

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090519\
 Data File : BN007537.D
 Acq On : 05 Sep 2019 17:36
 Operator : HP/JU
 Sample : PB122822BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB122822BS

Quant Time: Sep 06 01:59:02 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	5751	0.40	ng	-0.02
7) Naphthalene-d8	10.15	136	27100	0.40	ng	-0.01
13) Acenaphthene-d10	14.03	164	16619	0.40	ng	-0.02
19) Phenanthrene-d10	16.79	188	39636	0.40	ng	0.00
27) Chrysene-d12	21.02	240	33955	0.40	ng	0.00
34) Perylene-d12	23.11	264	32278	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.02	112	6414	0.32	ng	-0.02
5) Phenol-d6	6.58	99	8251	0.32	ng	0.00
8) Nitrobenzene-d5	8.53	82	7548	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	18256	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.54	330	2403	0.28	ng	-0.02
15) 2-Fluorobiphenyl	12.65	172	26089	0.39	ng	0.00
25) Fluoranthene-d10	18.83	212	45982	0.36	ng	-0.01
29) Terphenyl-d14	19.46	244	36698	0.41	ng	-0.01

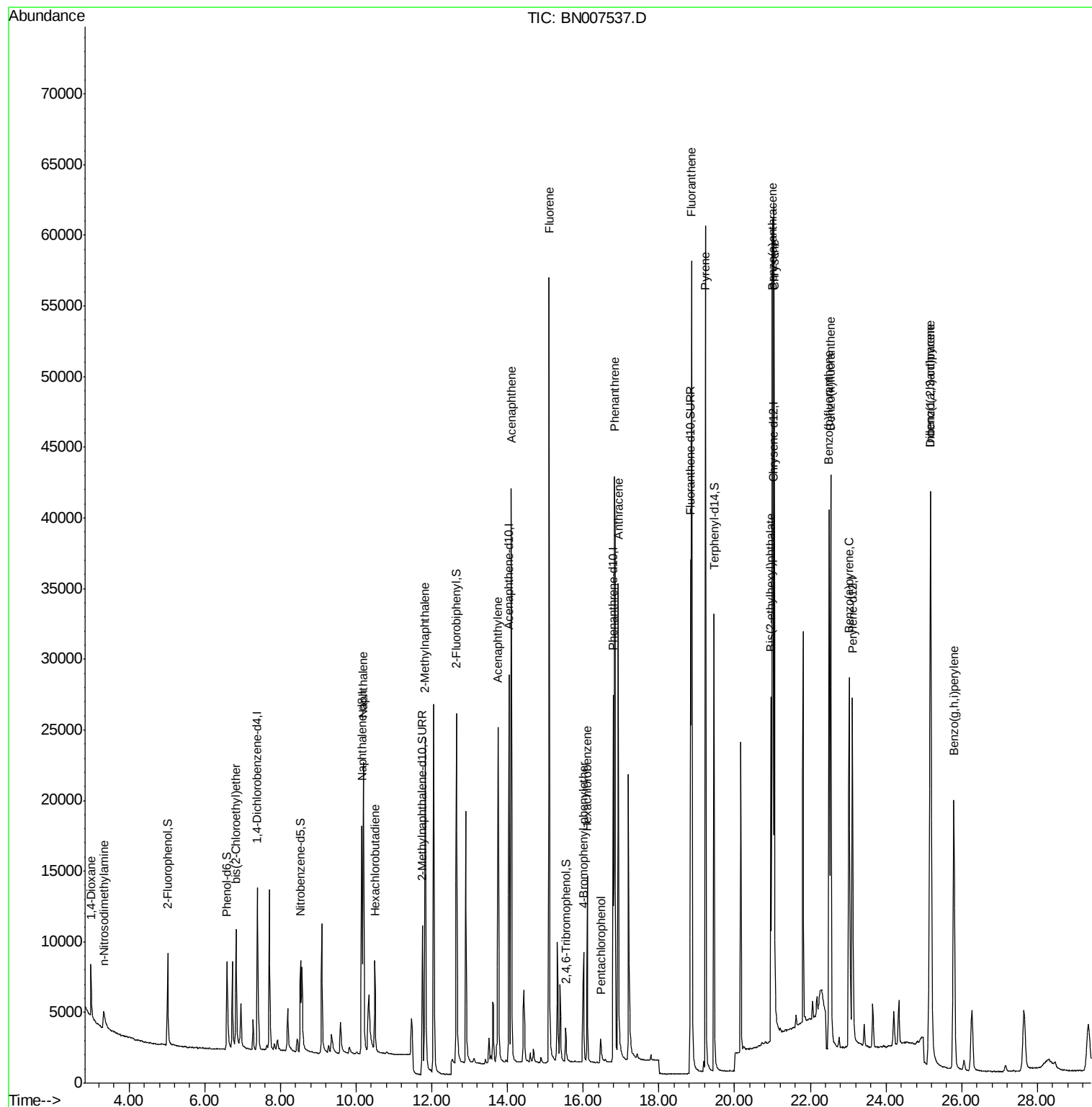
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.99	88	3822	0.400	ng	# 82
3) n-Nitrosodimethylamine	3.33	42	1247	0.281	ng	# 81
6) bis(2-Chloroethyl)ether	6.83	93	8285	0.399	ng	99
9) Naphthalene	10.19	128	30237	0.390	ng	# 90
10) Hexachlorobutadiene	10.49	225	5479	0.345	ng	# 99
12) 2-Methylnaphthalene	11.82	142	21680	0.411	ng	95
16) Acenaphthylene	13.75	152	32401	0.330	ng	99
17) Acenaphthene	14.10	154	22346	0.388	ng	98
18) Fluorene	15.09	166	29036	0.399	ng	100
20) 4-Bromophenyl-phenylether	16.01	248	3018	0.193	ng	# 88
21) Hexachlorobenzene	16.10	284	10495	0.395	ng	97
22) Pentachlorophenol	16.46	266	1548	0.188	ng	# 66
23) Phenanthrene	16.83	178	48375	0.406	ng	99
24) Anthracene	16.92	178	41199	0.344	ng	99
26) Fluoranthene	18.86	202	55984	0.366	ng	98
28) Pyrene	19.23	202	57037	0.418	ng	99
30) Benzo(a)anthracene	20.99	228	47959	0.360	ng	99
31) Chrysene	21.05	228	50374	0.391	ng	99
32) Bis(2-ethylhexyl)phthalate	20.96	149	21534	0.231	ng	98
33) Indeno(1,2,3-cd)pyrene	25.17	276	49198	0.317	ng	# 96
35) Benzo(b)fluoranthene	22.50	252	46099	0.394	ng	# 95
36) Benzo(k)fluoranthene	22.54	252	50264	0.435	ng	99
37) Benzo(a)pyrene	23.02	252	40877	0.367	ng	95
38) Dibenzo(a,h)anthracene	25.18	278	38003	0.342	ng	93
39) Benzo(g,h,i)perylene	25.79	276	39794	0.360	ng	99

