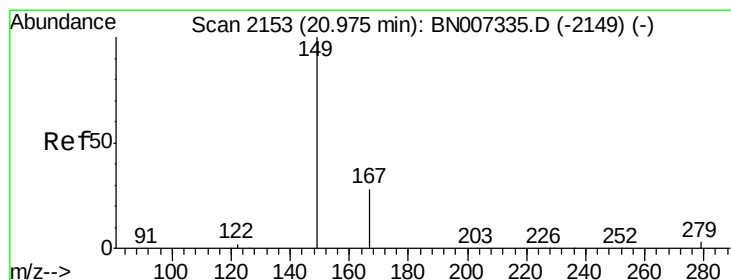
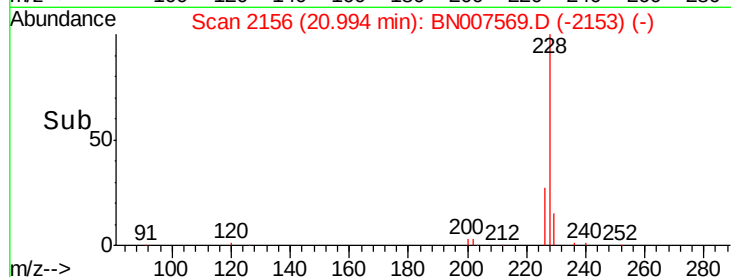
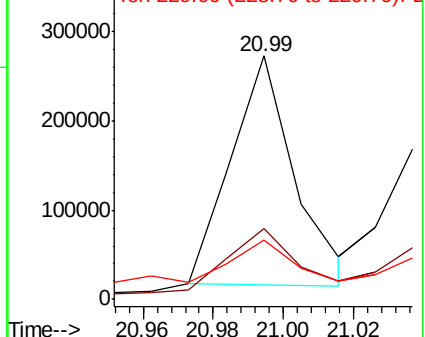
229 24.5 16.6 24.8



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: 1.553 ng

RT: 20.95 min Scan# 2152

Delta R.T. -0.02 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

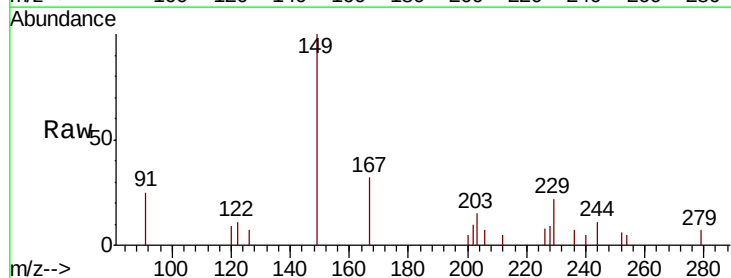
Tgt Ion:149 Resp: 107568

Ion Ratio Lower Upper

149 100

167 32.0 22.8 34.2

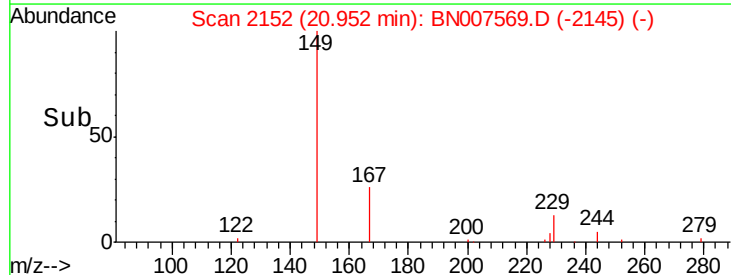
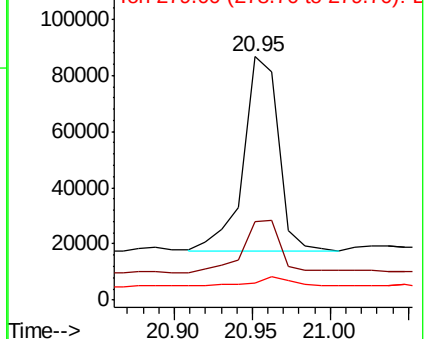
279 5.3 3.5 5.3#

