

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082619\
 Data File : BN007408.D
 Acq On : 26 Aug 2019 13:30
 Operator : HP/JU
 Sample : PB122289BSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 26 17:26:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 24 00:38:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5456	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	21297	0.40	ng	-0.01
13) Acenaphthene-d10	14.04	164	10868	0.40	ng	-0.01
19) Phenanthrene-d10	16.80	188	24737	0.40	ng	0.00
27) Chrysene-d12	21.02	240	25755	0.40	ng	0.00
34) Perylene-d12	23.12	264	25915	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.03	112	5854	0.30	ng	0.00
5) Phenol-d6	6.59	99	6860	0.28	ng	0.00
8) Nitrobenzene-d5	8.53	82	5978	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	11997	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	1734	0.31	ng	-0.01
15) 2-Fluorobiphenyl	12.66	172	15722	0.36	ng	0.00
25) Fluoranthene-d10	18.84	212	26481	0.33	ng	0.00
29) Terphenyl-d14	19.46	244	19060	0.28	ng	0.00

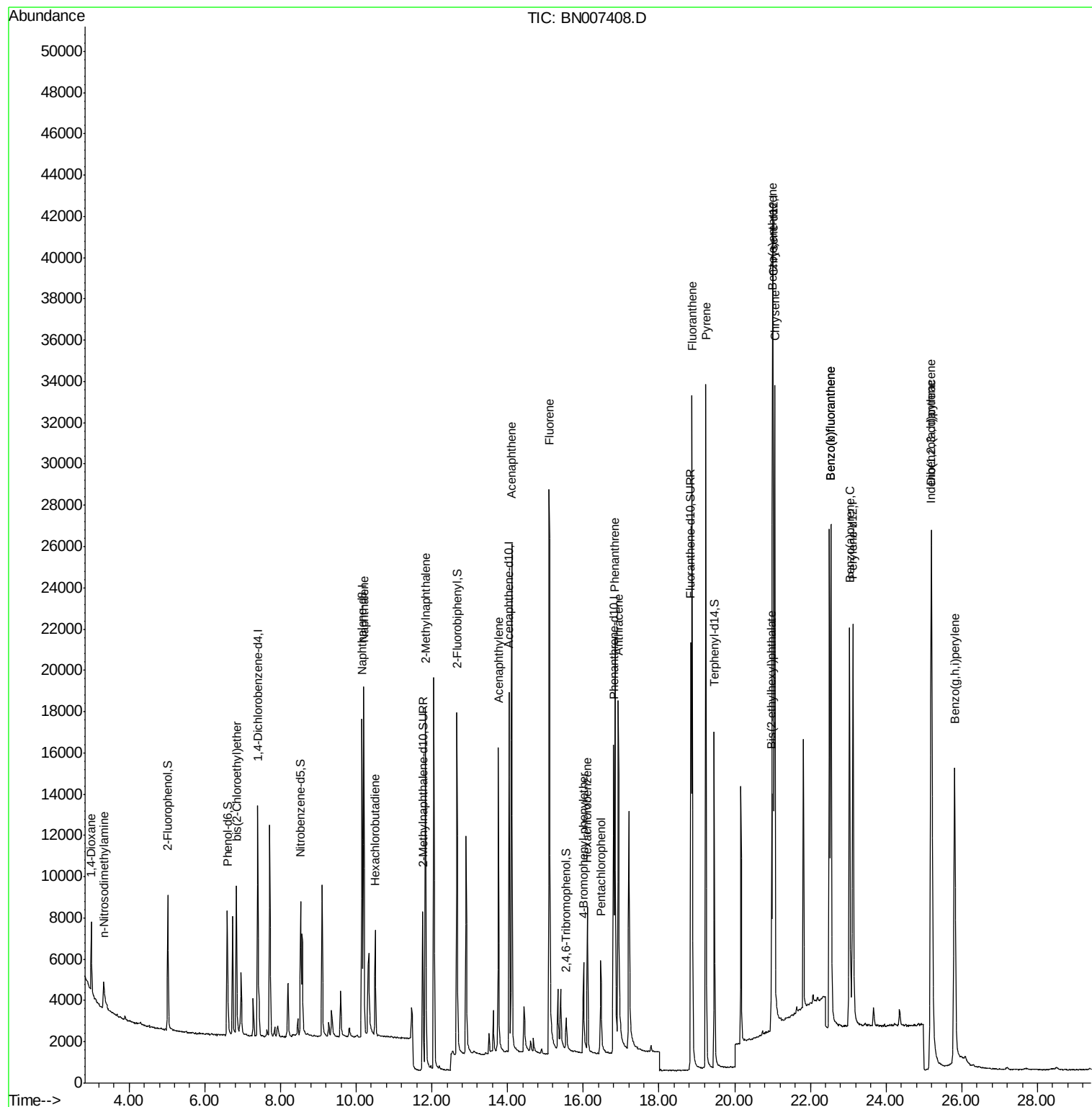
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.01	88	3432	0.379	ng	# 73
3) n-Nitrosodimethylamine	3.32	42	1139	0.270	ng	82
6) bis(2-Chloroethyl)ether	6.84	93	6670	0.338	ng	95
9) Naphthalene	10.20	128	21413	0.352	ng	# 90
10) Hexachlorobutadiene	10.51	225	4149	0.333	ng	# 98
12) 2-Methylnaphthalene	11.83	142	14051	0.339	ng	95
16) Acenaphthylene	13.76	152	20731	0.322	ng	99
17) Acenaphthene	14.11	154	13232	0.352	ng	97
18) Fluorene	15.10	166	16325	0.343	ng	99
20) 4-Bromophenyl-phenylether	16.01	248	2186	0.224	ng	94
21) Hexachlorobenzene	16.11	284	6016	0.363	ng	97
22) Pentachlorophenol	16.46	266	3251	0.631	ng	# 64
23) Phenanthrene	16.84	178	25502	0.343	ng	99
24) Anthracene	16.93	178	22887	0.306	ng	99
26) Fluoranthene	18.87	202	32161	0.337	ng	100
28) Pyrene	19.24	202	33075	0.319	ng	99
30) Benzo(a)anthracene	21.01	228	28410	0.281	ng	99
31) Chrysene	21.06	228	31642	0.324	ng	99
32) Bis(2-ethylhexyl)phthalate	20.97	149	12425	0.171	ng	99
33) Indeno(1,2,3-cd)pyrene	25.18	276	36901	0.314	ng	99
35) Benzo(b)fluoranthene	22.55	252	32447	0.346	ng	99
36) Benzo(k)fluoranthene	22.55	252	32447	0.350	ng	# 96
37) Benzo(a)pyrene	23.03	252	28736	0.322	ng	# 96
38) Dibenzo(a,h)anthracene	25.20	278	29360	0.329	ng	98
39) Benzo(g,h,i)perylene	25.81	276	30704	0.346	ng	98

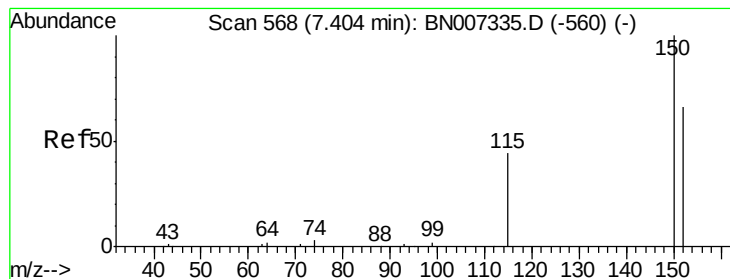
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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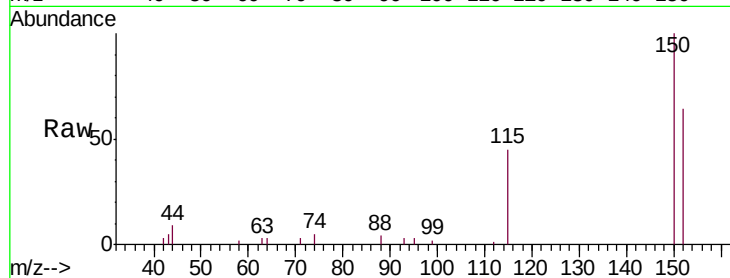


#1

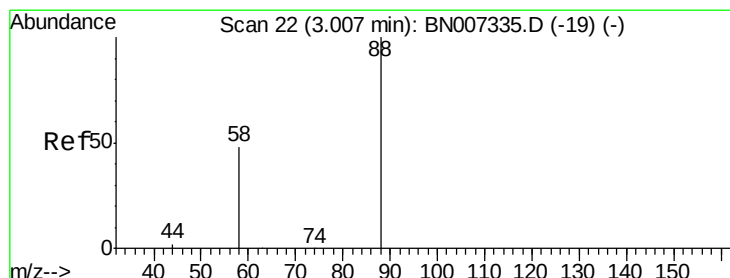
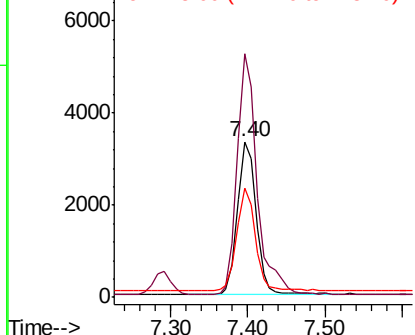
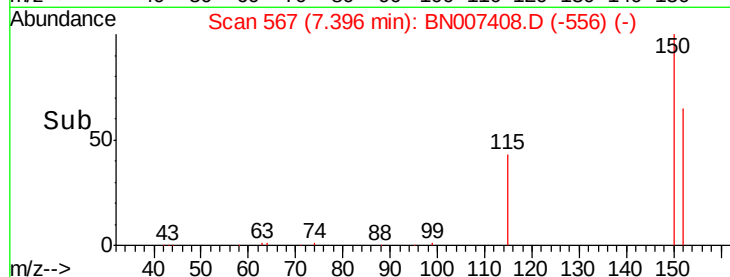
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007408.D
Acq: 26 Aug 2019 13:30

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 5456
Ion Ratio Lower Upper
152 100
150 156.7 109.1 163.7
115 70.3 59.6 89.4



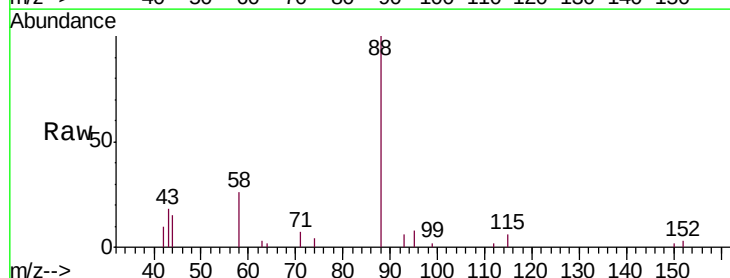
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



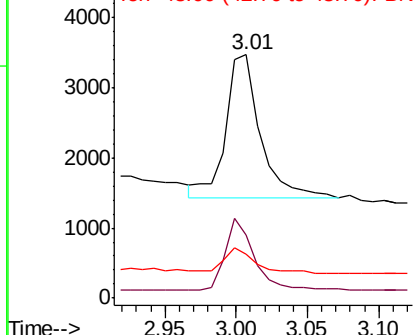
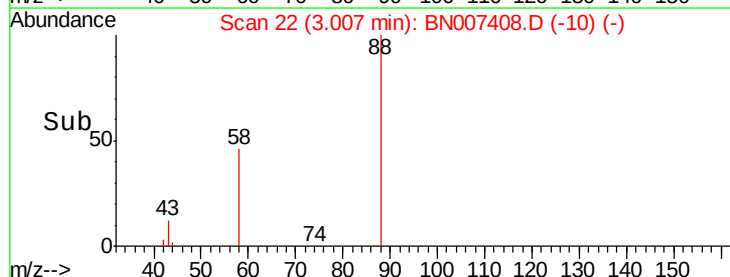
#2

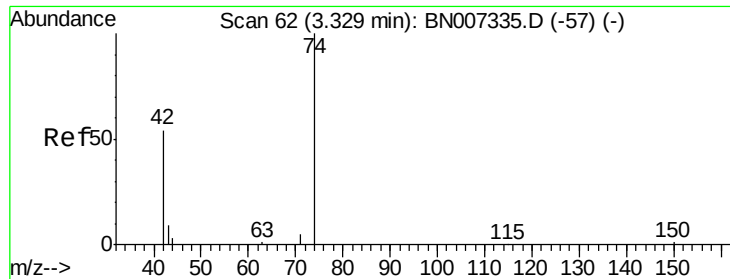
1,4-Dioxane
Concen: 0.379 ng
RT: 3.01 min Scan# 22
Delta R.T. 0.00 min
Lab File: BN007408.D
Acq: 26 Aug 2019 13:30

Tgt Ion: 88 Resp: 3432
Ion Ratio Lower Upper
88 100
58 42.2 50.5 75.7#
43 15.7 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



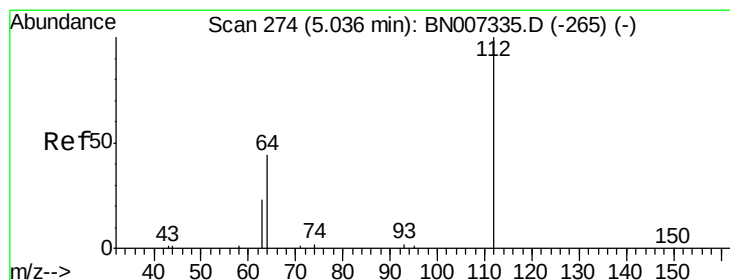
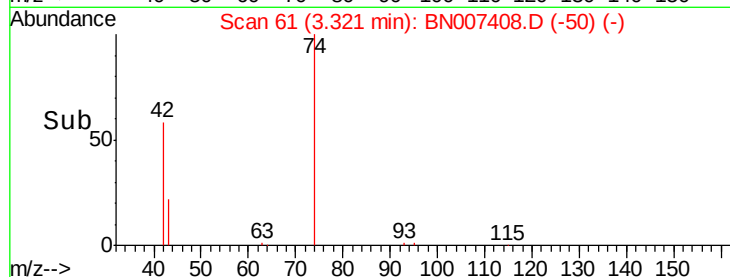
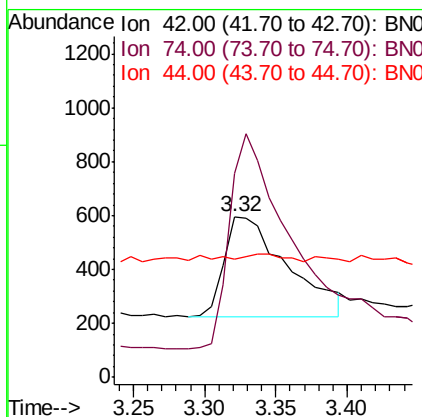
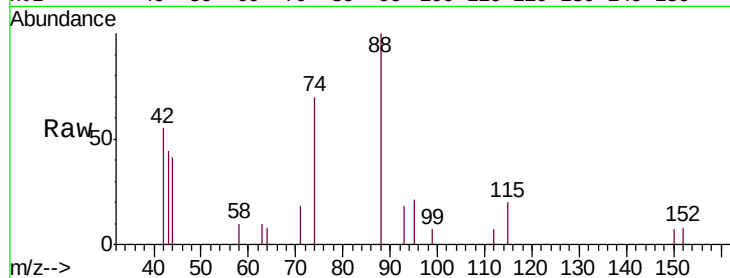