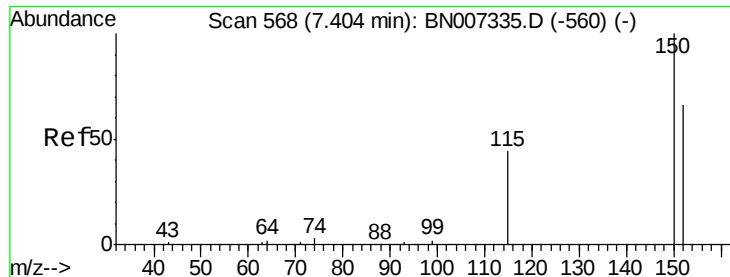
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090519\
Data File : BN007537.D
Acq On : 05 Sep 2019 17:36
Operator : HP/JU
Sample : PB122822BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleID :
PB122822BS

Quant Time: Sep 06 01:59:02 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 566

Delta R.T. -0.02 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PB122822BS

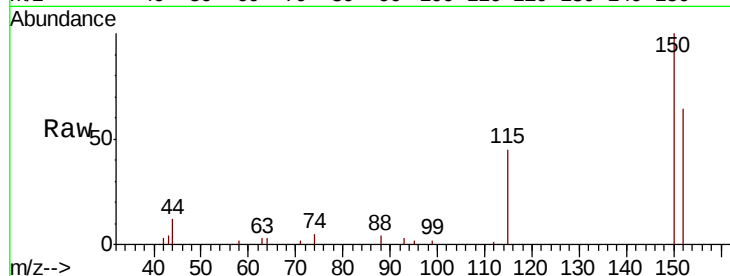
Tot Ion:152 Resp: 5751

Ion Ratio Lower Upper

152 100

150 156.7 109.1 163.7

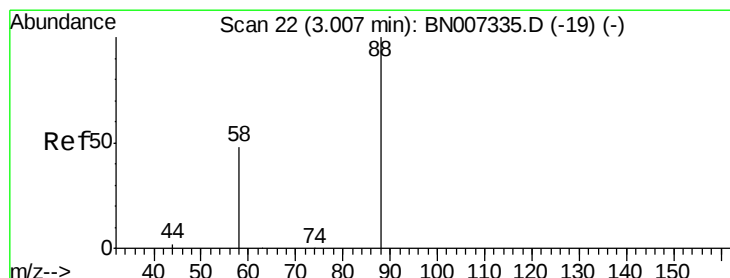
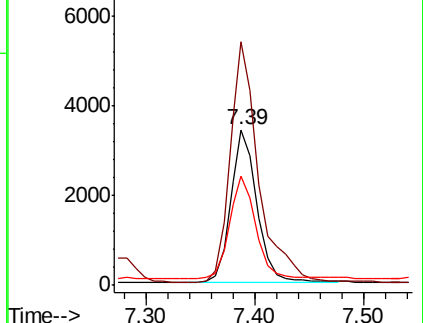
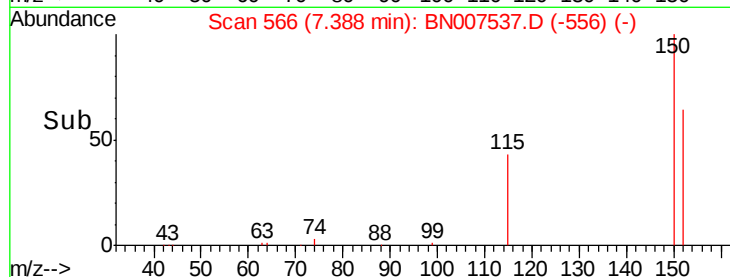
115 70.0 59.6 89.4



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: 0.400 ng

RT: 2.99 min Scan# 20

Delta R.T. -0.02 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

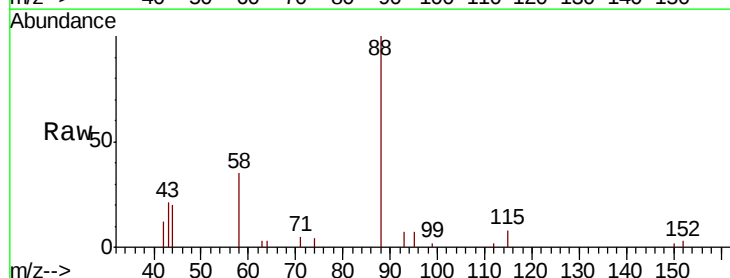
Tgt Ion: 88 Resp: 3822

Ion Ratio Lower Upper

88 100

58 49.3 50.5 75.7#

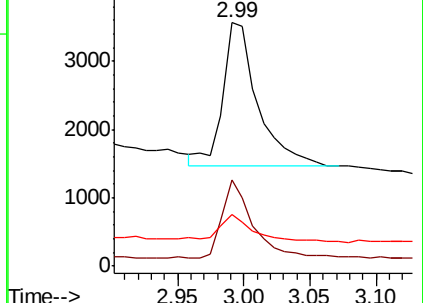
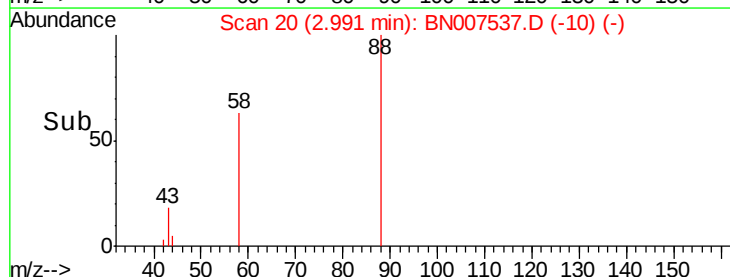
43 16.4 0.0 0.0#