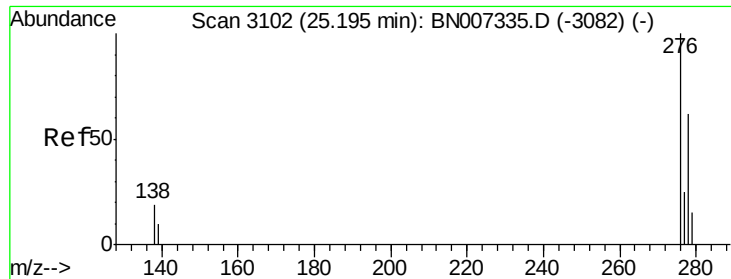


Abundance Ion 149.00 (148.70 to 149.70): E

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: 2.125 ng

RT: 25.18 min Scan# 3099

Delta R.T. -0.02 min

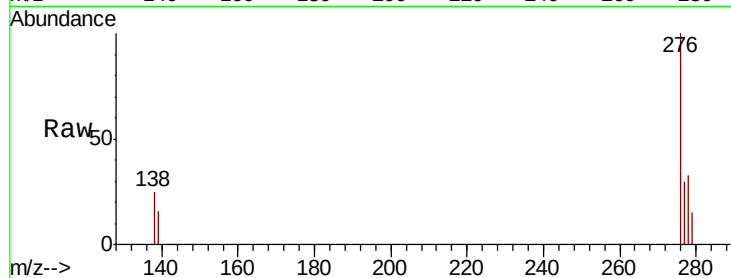
Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

ClientSampleId :



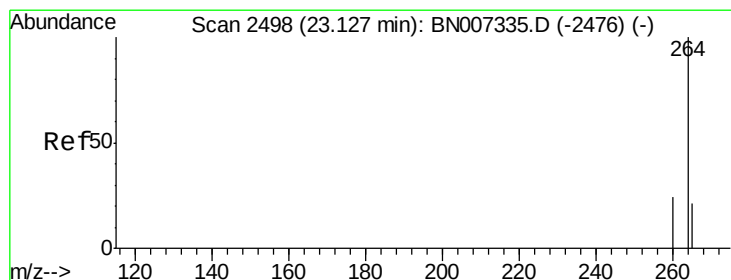
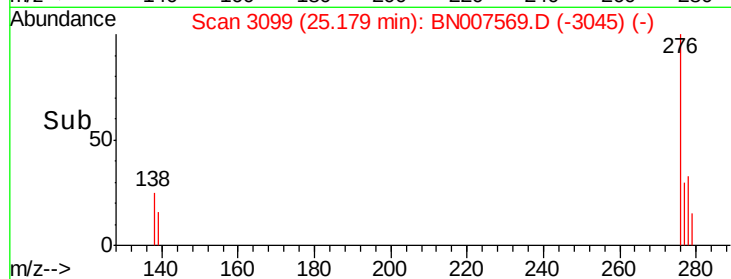
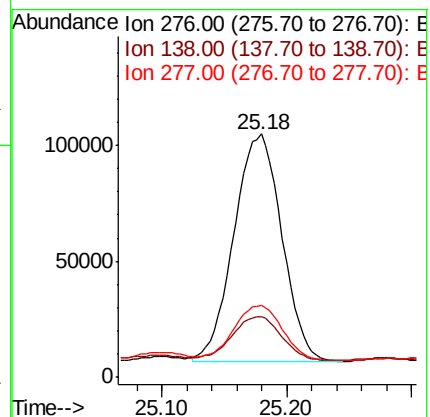
Tot Ion:276 Resp: 261291