#3

n-Nitrosodimethylamine
 Concen: 0.270 ng
 RT: 3.32 min Scan# 61
 Delta R.T. -0.01 min
 Lab File: BN007408.D
 Acq: 26 Aug 2019 13:30

Instrument :
 BNA_N
 ClientSampleId :

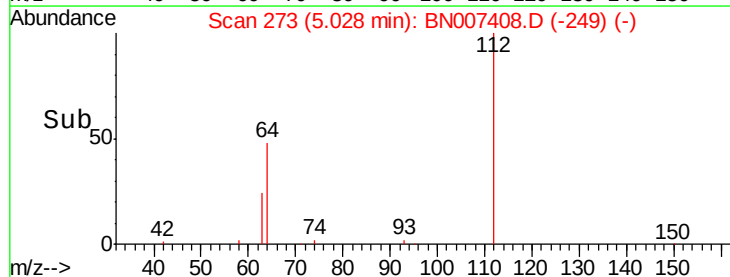
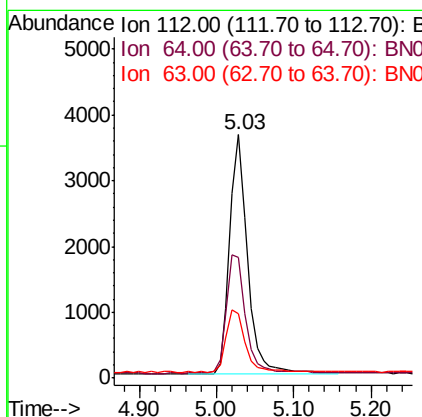
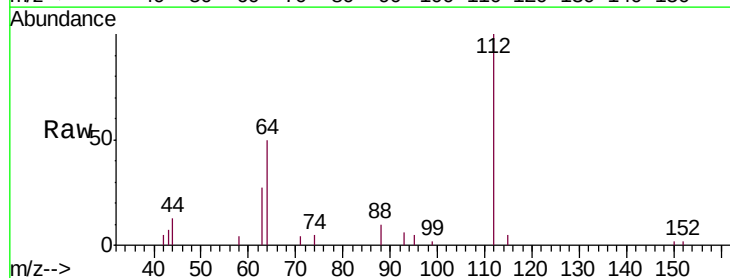
Tot Ion: 42 Resp: 1139
 Ion Ratio Lower Upper
 42 100
 74 206.8 144.7 217.1
 44 4.5 3.2 4.8

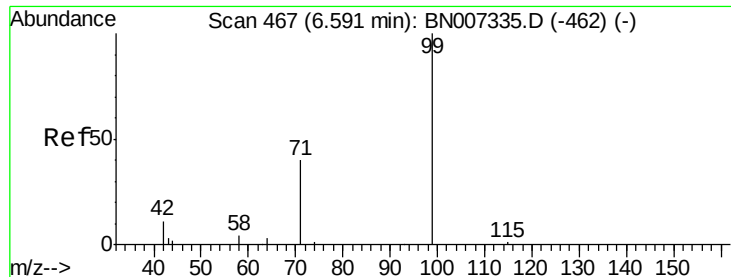


#4

2-Fluorophenol
 Concen: 0.302 ng
 RT: 5.03 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: BN007408.D
 Acq: 26 Aug 2019 13:30

Tgt Ion: 112 Resp: 5854
 Ion Ratio Lower Upper
 112 100
 64 53.3 42.3 63.5
 63 27.9 23.6 35.4





#5

Phenol-d6

Concen: 0.275 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

Instrument :

BNA_N

ClientSampled :

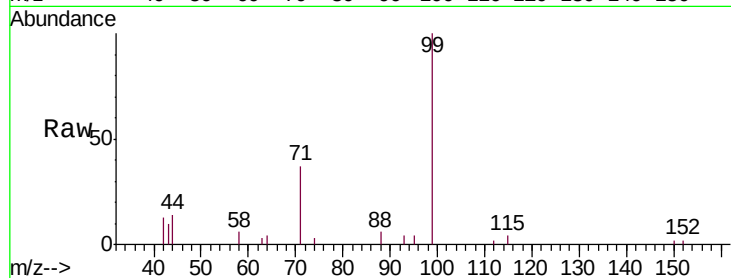
Tot Ion: 99 Resp: 6860

Ion Ratio Lower Upper

99 100

42 11.5 11.2 16.8

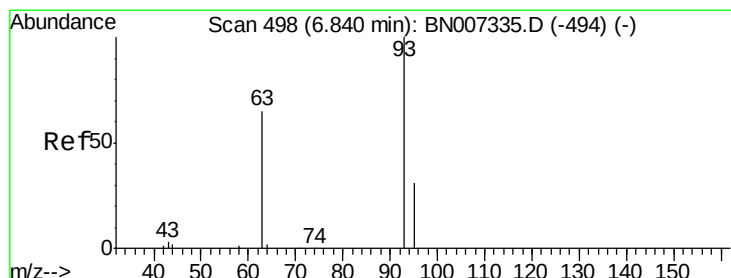
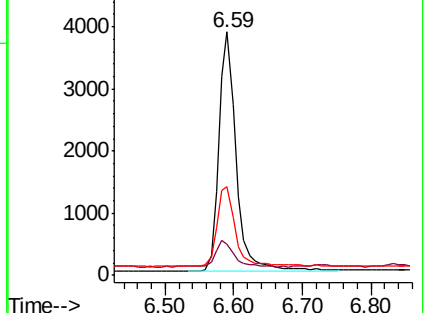
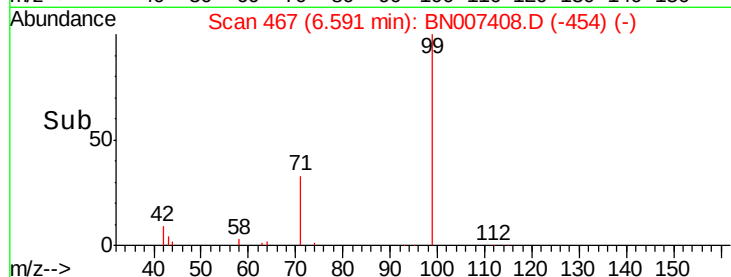
71 33.9 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007408.D (-454) (-)

Ion 42.00 (41.70 to 42.70): BN007408.D (-454) (-)

Ion 71.00 (70.70 to 71.70): BN007408.D (-454) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.338 ng

RT: 6.84 min Scan# 498

Delta R.T. 0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

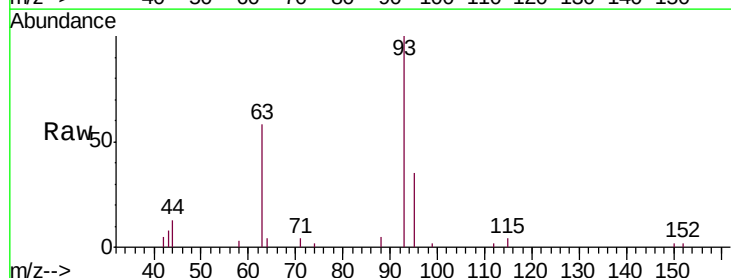
Tgt Ion: 93 Resp: 6670

Ion Ratio Lower Upper

93 100

63 61.4 51.9 77.9

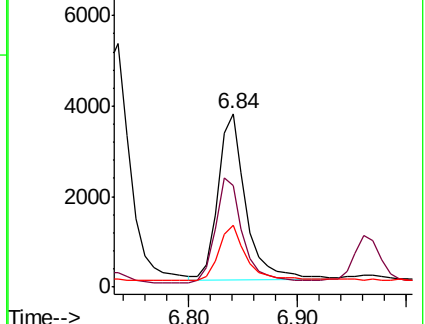
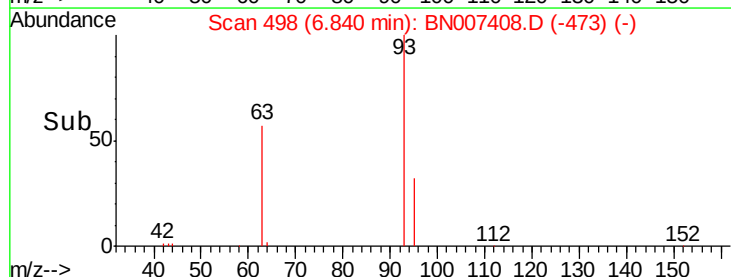
95 31.4 27.7 41.5

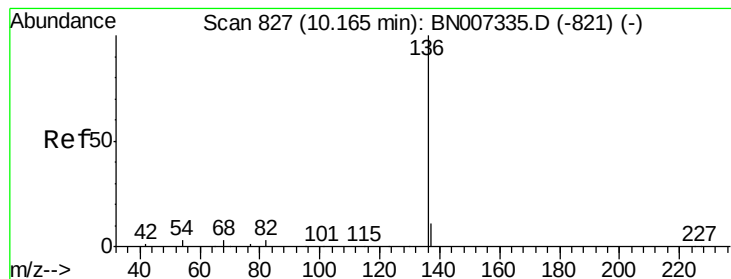


Abundance Ion 93.00 (92.70 to 93.70): BN007408.D (-473) (-)

Ion 63.00 (62.70 to 63.70): BN007408.D (-473) (-)

Ion 95.00 (94.70 to 95.70): BN007408.D (-473) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 21297

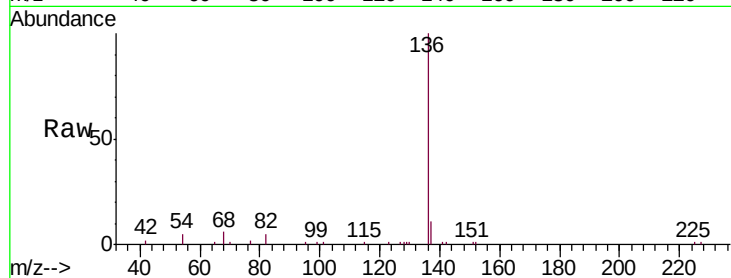
Ion Ratio Lower Upper

136 100

137 11.4 12.9 19.3#

54 4.7 8.6 12.8#

68 6.1 17.0 25.4#

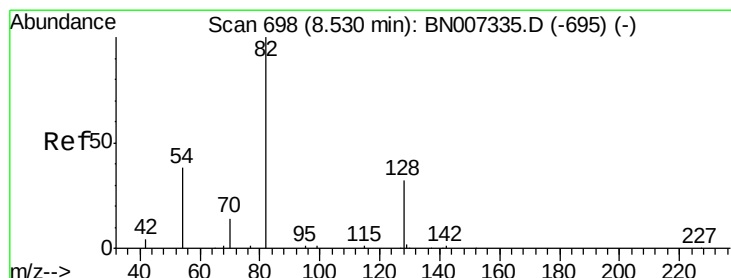
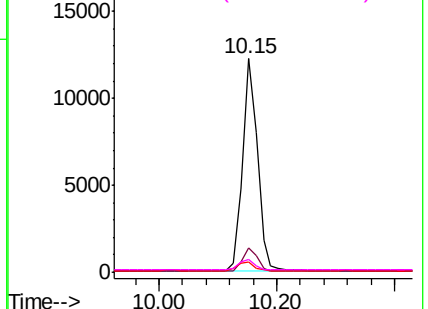
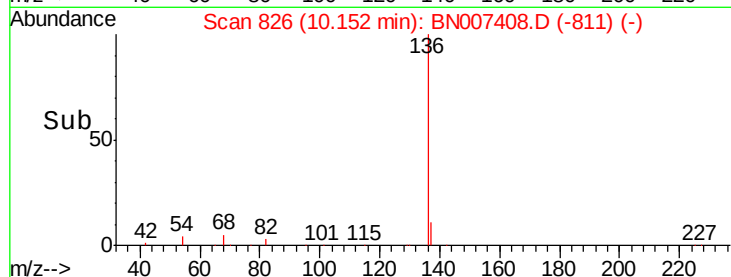


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.323 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

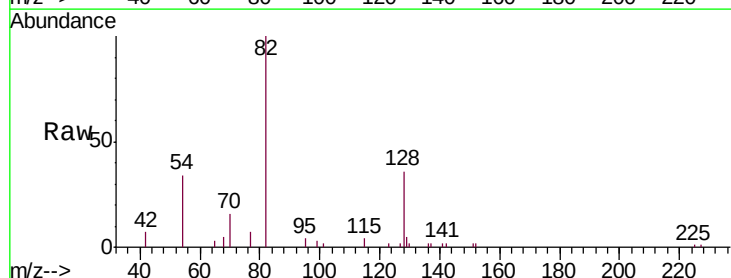
Tgt Ion: 82 Resp: 5978

Ion Ratio Lower Upper

82 100

128 36.0 19.7 29.5#

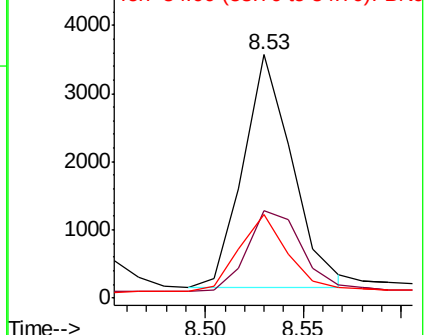
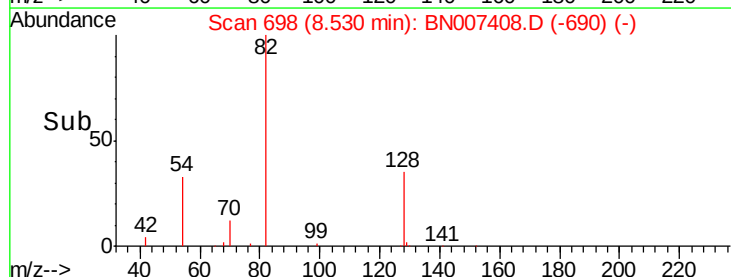
54 34.2 25.8 38.6