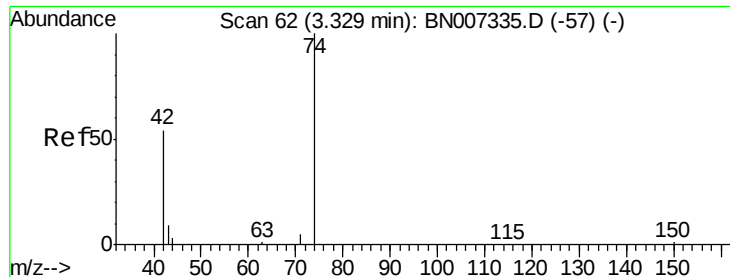


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC



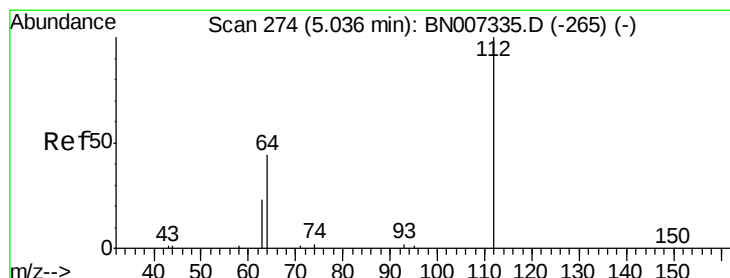
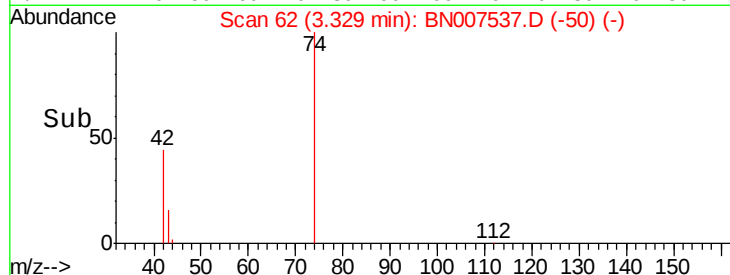
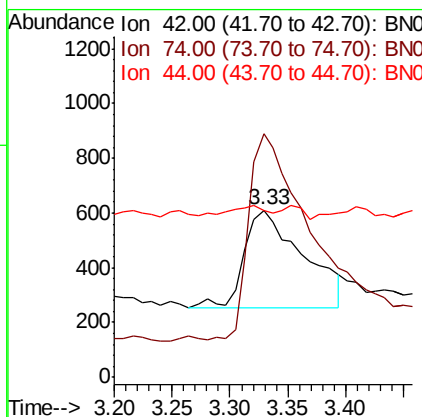
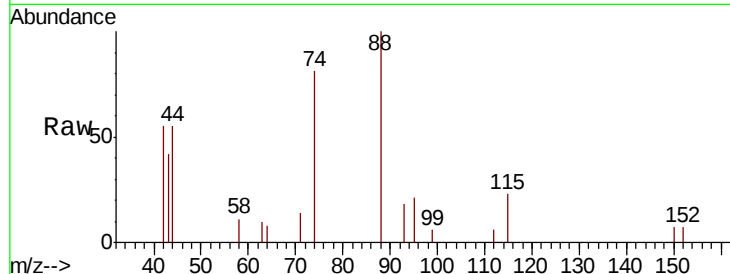


#3

n-Nitrosodimethylamine
 Concen: 0.281 ng
 RT: 3.33 min Scan# 62
 Delta R.T. -0.00 min
 Lab File: BN007537.D
 Acq: 05 Sep 2019 17:36

Instrument :
 BNA_N
 ClientSampleId :
 PB122822BS

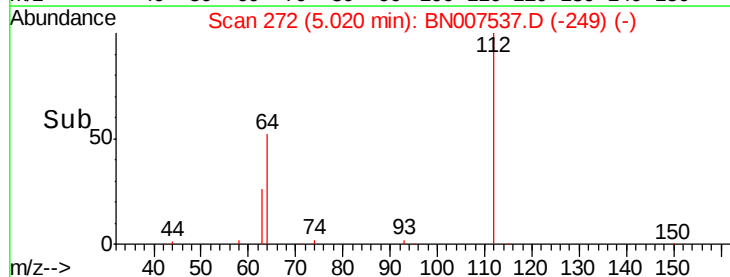
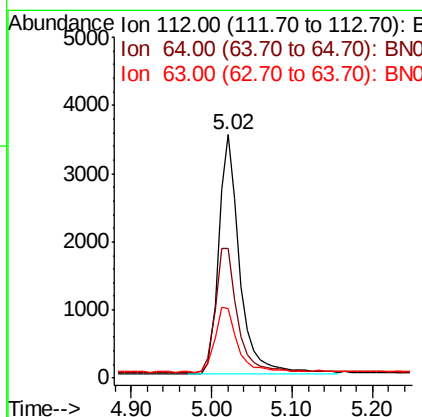
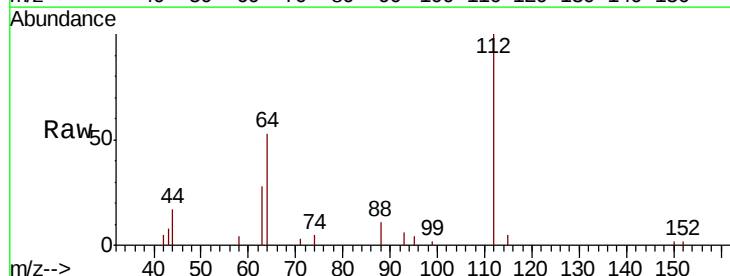
Tot Ion: 42 Resp: 1247
 Ion Ratio Lower Upper
 42 100
 74 207.5 144.7 217.1
 44 7.9 3.2 4.8#

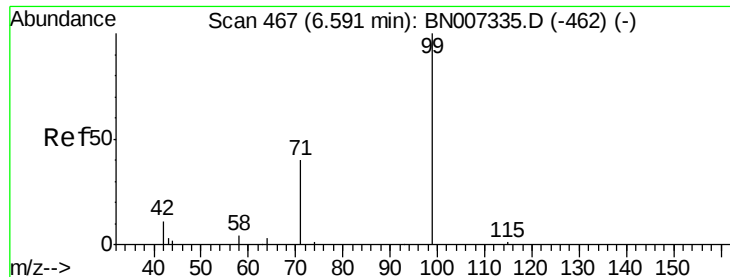


#4

2-Fluorophenol
 Concen: 0.315 ng
 RT: 5.02 min Scan# 272
 Delta R.T. -0.02 min
 Lab File: BN007537.D
 Acq: 05 Sep 2019 17:36

Tgt Ion: 112 Resp: 6414
 Ion Ratio Lower Upper
 112 100
 64 55.4 42.3 63.5
 63 27.6 23.6 35.4