Ion Ratio Lower Upper

276 100

138 19.6 15.1 22.7

277 24.7 19.7 29.5



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.11 min Scan# 2495

Delta R.T. -0.02 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

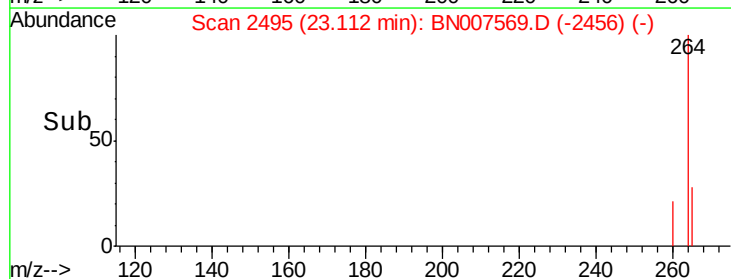
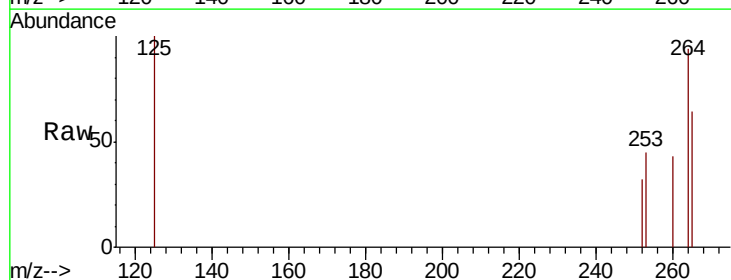
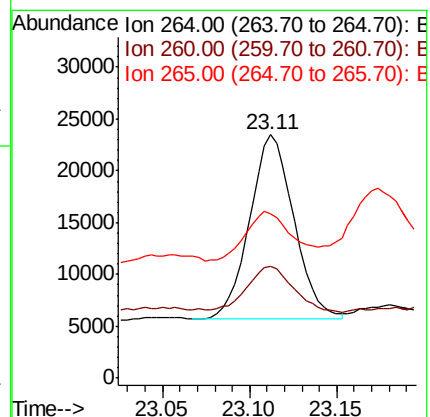
Tgt Ion:264 Resp: 31489