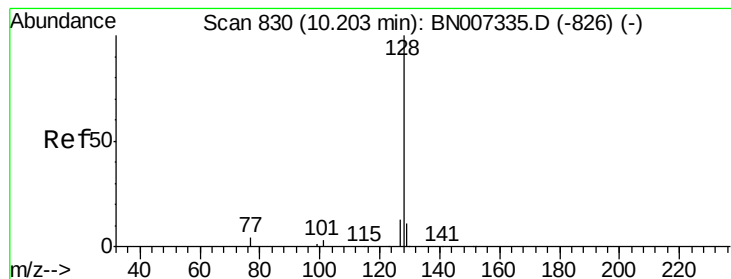


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.352 ng

RT: 10.20 min Scan# 830

Delta R.T. 0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

Instrument :

BNA_N

ClientSampleId :

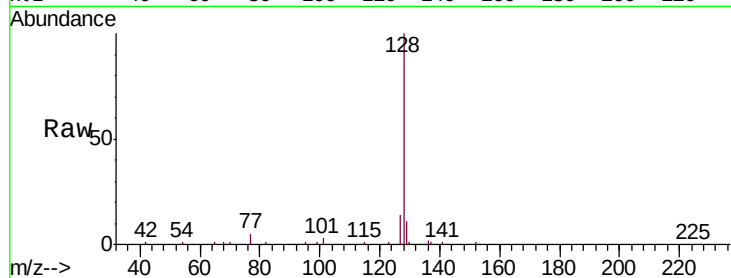
Tot Ion:128 Resp: 21413

Ion Ratio Lower Upper

128 100

129 11.5 11.1 16.7

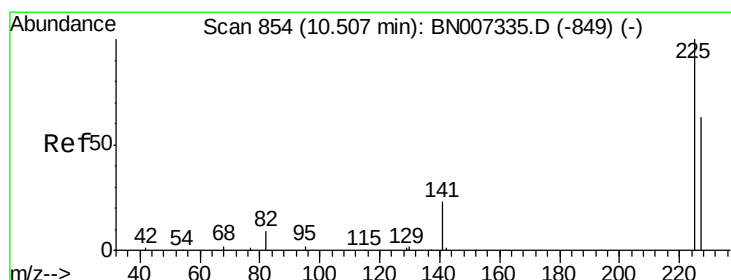
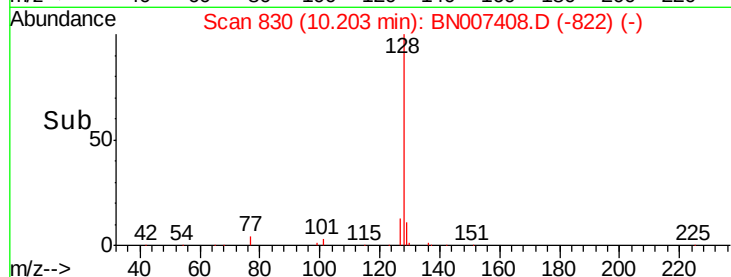
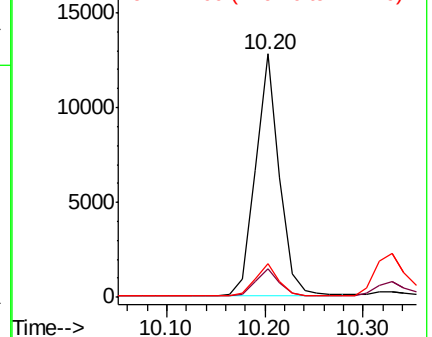
127 13.6 15.5 23.3#



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: 0.333 ng

RT: 10.51 min Scan# 854

Delta R.T. 0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

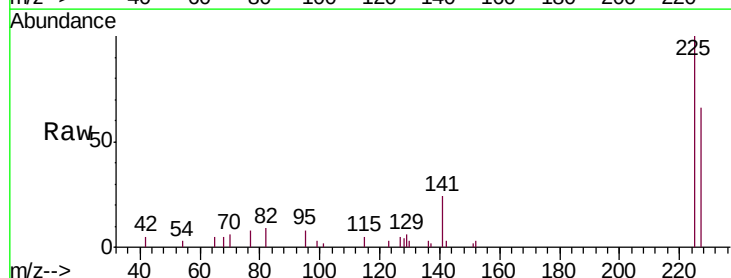
Tgt Ion:225 Resp: 4149

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

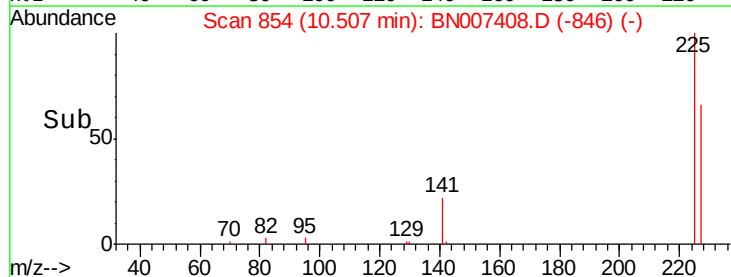
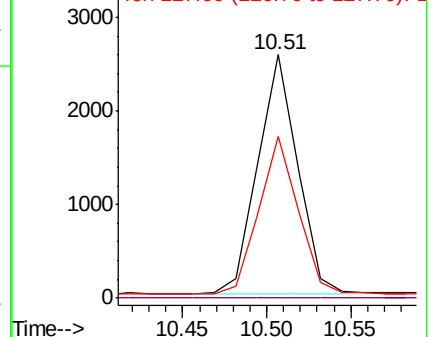
227 64.8 50.7 76.1

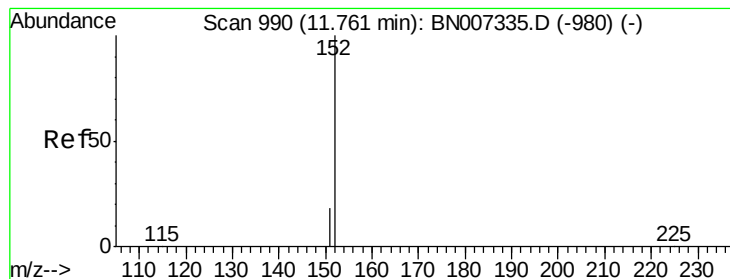


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.339 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

Instrument :

BNA_N

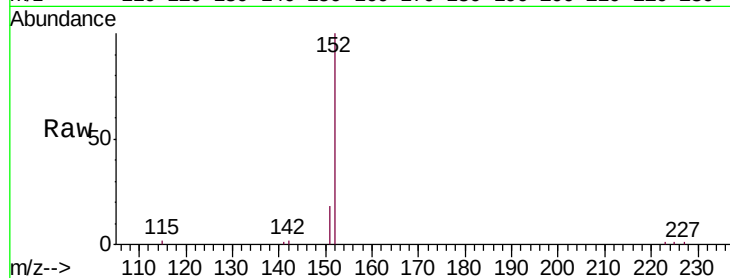
ClientSampleId :

Tot Ion:152 Resp: 11997

Ion Ratio Lower Upper

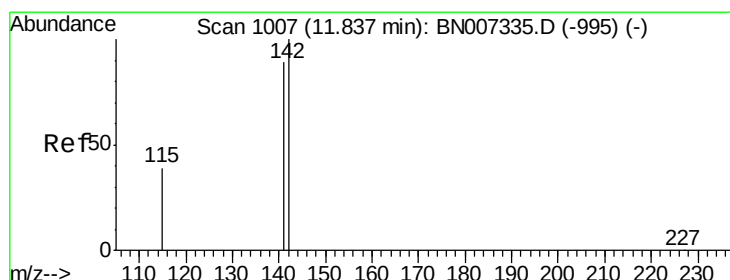
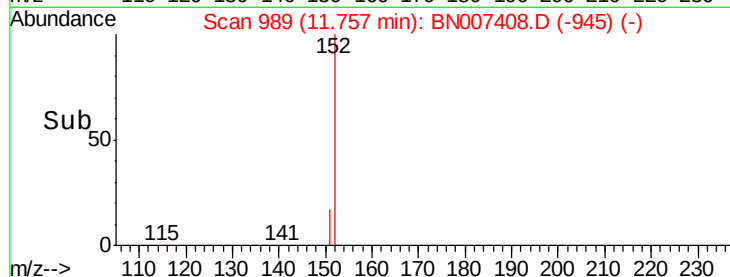
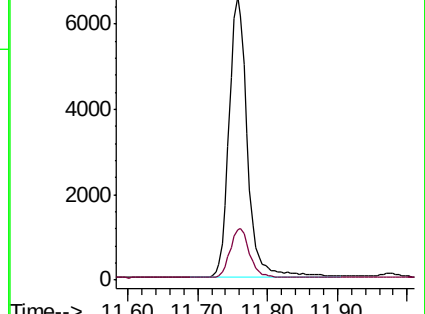
152 100

151 19.0 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: 0.339 ng

RT: 11.83 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

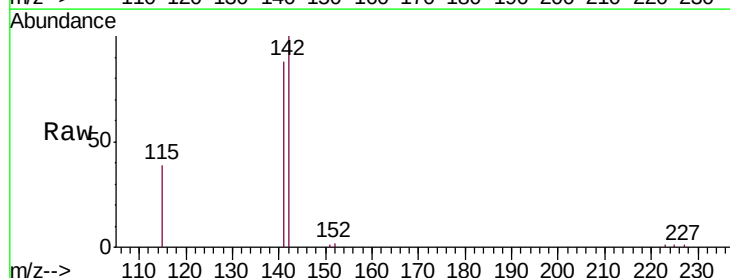
Tgt Ion:142 Resp: 14051

Ion Ratio Lower Upper

142 100

141 88.3 72.8 109.2

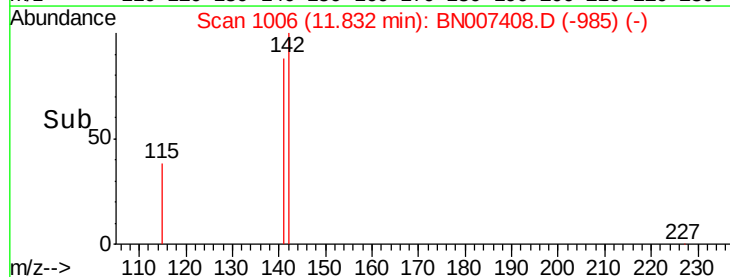
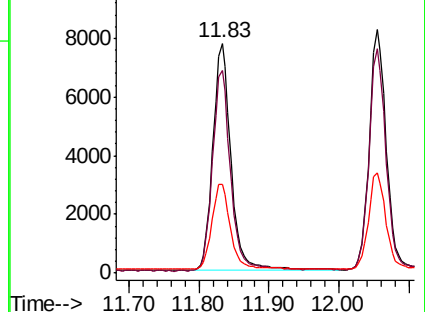
115 38.9 35.2 52.8

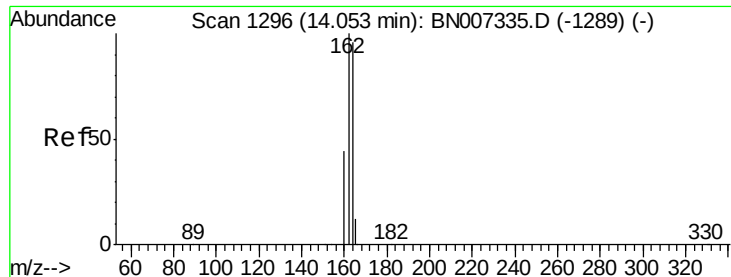


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.04 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

Instrument :

BNA_N

ClientSampleId :

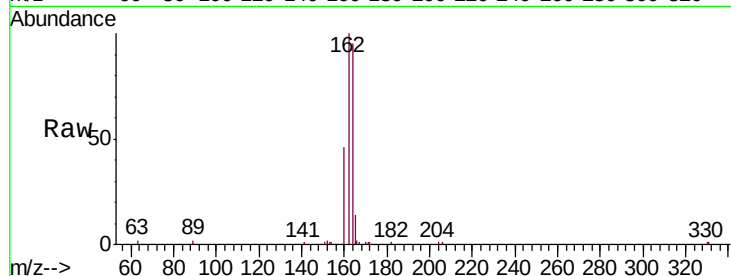
Tot Ion:164 Resp: 10868

Ion Ratio Lower Upper

164 100

162 105.6 83.5 125.3

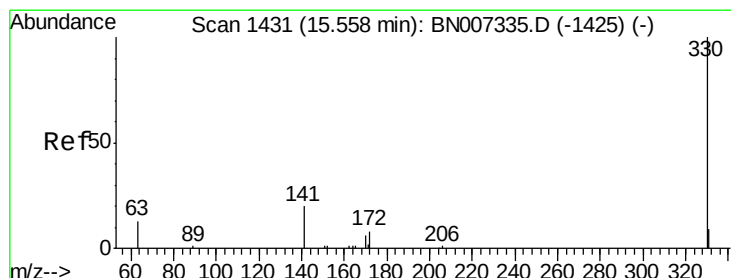
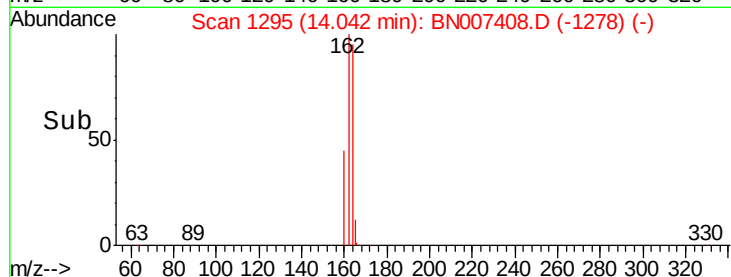
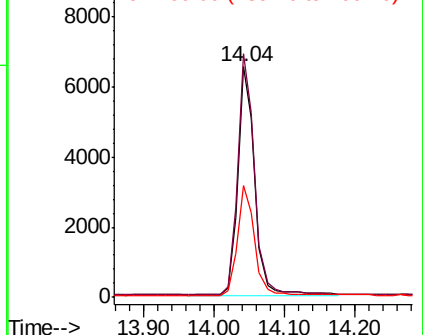
160 48.2 38.2 57.4