#5

Phenol-d6

Concen: 0.319 ng

RT: 6.58 min Scan# 466

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PB122822BS

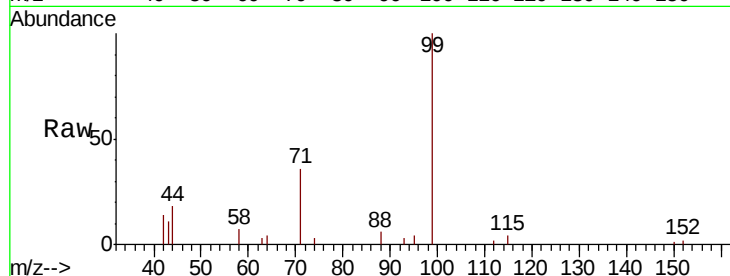
Tot Ion: 99 Resp: 8251

Ion Ratio Lower Upper

99 100

42 11.5 11.2 16.8

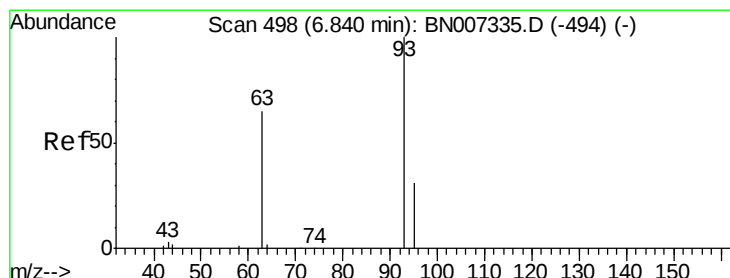
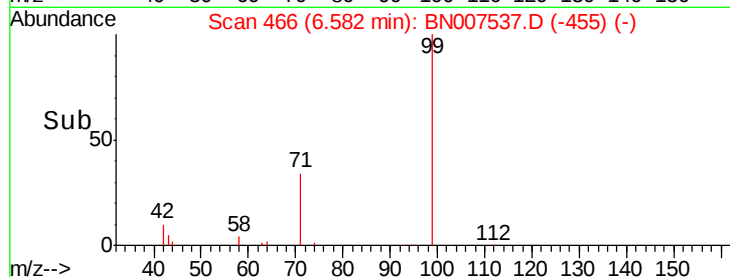
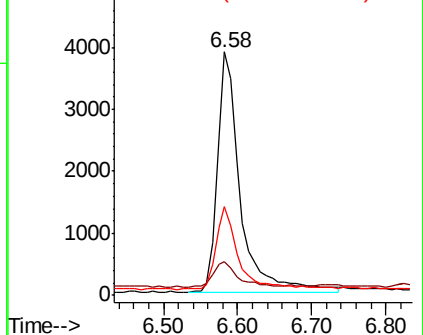
71 34.2 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007537.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007537.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007537.D (-462) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.399 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

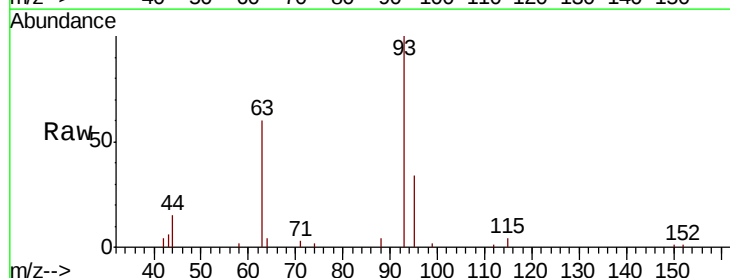
Tgt Ion: 93 Resp: 8285

Ion Ratio Lower Upper

93 100

63 64.0 51.9 77.9

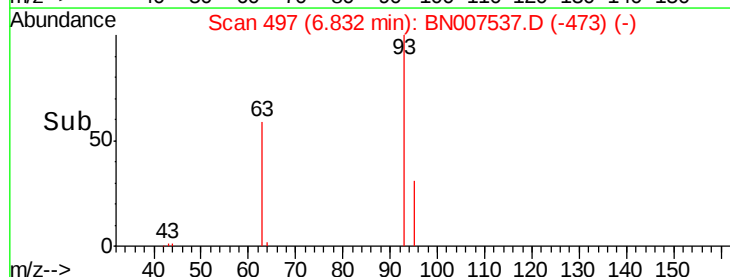
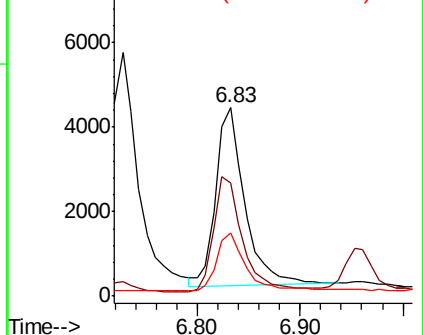
95 33.4 27.7 41.5

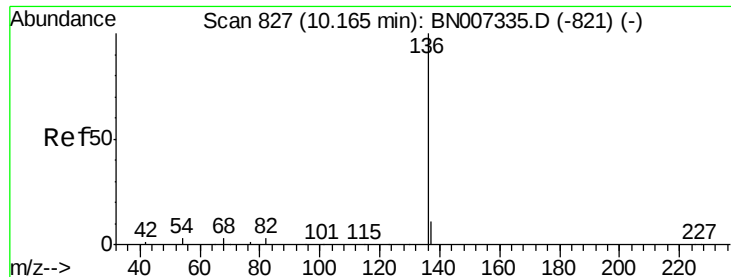


Abundance Ion 93.00 (92.70 to 93.70): BN007537.D (-494) (-)

Ion 63.00 (62.70 to 63.70): BN007537.D (-494) (-)

Ion 95.00 (94.70 to 95.70): BN007537.D (-494) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PB122822BS