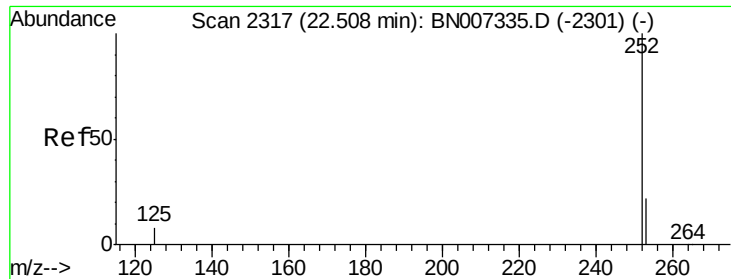
Ion Ratio Lower Upper

264 100

260 45.9 19.7 29.5#

265 67.7 29.9 44.9#

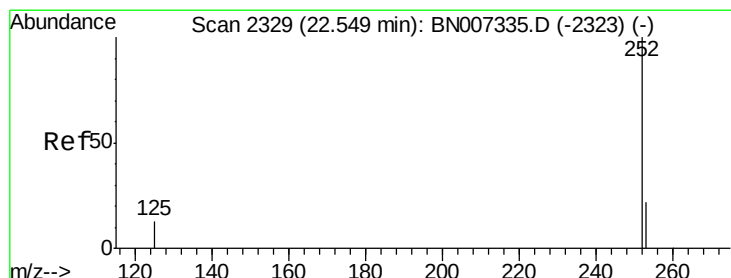
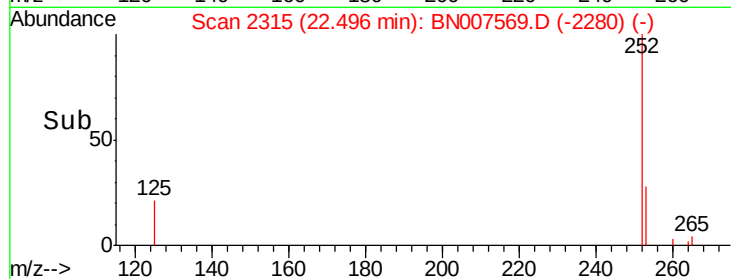
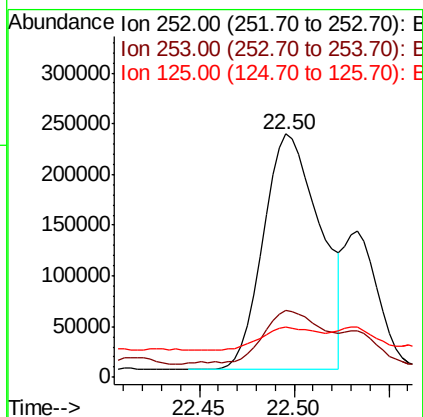
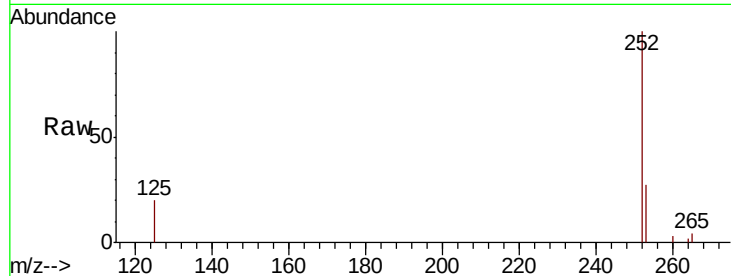




#35
Benzo(b)fluoranthene
Concen: 4.253 ng
RT: 22.50 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BN007569.D
Acq: 09 Sep 2019 02:25

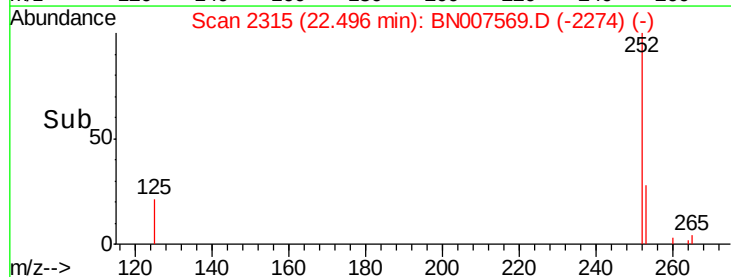
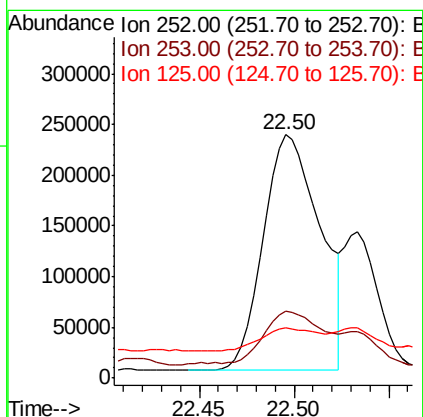
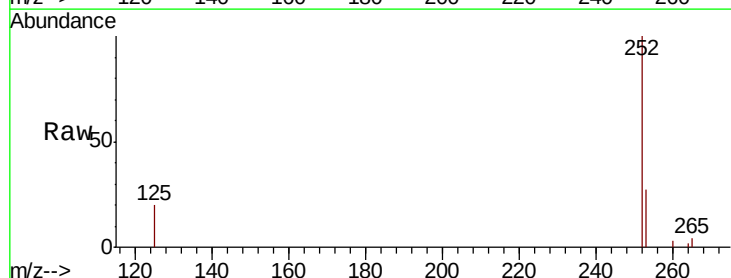
Instrument :
BNA_N
ClientSampleId :