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: 0.305 ng

RT: 15.55 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

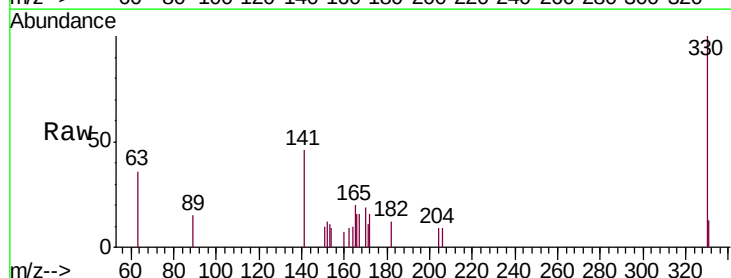
Tgt Ion:330 Resp: 1734

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

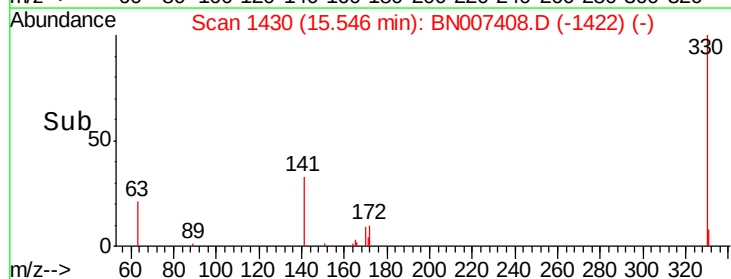
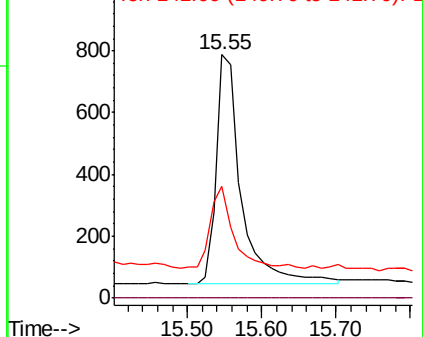
141 32.8 26.9 40.3

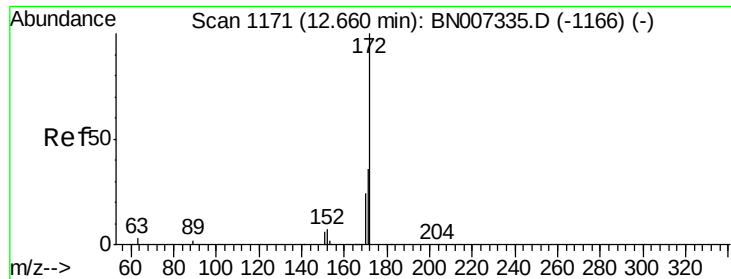


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

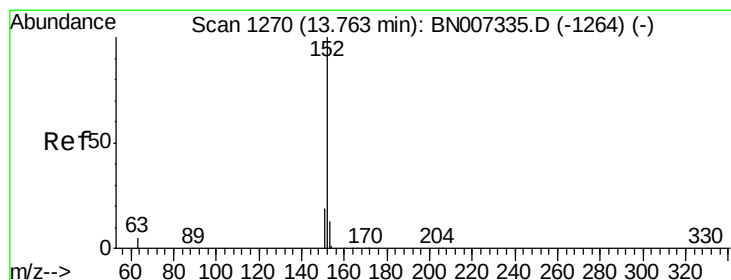
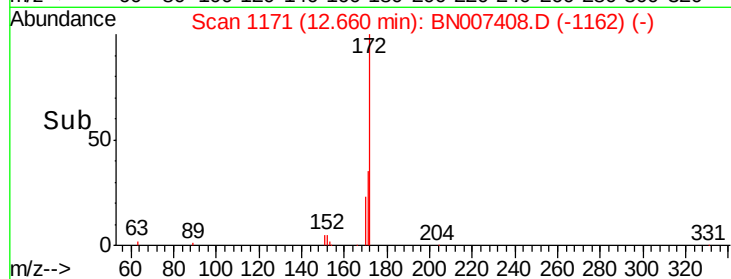
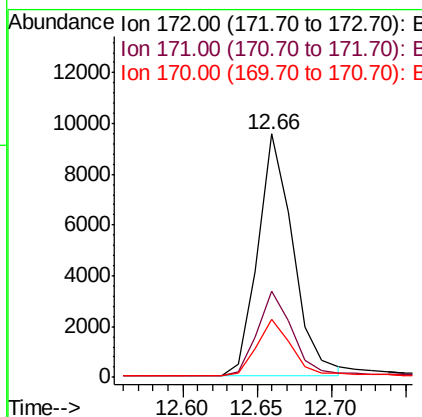
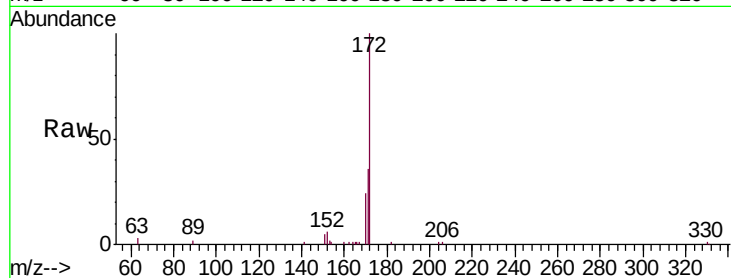




#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 12.66 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BN007408.D
Acq: 26 Aug 2019 13:30

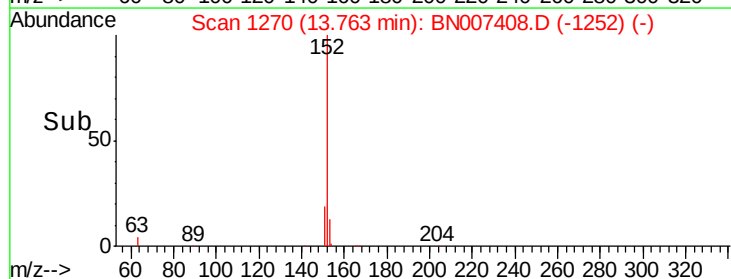
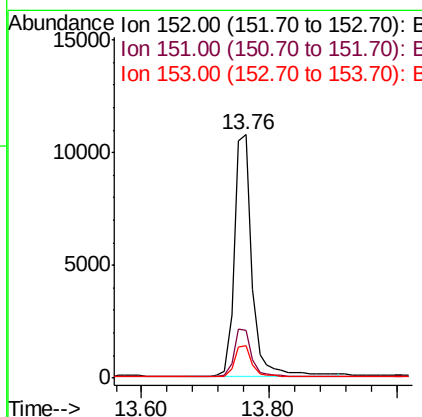
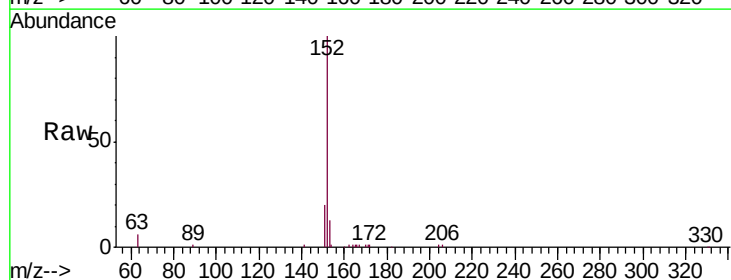
Instrument :
BNA_N
ClientSampleId :

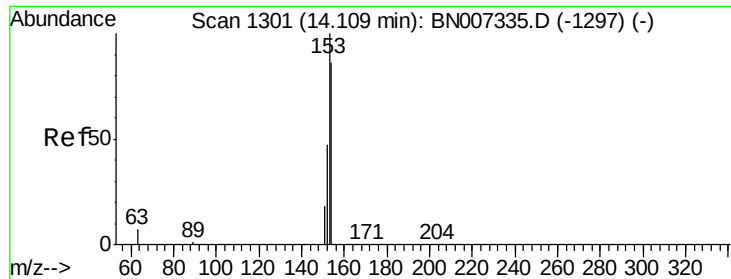
Tot Ion:172 Resp: 15722
Ion Ratio Lower Upper
172 100
171 35.5 30.3 45.5
170 23.8 20.7 31.1



#16
Acenaphthylene
Concen: 0.322 ng
RT: 13.76 min Scan# 1270
Delta R.T. 0.00 min
Lab File: BN007408.D
Acq: 26 Aug 2019 13:30

Tgt Ion:152 Resp: 20731
Ion Ratio Lower Upper
152 100
151 19.8 16.1 24.1
153 13.0 10.6 15.8





#17

Acenaphthene

Concen: 0.352 ng

RT: 14.11 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

Instrument :

BNA_N

ClientSampleId :

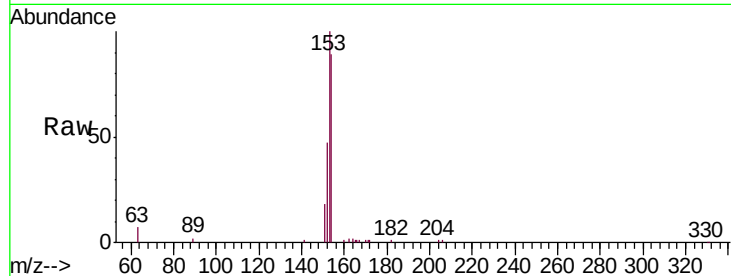
Tot Ion:154 Resp: 13232

Ion Ratio Lower Upper

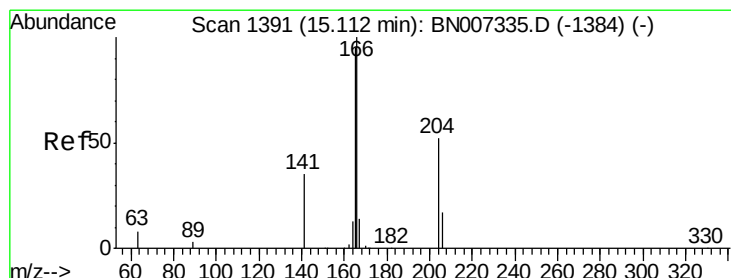
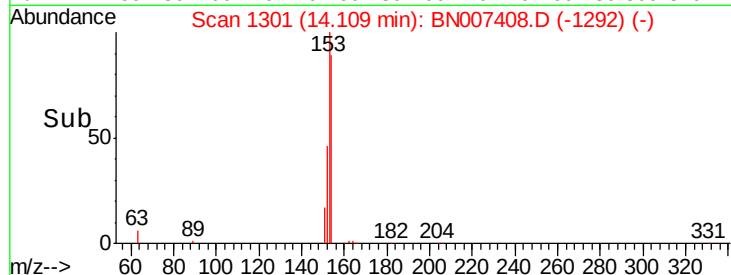
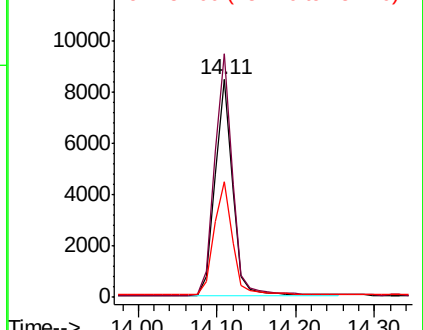
154 100

153 112.7 92.8 139.2

152 53.4 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: 0.343 ng

RT: 15.10 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

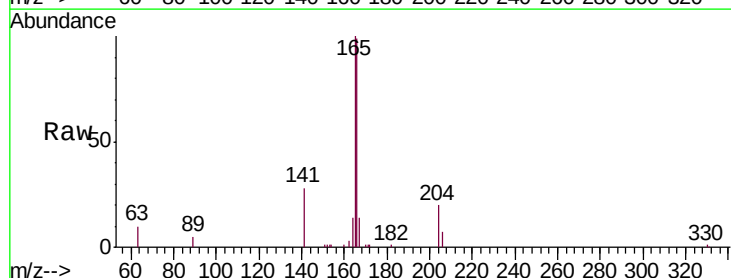
Tgt Ion:166 Resp: 16325

Ion Ratio Lower Upper

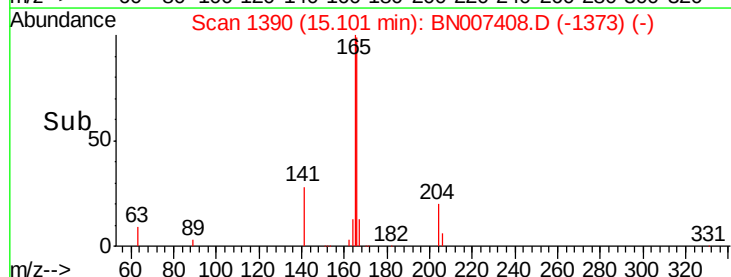
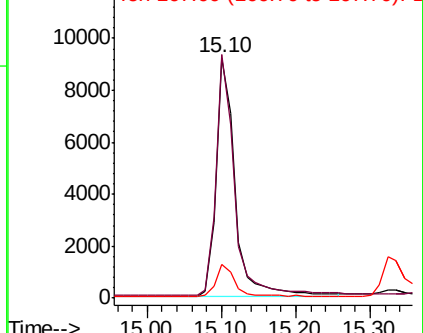
166 100