Tot Ion:136 Resp: 27100

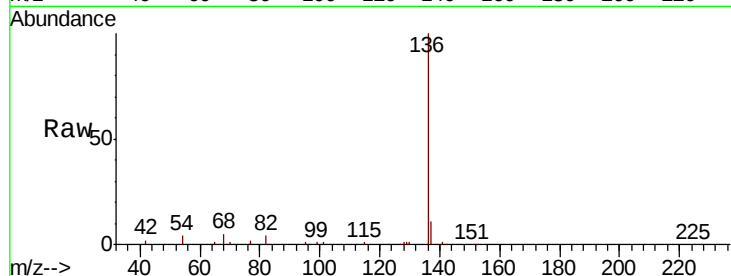
Ion Ratio Lower Upper

136 100

137 11.5 12.9 19.3#

54 3.5 8.6 12.8#

68 4.8 17.0 25.4#

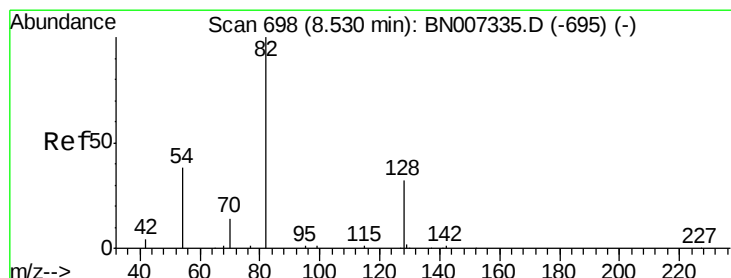
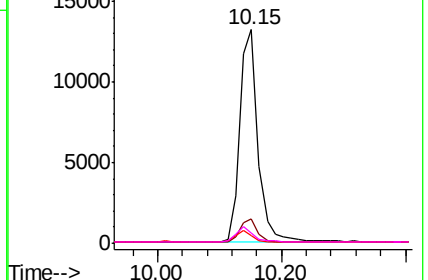
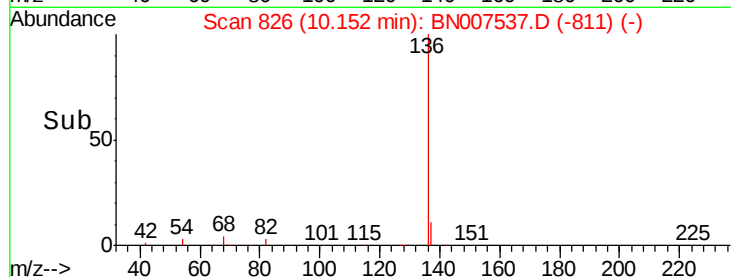


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.320 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

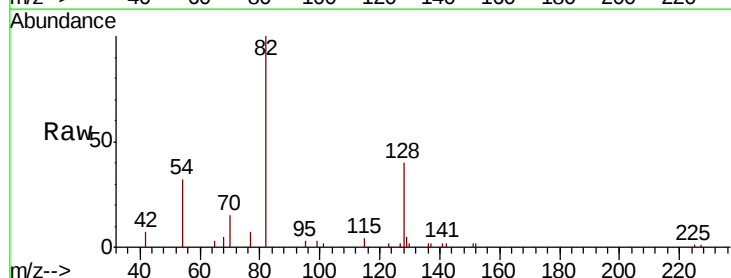
Tgt Ion: 82 Resp: 7548

Ion Ratio Lower Upper

82 100

128 40.3 19.7 29.5#

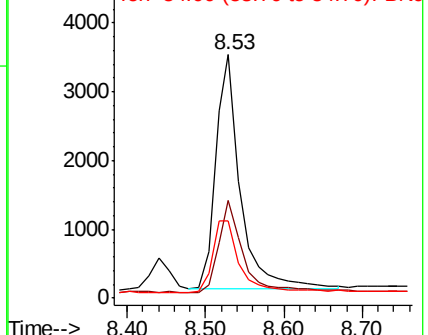
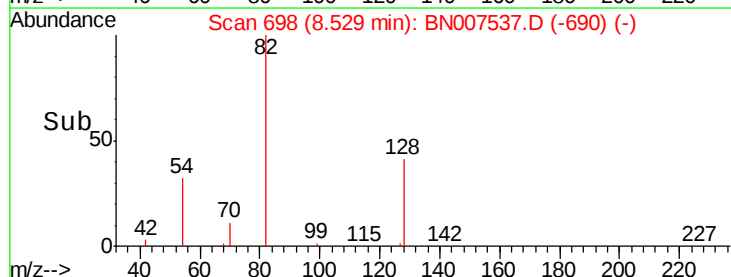
54 31.9 25.8 38.6

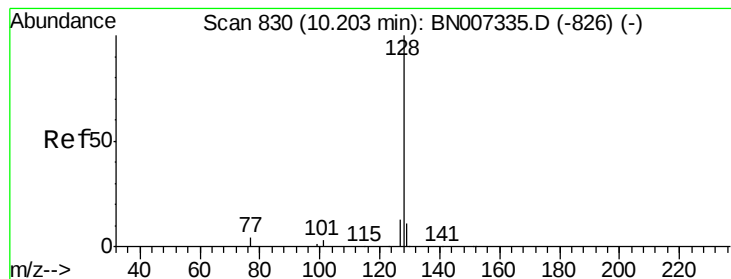


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.390 ng

RT: 10.19 min Scan# 829

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PB122822BS

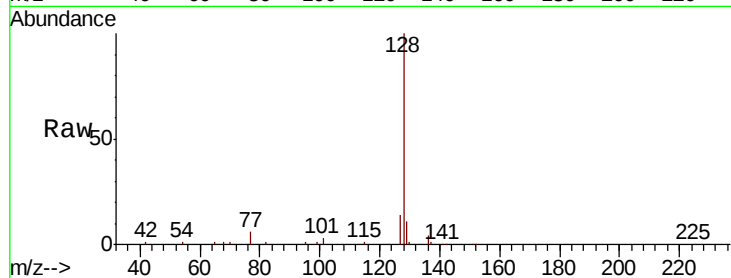
Tot Ion:128 Resp: 30237

Ion Ratio Lower Upper

128 100

129 11.1 11.1 16.7#

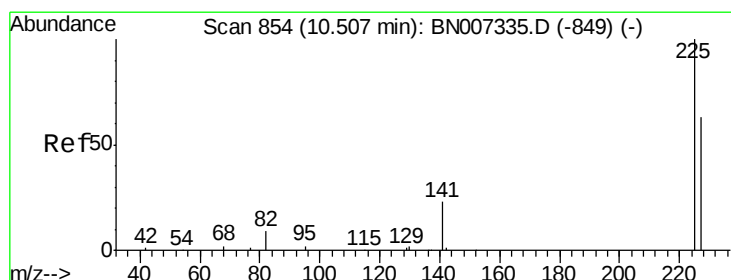
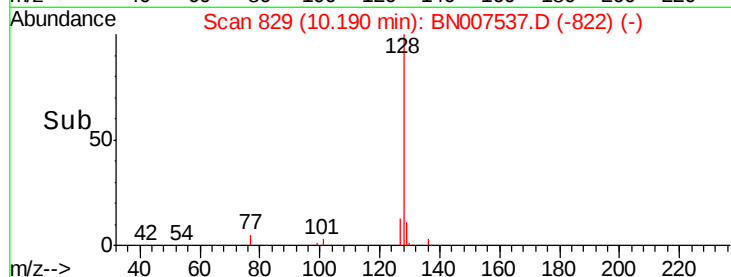
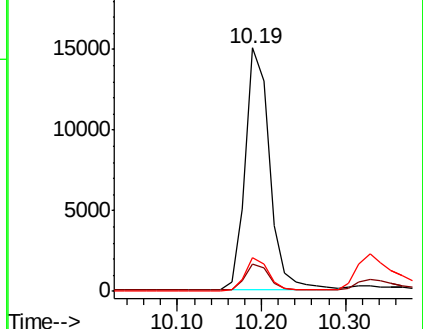
127 13.7 15.5 23.3#