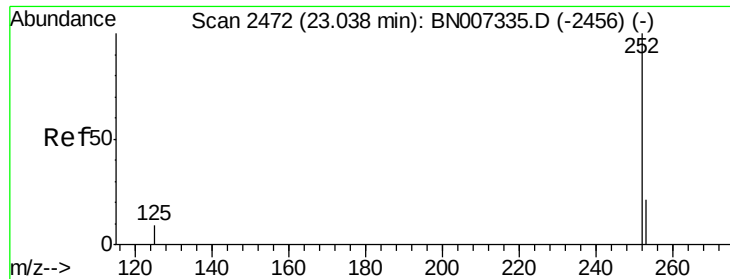
Tot Ion:252 Resp: 485287
Ion Ratio Lower Upper
252 100
253 27.5 19.2 28.8
125 20.5 10.6 16.0#



#36
Benzo(k)fluoranthene
Concen: 4.304 ng
RT: 22.50 min Scan# 2315
Delta R.T. -0.05 min
Lab File: BN007569.D
Acq: 09 Sep 2019 02:25

Tgt Ion:252 Resp: 485287
Ion Ratio Lower Upper
252 100
253 27.5 19.4 29.2
125 20.5 13.1 19.7#





#37

Benzo(a)pyrene

Concen: 3.358 ng

RT: 23.02 min Scan# 2469

Delta R.T. -0.02 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

ClientSampleId :

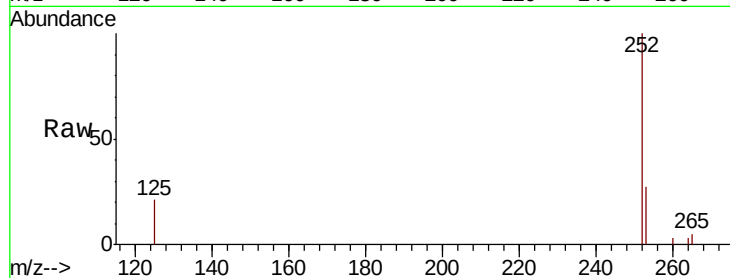
Tot Ion:252 Resp: 364555

Ion Ratio Lower Upper

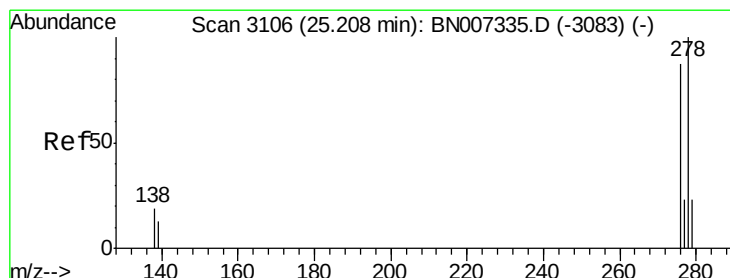
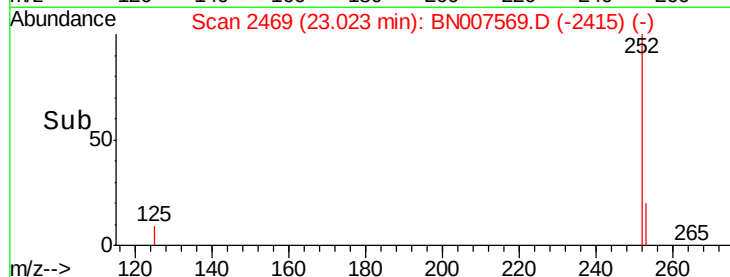
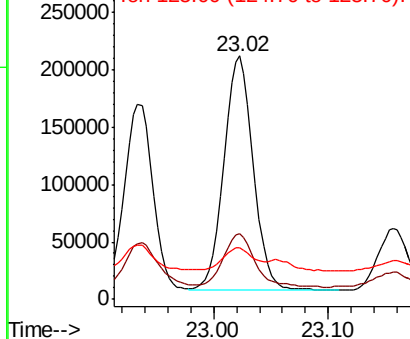
252 100