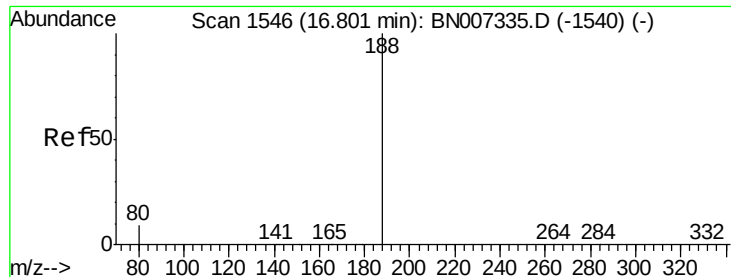
165 97.8 79.0 118.4

167 13.4 10.6 15.8



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: 16.80 min Scan# 1546

Delta R.T. 0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

Instrument :

BNA_N

ClientSampleId :

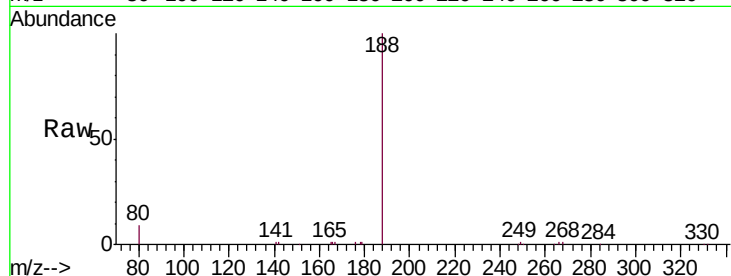
Tot Ion:188 Resp: 24737

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

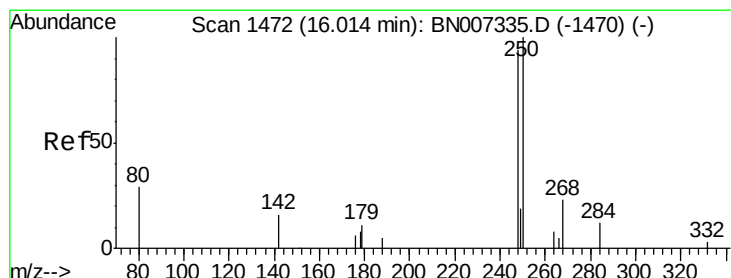
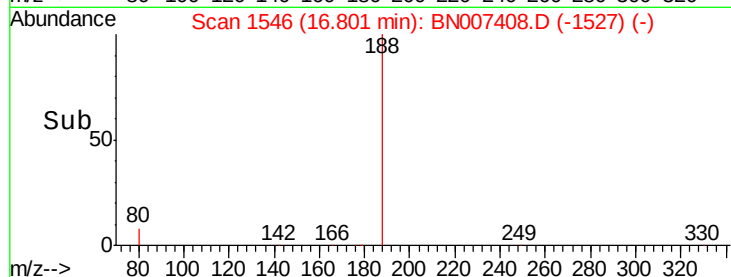
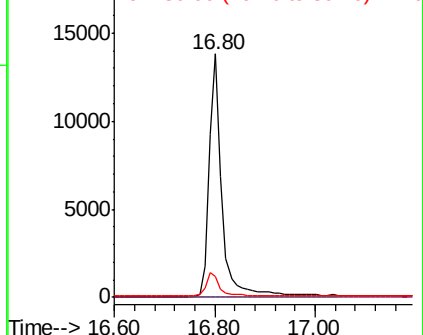
80 8.8 11.8 17.8#



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: 0.224 ng

RT: 16.01 min Scan# 1472

Delta R.T. 0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

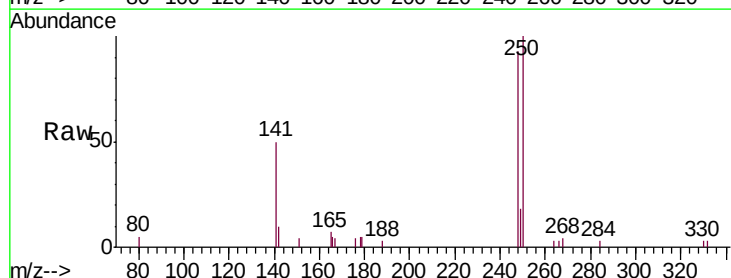
Tgt Ion:248 Resp: 2186

Ion Ratio Lower Upper

248 100

250 107.5 85.0 127.6

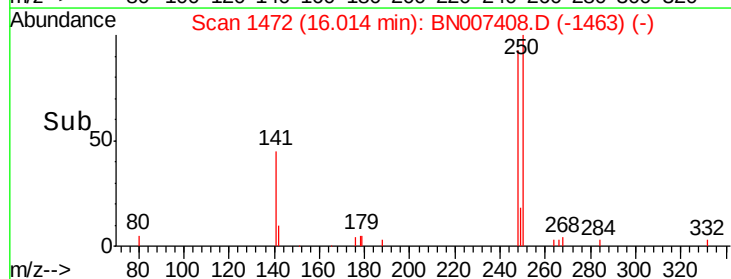
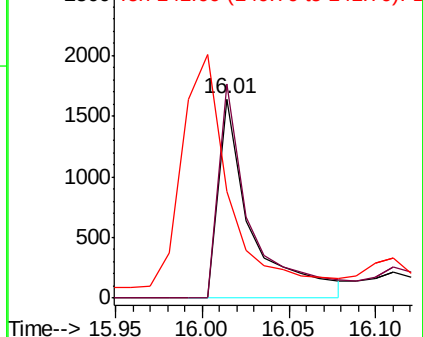
141 53.3 51.7 77.5

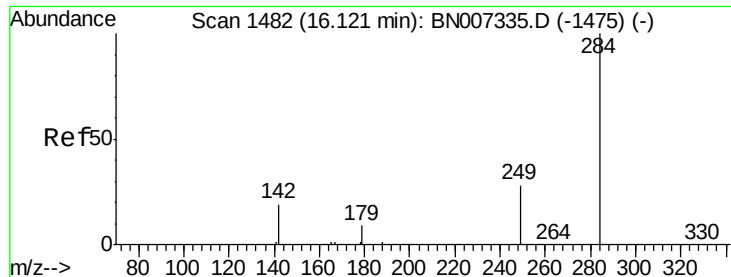


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

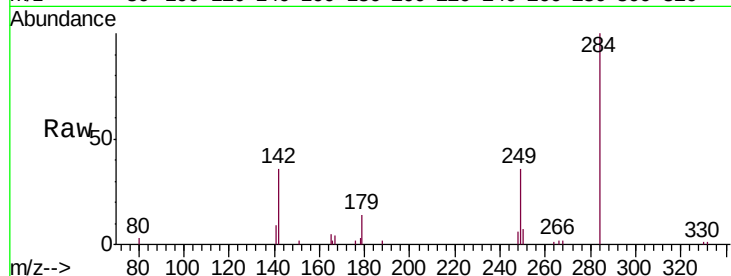




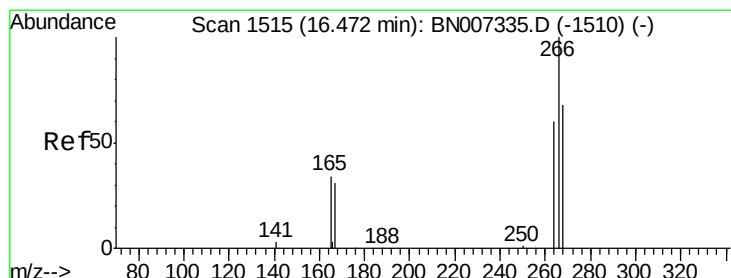
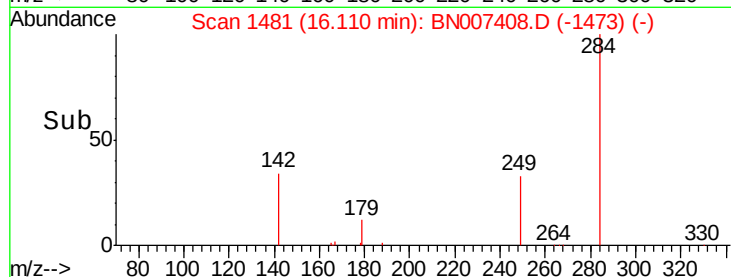
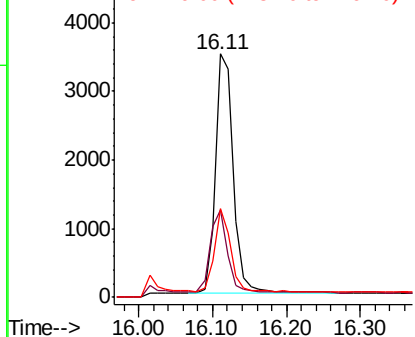
#21
Hexachlorobenzene
Concen: 0.363 ng
RT: 16.11 min Scan# 1481
Delta R.T. -0.01 min
Lab File: BN007408.D
Acq: 26 Aug 2019 13:30

Instrument :
BNA_N
ClientSampleId :

Tot Ion:284 Resp: 6016
Ion Ratio Lower Upper
284 100
142 33.8 29.0 43.6
249 30.4 24.9 37.3

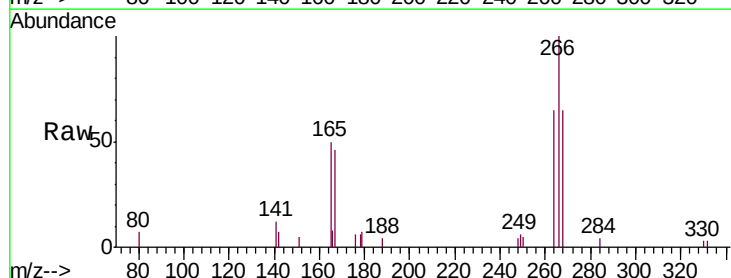


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

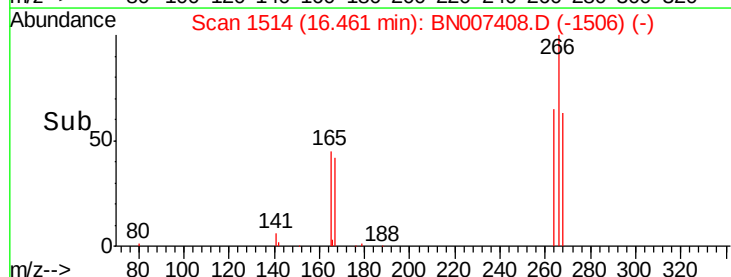
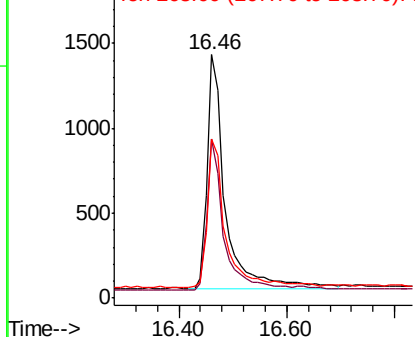


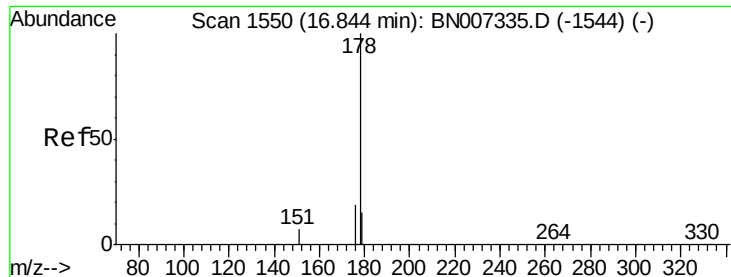
#22
Pentachlorophenol
Concen: 0.631 ng
RT: 16.46 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BN007408.D
Acq: 26 Aug 2019 13:30

Tgt Ion:266 Resp: 3251
Ion Ratio Lower Upper
266 100
264 65.4 57.8 86.8
268 65.1 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: 0.343 ng

RT: 16.84 min Scan# 1550

Delta R.T. 0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

Instrument :

BNA_N

ClientSampleId :

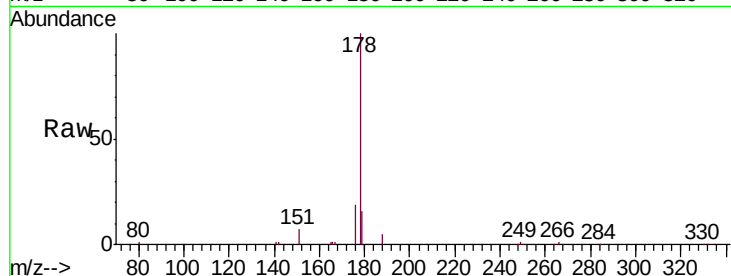
Tot Ion:178 Resp: 25502

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

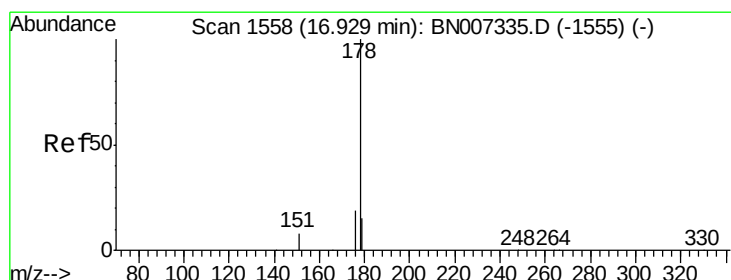
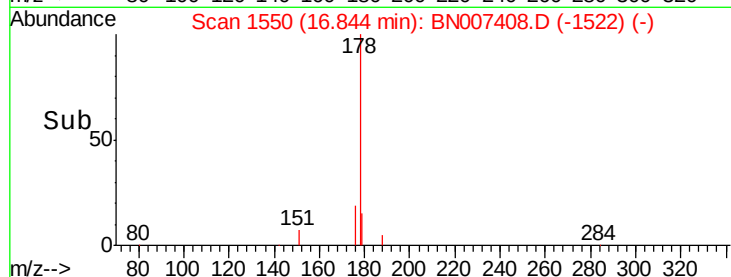
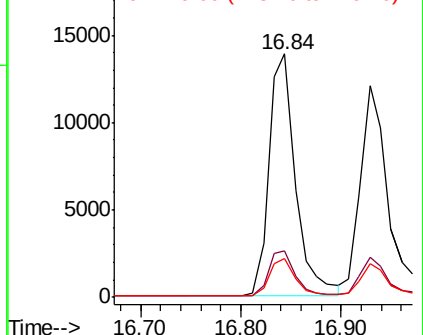
179 15.4 12.6 19.0