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: 0.345 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

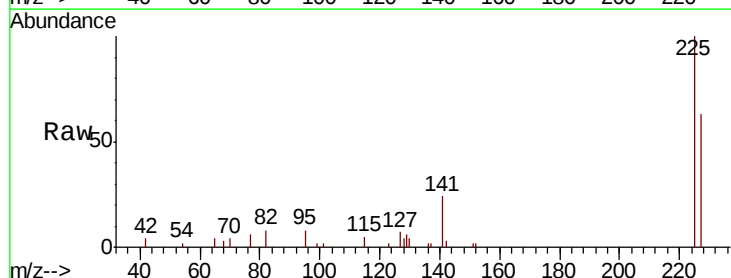
Tgt Ion:225 Resp: 5479

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

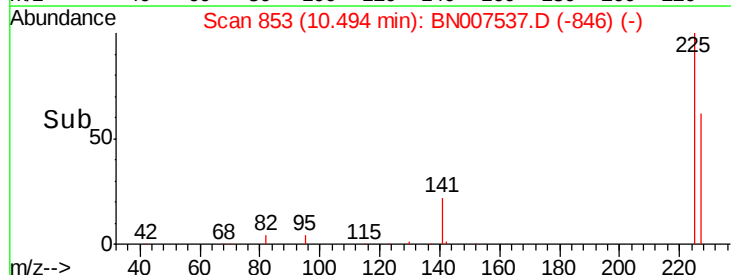
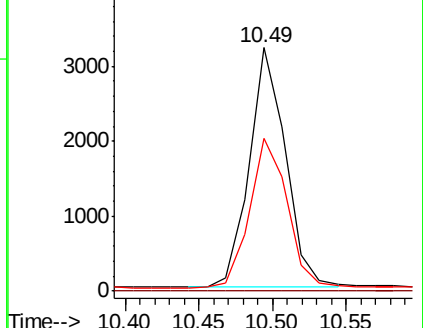
227 64.3 50.7 76.1

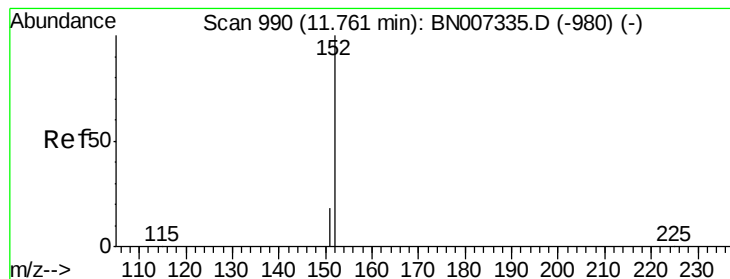


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.405 ng

RT: 11.75 min Scan# 988

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

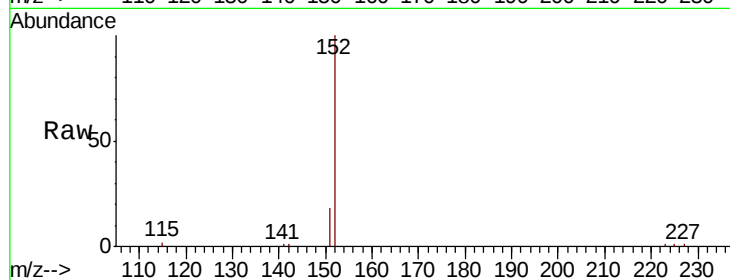
PB122822BS

Tot Ion:152 Resp: 18256

Ion Ratio Lower Upper

152 100

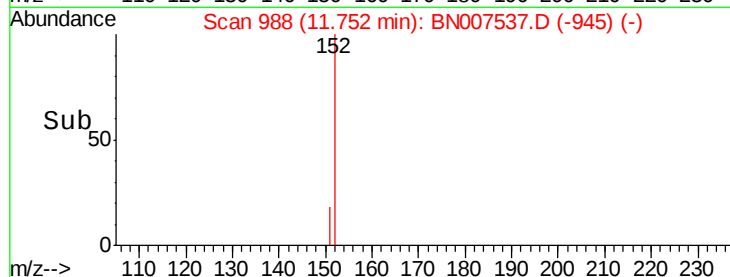
151 18.8 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.75