253 27.0 19.5 29.3

125 21.1 12.1 18.1#



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: 0.815 ng

RT: 25.19 min Scan# 3101

Delta R.T. -0.02 min

Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

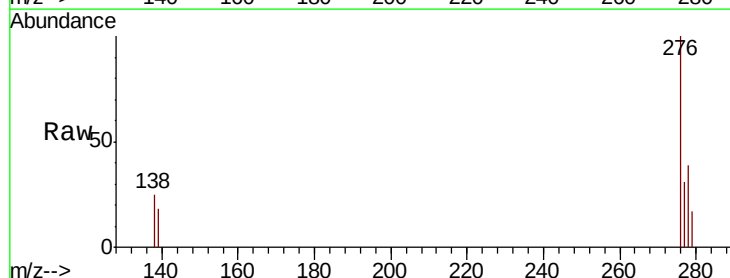
Tgt Ion:278 Resp: 88287

Ion Ratio Lower Upper

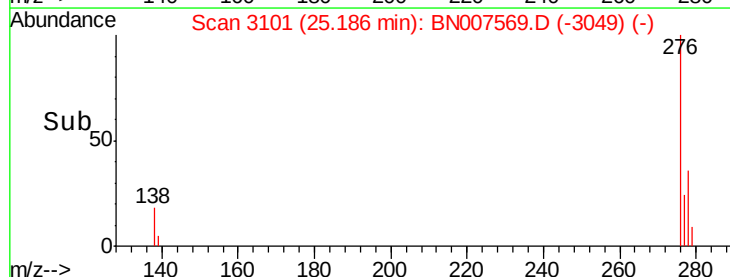
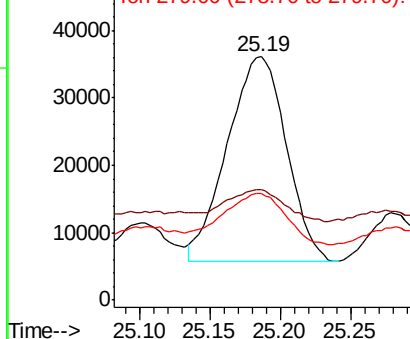
278 100

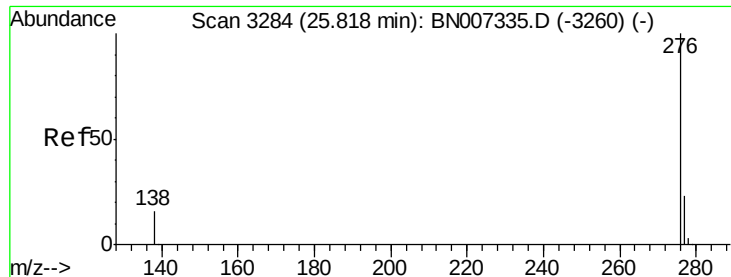
139 45.4 13.7 20.5#

279 43.8 20.2 30.4#



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: 2.774 ng

RT: 25.80 min Scan# 3281

Delta R.T. -0.02 min

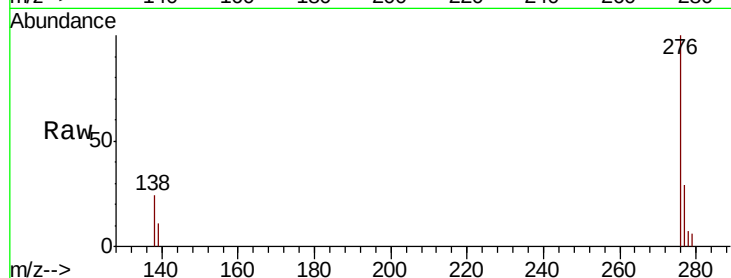
Lab File: BN007569.D

Acq: 09 Sep 2019 02:25

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 299376

Ion Ratio Lower Upper

276 100

277 28.5 19.6 29.4

138 24.2 16.3 24.5