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: 0.306 ng

RT: 16.93 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

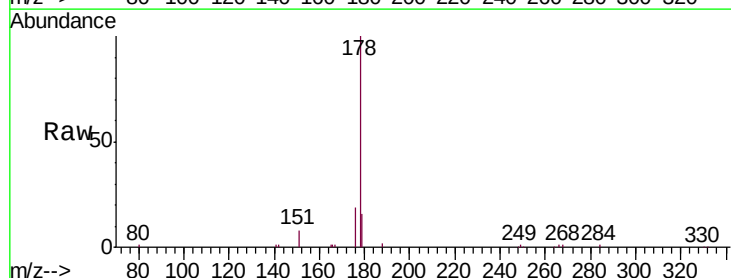
Tgt Ion:178 Resp: 22887

Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

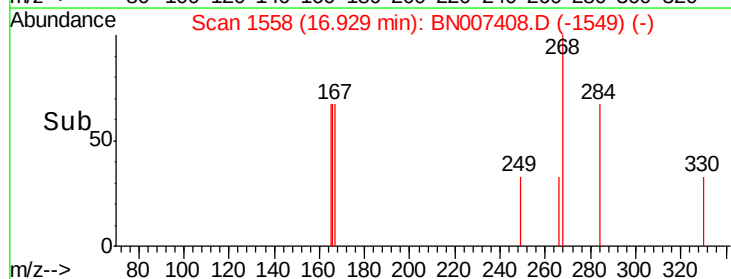
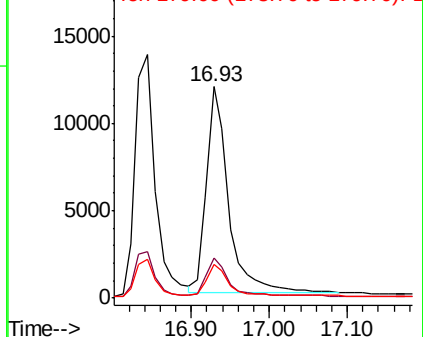
179 15.1 12.4 18.6

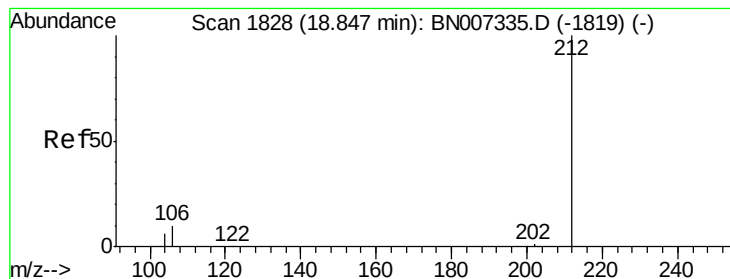


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.332 ng

RT: 18.84 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

Instrument :

BNA_N

ClientSampleId :

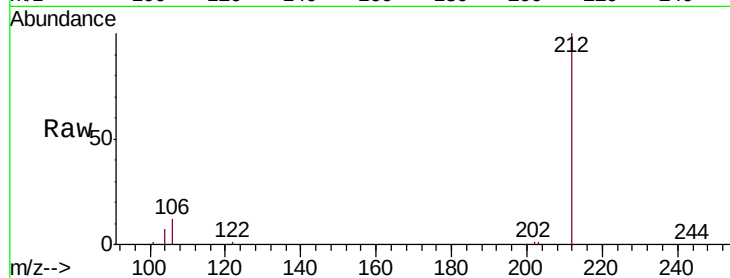
Tot Ion:212 Resp: 26481

Ion Ratio Lower Upper

212 100

106 11.5 9.0 13.4

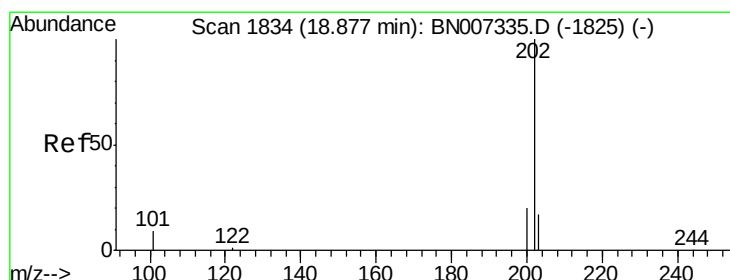
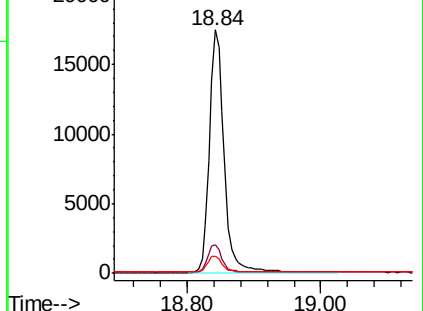
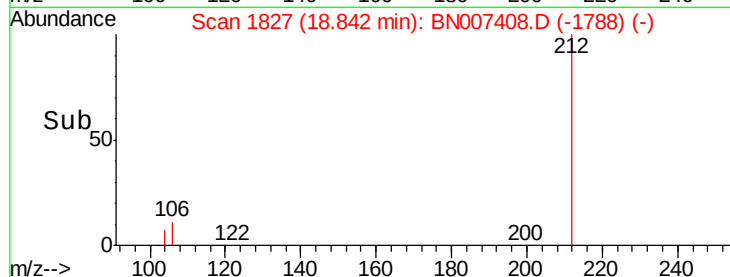
104 6.6 5.4 8.2



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: 0.337 ng

RT: 18.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

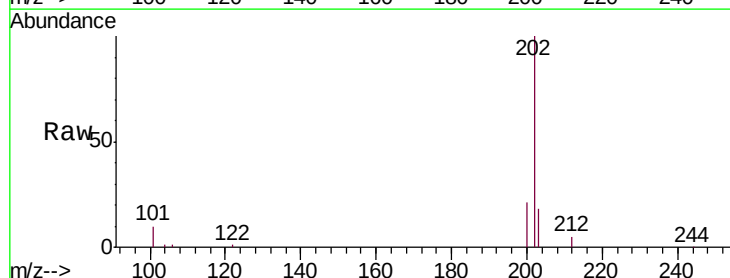
Tgt Ion:202 Resp: 32161

Ion Ratio Lower Upper

202 100

101 9.7 7.7 11.5

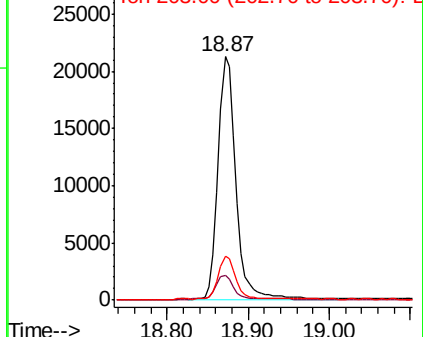
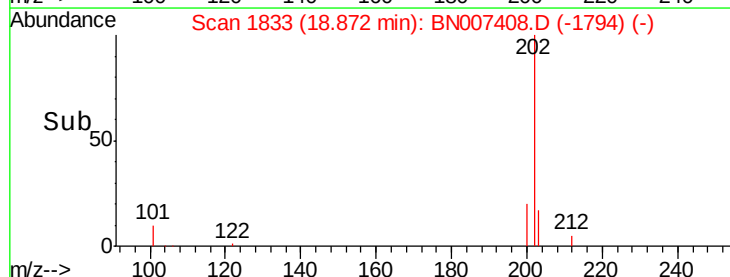
203 17.0 13.7 20.5

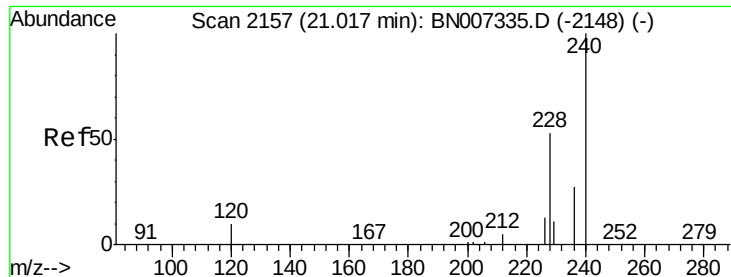


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

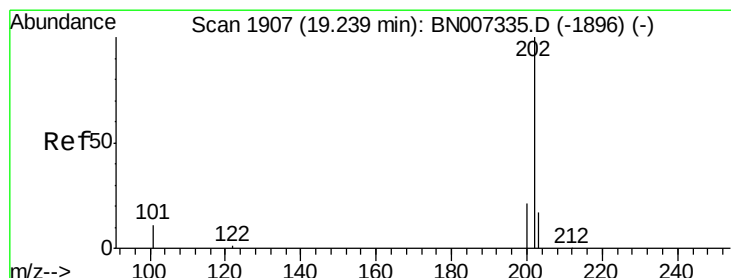
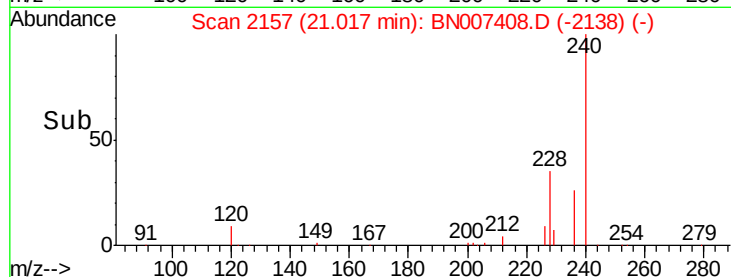
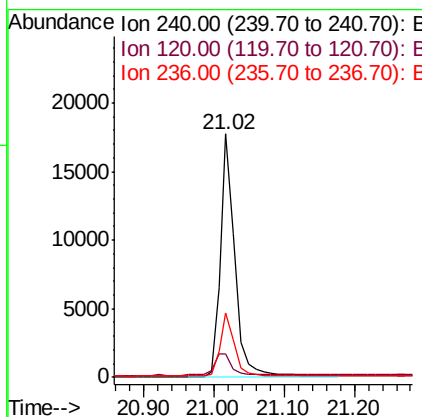
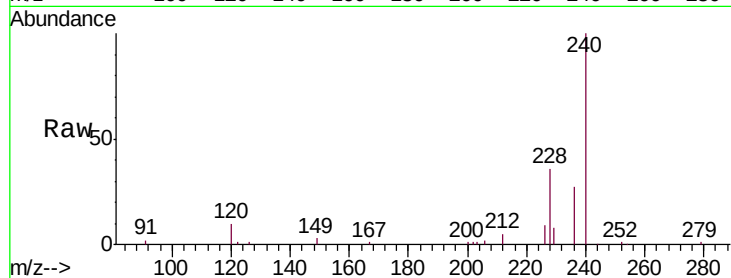




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.02 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: BN007408.D
 Acq: 26 Aug 2019 13:30

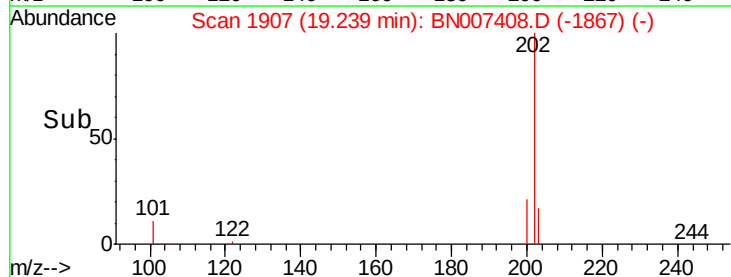
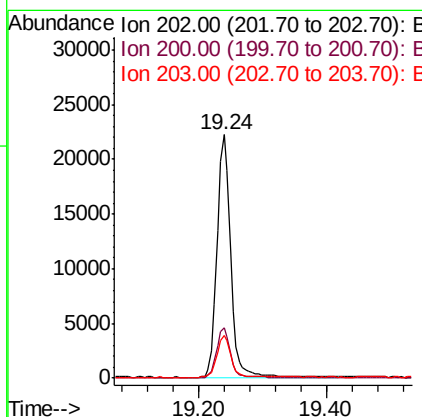
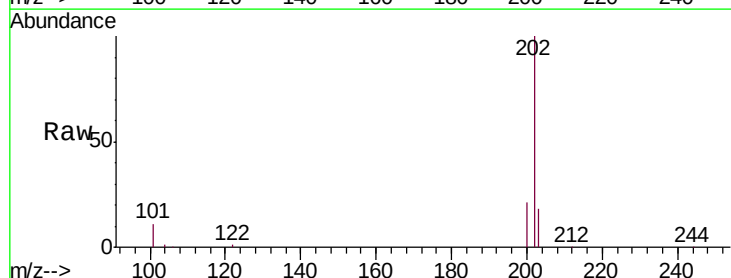
Instrument :
 BNA_N
 ClientSampleId :

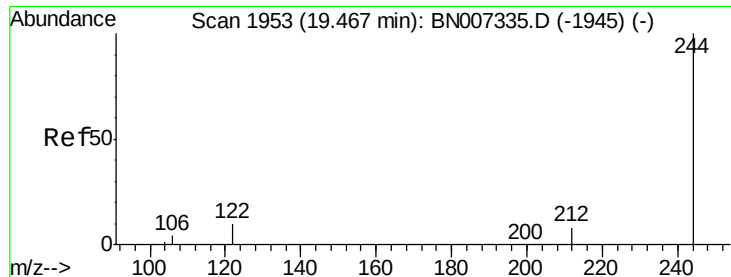
Tot Ion:240 Resp: 25755
 Ion Ratio Lower Upper
 240 100
 120 9.6 9.6 14.4#
 236 26.6 22.2 33.2



#28
 Pyrene
 Concen: 0.319 ng
 RT: 19.24 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: BN007408.D
 Acq: 26 Aug 2019 13:30

Tgt Ion:202 Resp: 33075
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.6 25.0
 203 17.5 14.2 21.4





#29

Terphenyl-d14

Concen: 0.283 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

Instrument :