10000

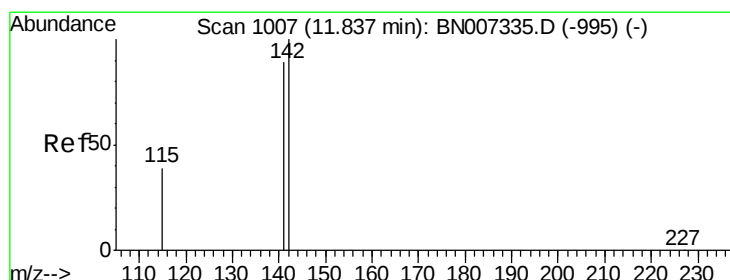
8000

6000

4000

2000

Time--> 11.60 11.80 12.00



#12

2-Methylnaphthalene

Concen: 0.411 ng

RT: 11.82 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

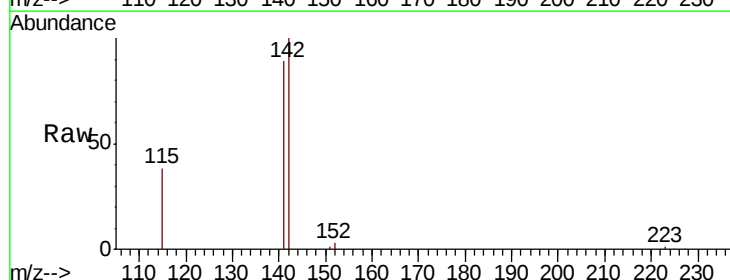
Tgt Ion:142 Resp: 21680

Ion Ratio Lower Upper

142 100

141 88.7 72.8 109.2

115 37.7 35.2 52.8

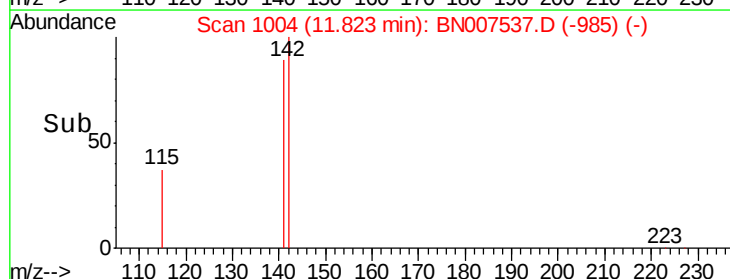


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.82

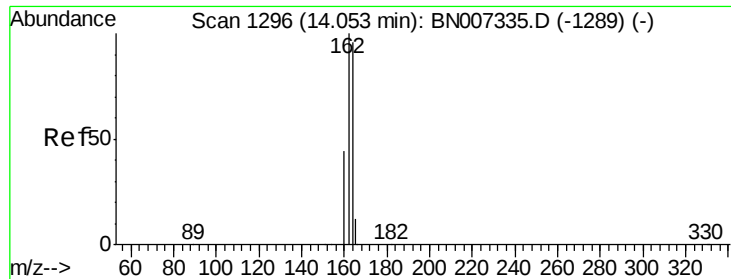


15000

10000

5000

Time--> 11.70 11.80 11.90 12.00



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PB122822BS

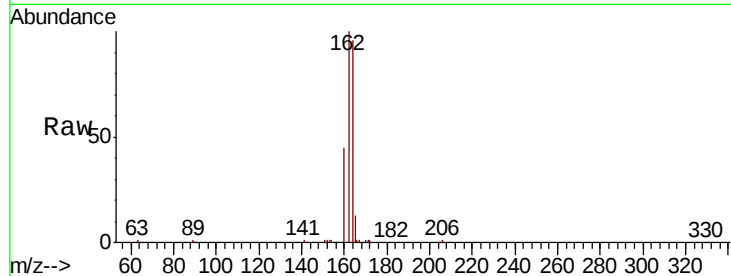
Tot Ion:164 Resp: 16619

Ion Ratio Lower Upper

164 100

162 104.0 83.5 125.3

160 46.8 38.2 57.4

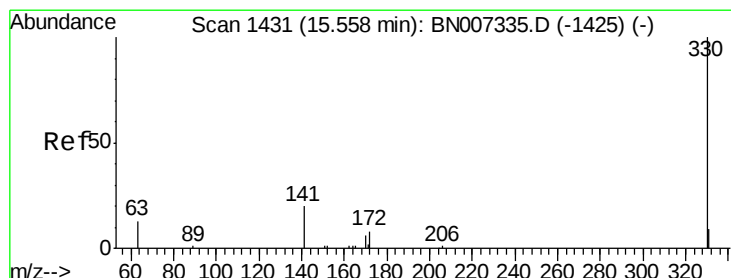
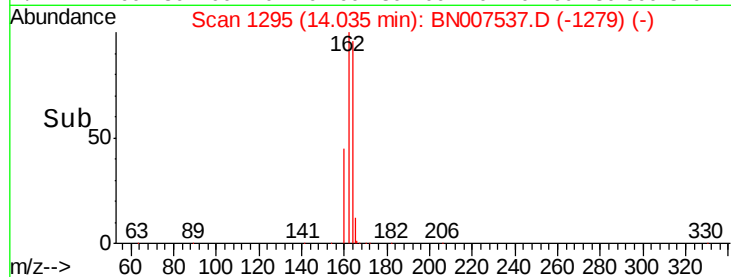
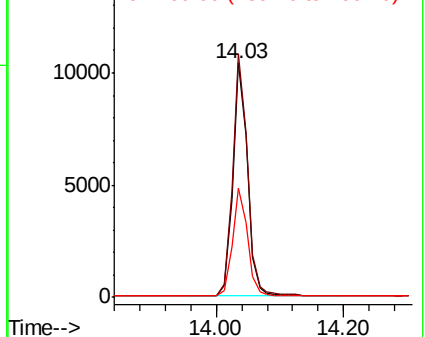


Abundance

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: 0.276 ng

RT: 15.54 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

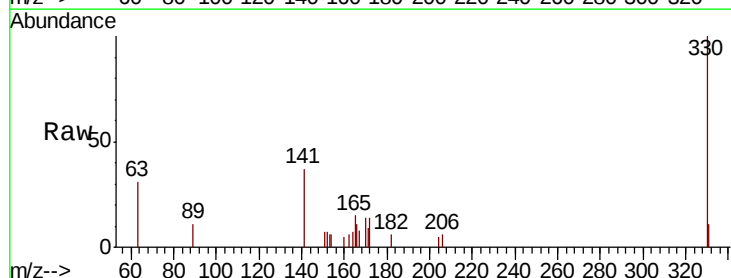
Tgt Ion:330 Resp: 2403

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 34.0 26.9 40.3

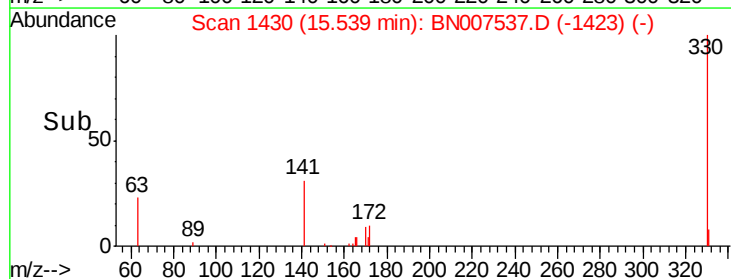
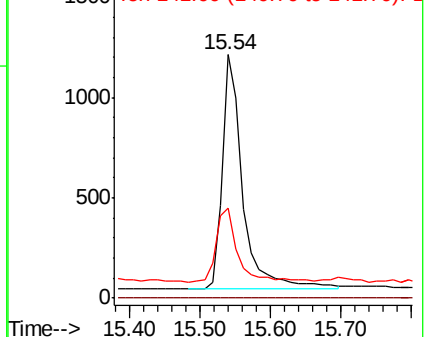