BNA_N

ClientSampleId :

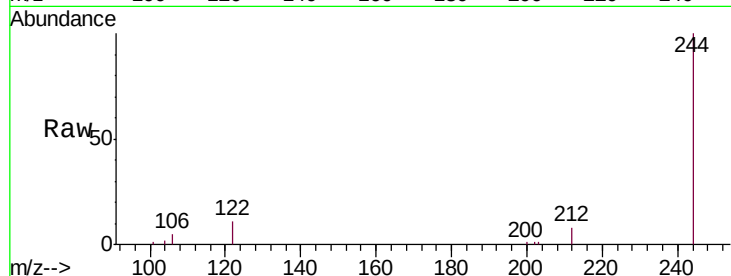
Tot Ion:244 Resp: 19060

Ion Ratio Lower Upper

244 100

212 7.9 7.0 10.6

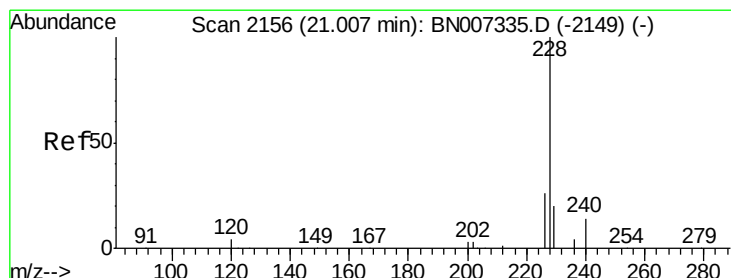
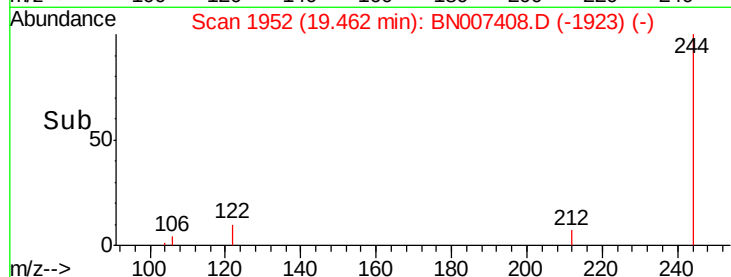
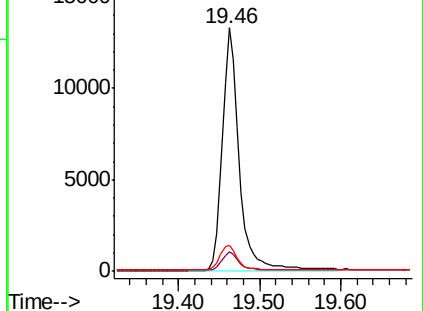
122 10.5 9.6 14.4



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: 0.281 ng

RT: 21.01 min Scan# 2156

Delta R.T. 0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

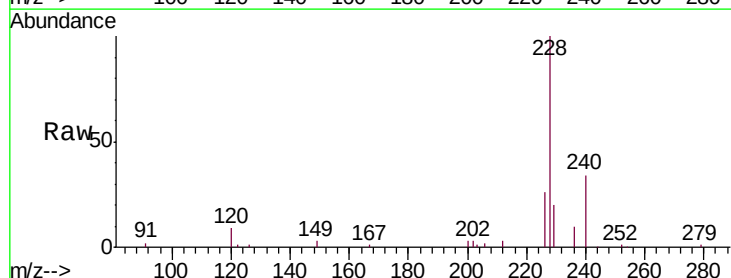
Tgt Ion:228 Resp: 28410

Ion Ratio Lower Upper

228 100

226 26.1 21.3 31.9

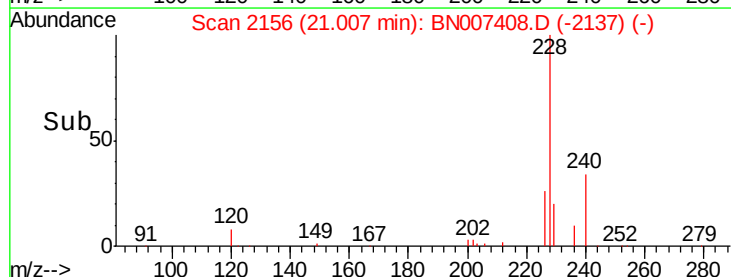
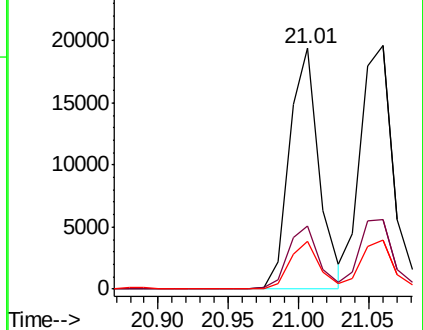
229 19.8 16.1 24.1

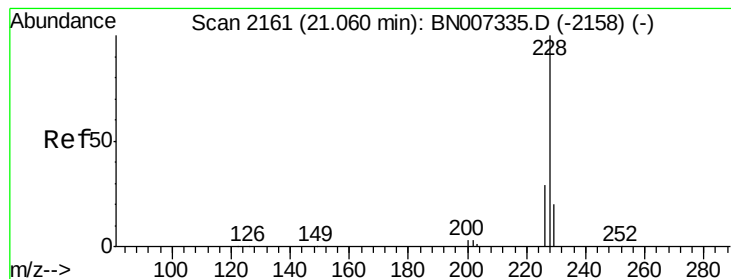


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.324 ng

RT: 21.06 min Scan# 2161

Delta R.T. 0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

Instrument :

BNA_N

ClientSampled :

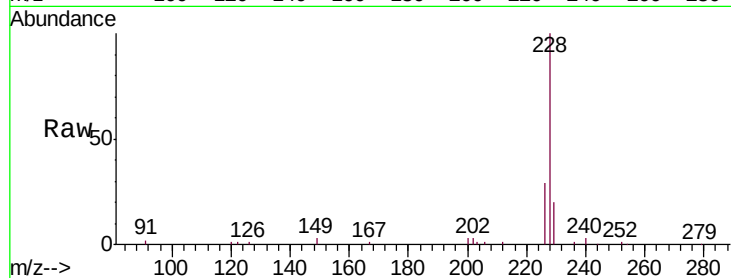
Tot Ion:228 Resp: 31642

Ion Ratio Lower Upper

228 100

226 28.6 23.5 35.3

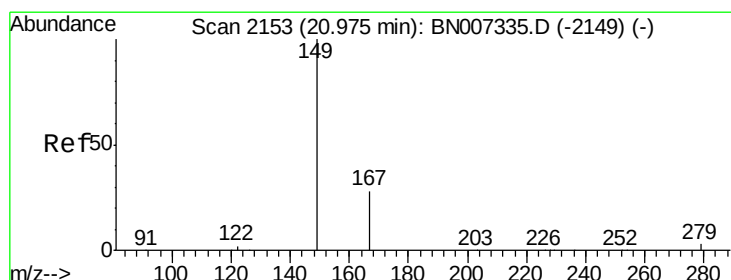
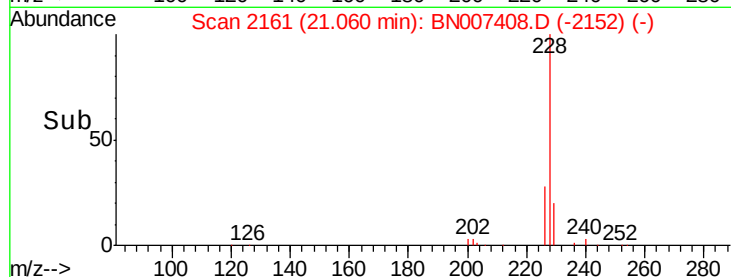
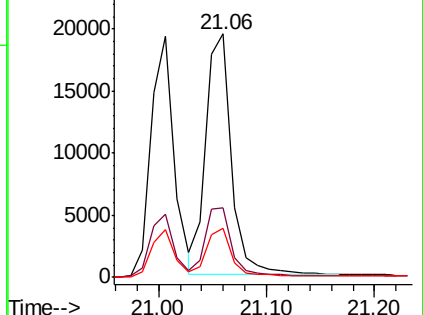
229 20.1 16.6 24.8



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: 0.171 ng

RT: 20.97 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

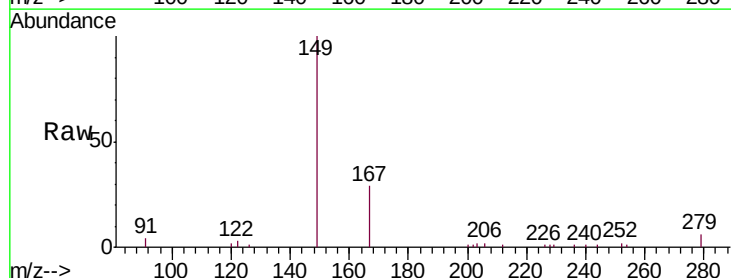
Tgt Ion:149 Resp: 12425

Ion Ratio Lower Upper

149 100

167 27.9 22.8 34.2

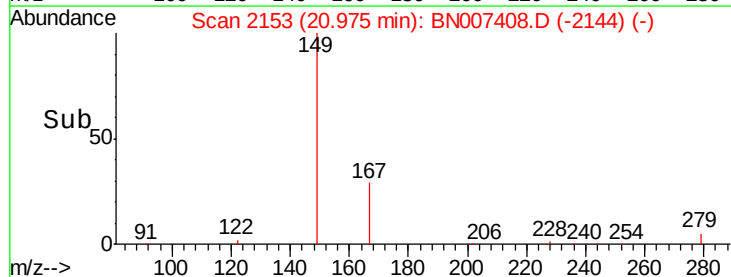
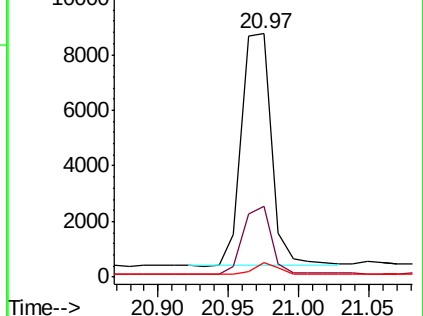
279 4.2 3.5 5.3

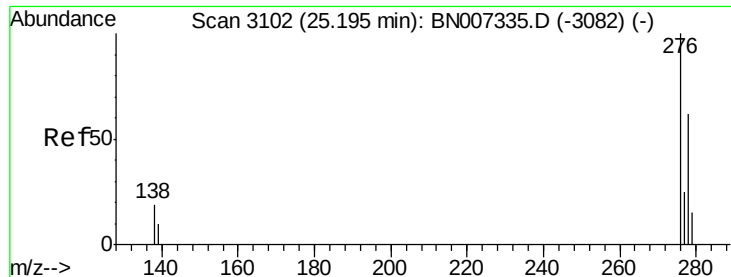


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.314 ng

RT: 25.18 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

Instrument :

BNA_N

ClientSampleId :

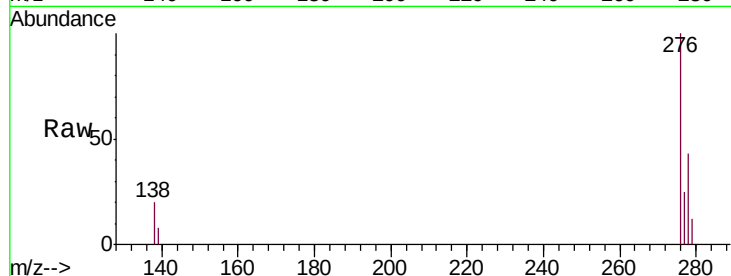
Tot Ion:276 Resp: 36901

Ion Ratio Lower Upper

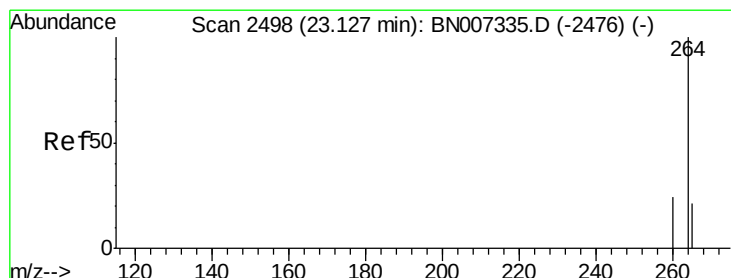
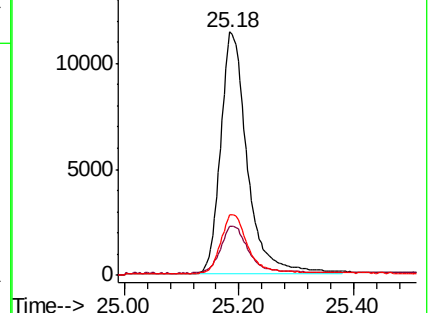
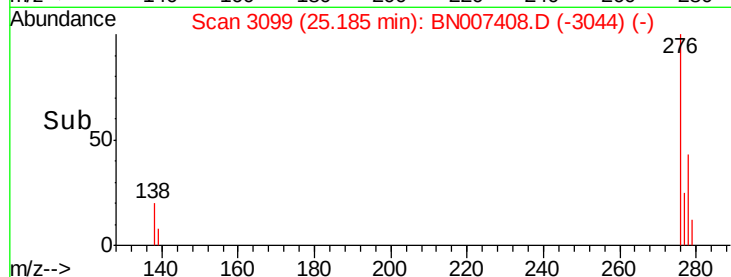
276 100

138 19.8 15.1 22.7

277 24.5 19.7 29.5



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: 23.12 min Scan# 2497

Delta R.T. -0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

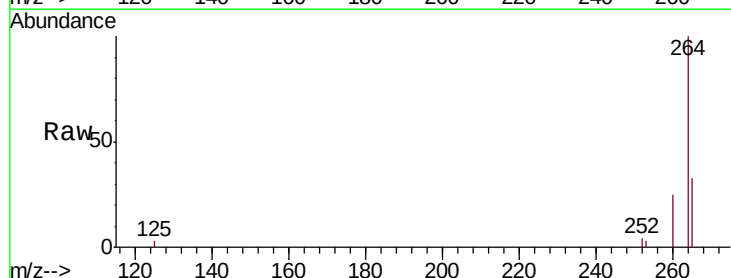
Tgt Ion:264 Resp: 25915

Ion Ratio Lower Upper

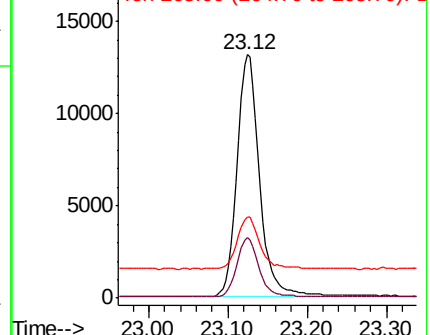
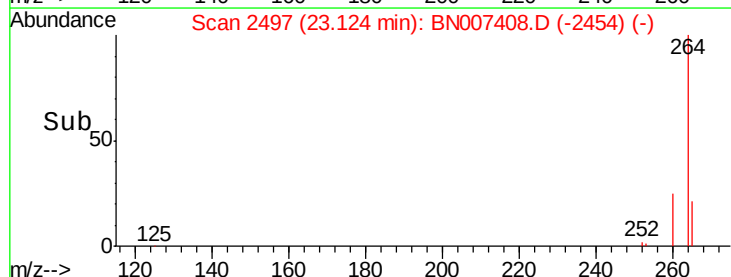
264 100

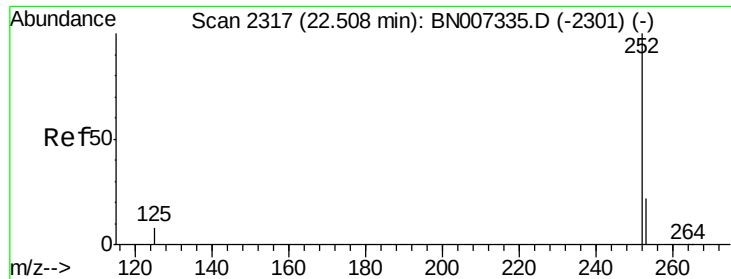
260 25.0 19.7 29.5

265 33.1 29.9 44.9



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: 0.346 ng

RT: 22.55 min Scan# 2328

Delta R.T. 0.04 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

Instrument :

BNA_N

ClientSampleId :

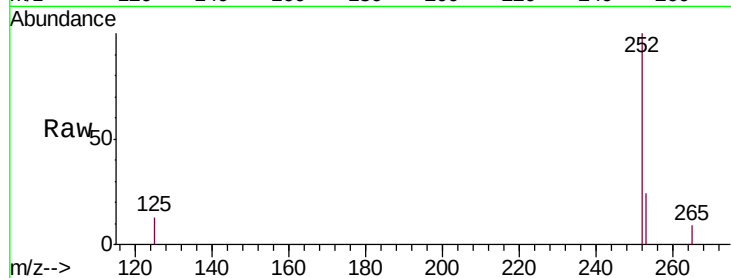
Tot Ion:252 Resp: 32447

Ion Ratio Lower Upper

252 100

253 23.6 19.2 28.8

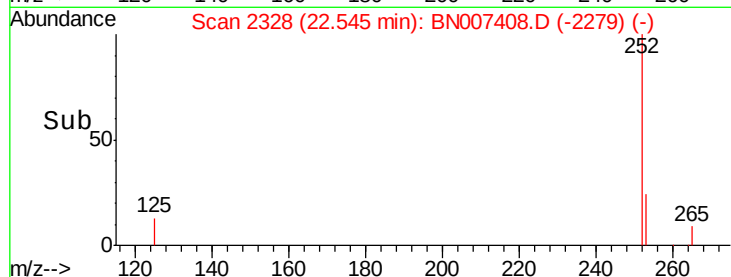
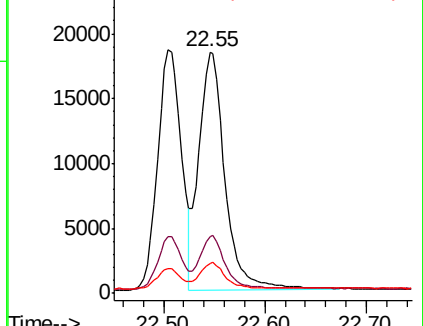
125 12.6 10.6 16.0



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: 0.350 ng

RT: 22.55 min Scan# 2328

Delta R.T. -0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

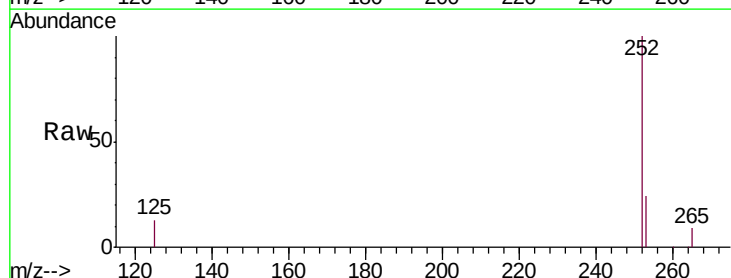
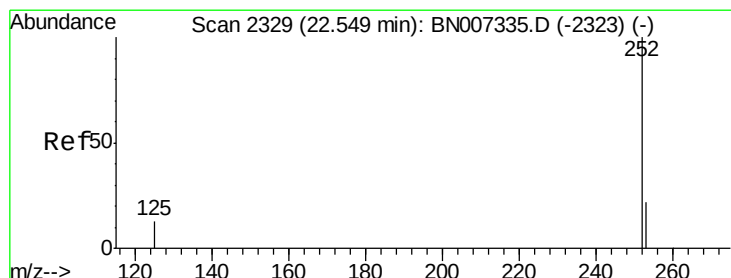
Tgt Ion:252 Resp: 32447

Ion Ratio Lower Upper

252 100

253 23.6 19.4 29.2

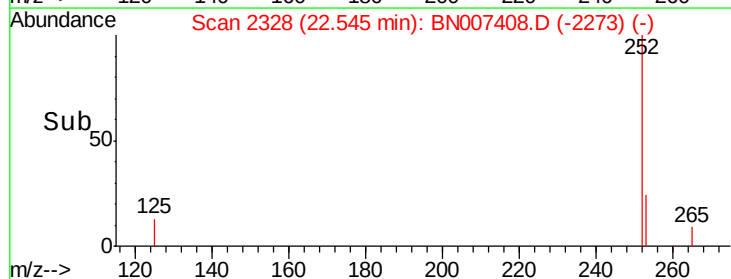
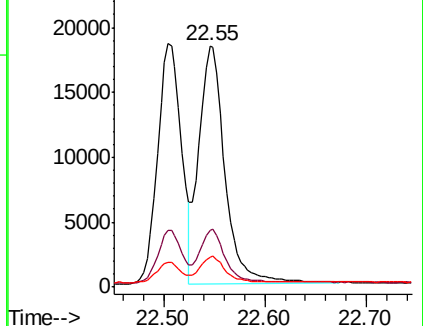
125 12.6 13.1 19.7#

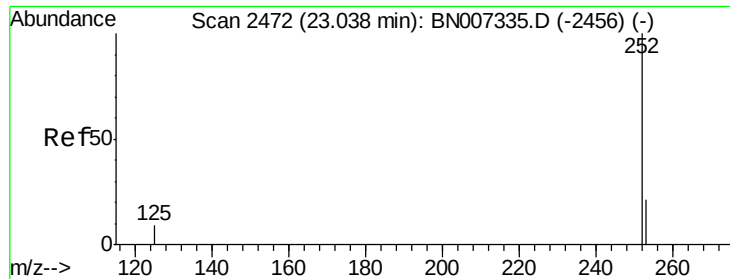


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.322 ng

RT: 23.03 min Scan# 2471

Delta R.T. -0.00 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

Instrument :

BNA_N

ClientSampleId :

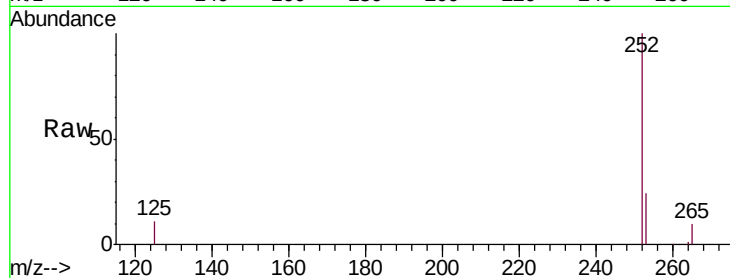
Tot Ion:252 Resp: 28736

Ion Ratio Lower Upper

252 100

253 23.5 19.5 29.3

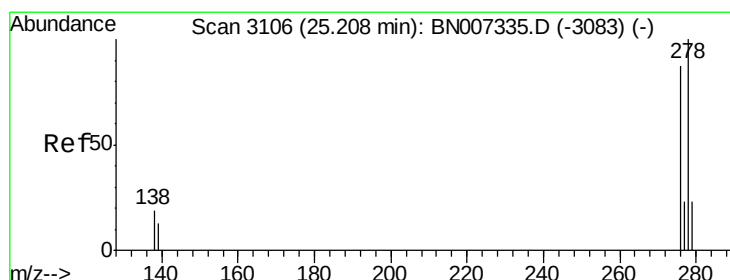
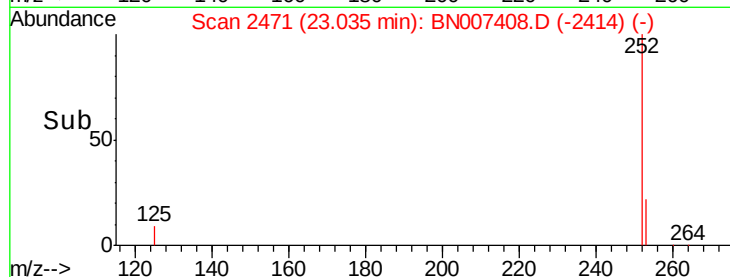
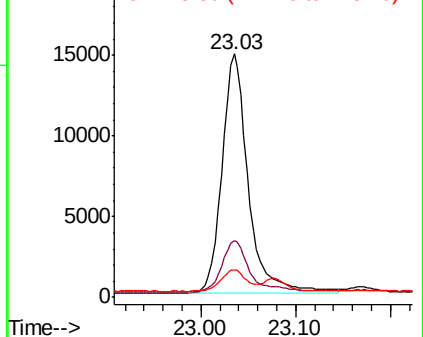
125 11.4 12.1 18.1#



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: 0.329 ng

RT: 25.20 min Scan# 3104

Delta R.T. -0.01 min

Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

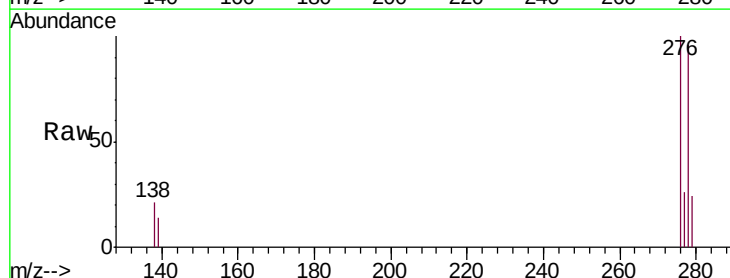
Tgt Ion:278 Resp: 29360

Ion Ratio Lower Upper

278 100

139 14.9 13.7 20.5

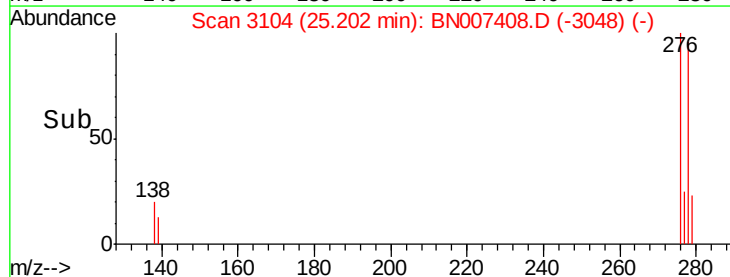
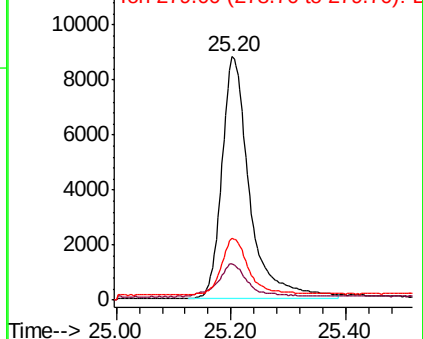
279 25.5 20.2 30.4

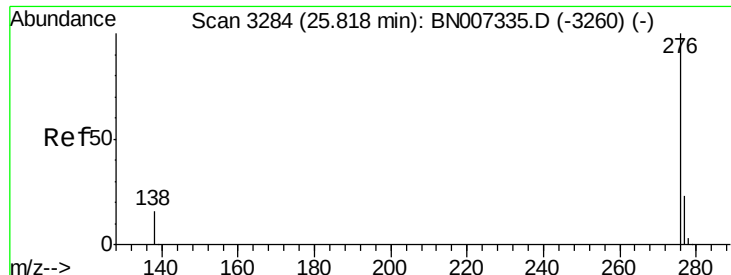


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.346 ng

RT: 25.81 min Scan# 3282

Delta R.T. -0.01 min

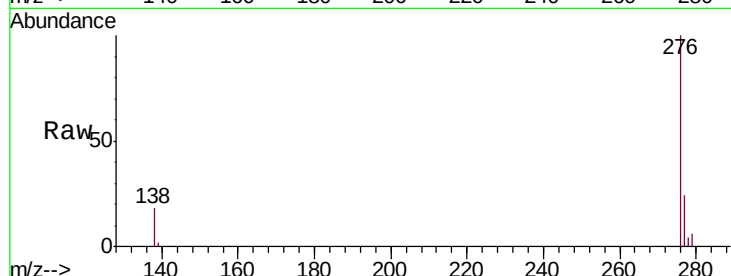
Lab File: BN007408.D

Acq: 26 Aug 2019 13:30

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 30704

Ion Ratio Lower Upper

276 100

277 24.4 19.6 29.4

138 18.2 16.3 24.5

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