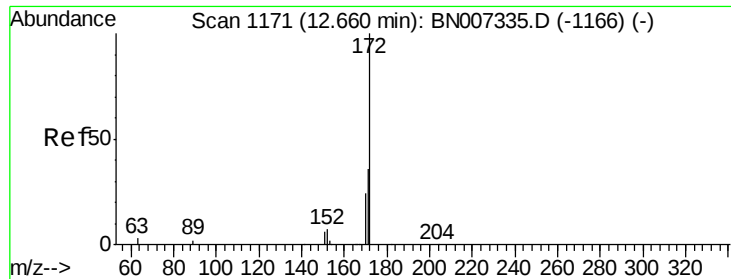
Abundance

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

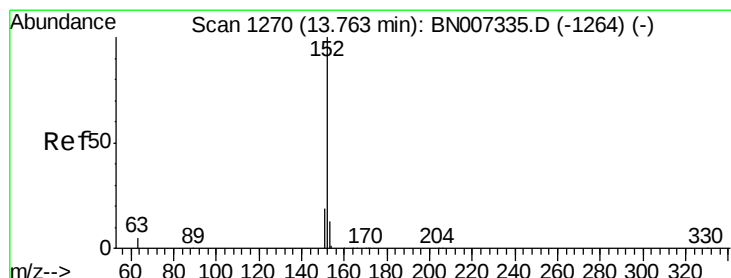
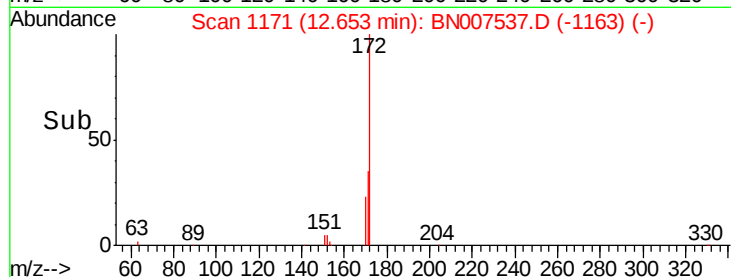
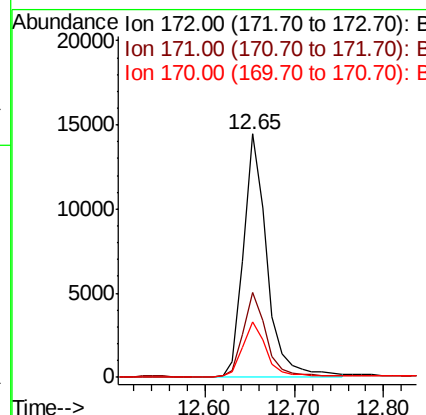
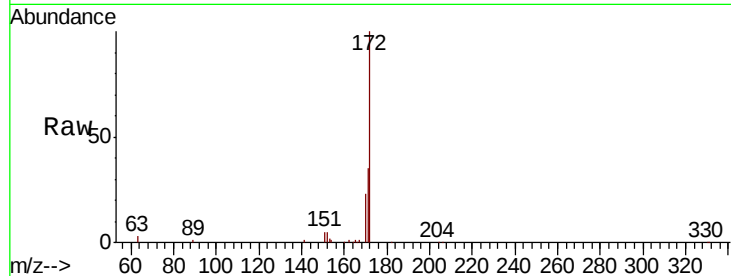




#15
2-Fluorobiphenyl
Concen: 0.389 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007537.D
Acq: 05 Sep 2019 17:36

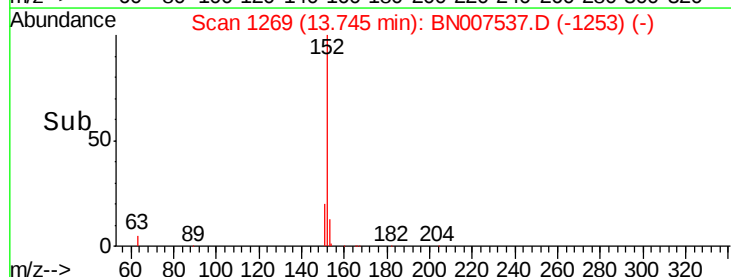
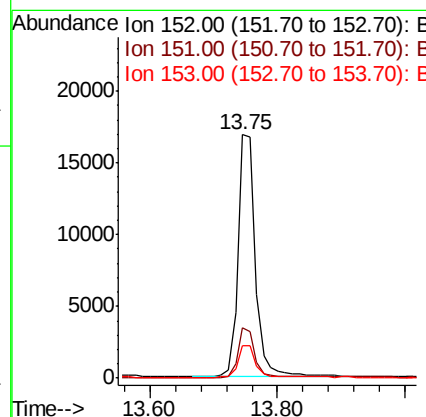
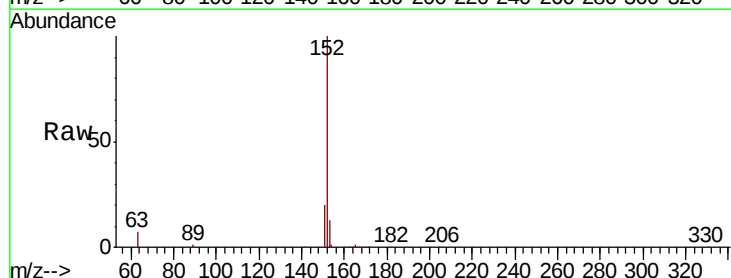
Instrument :
BNA_N
ClientSampleId :
PB122822BS

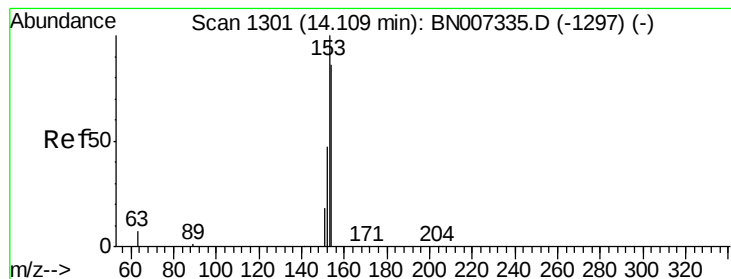
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.3	45.5
170	22.9	20.7	31.1



#16
Acenaphthylene
Concen: 0.330 ng
RT: 13.75 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BN007537.D
Acq: 05 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.1	24.1
153	12.9	10.6	15.8





#17

Acenaphthene

Concen: 0.388 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PB122822BS

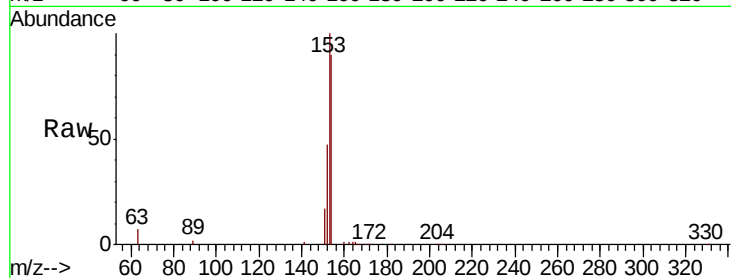
Tot Ion:154 Resp: 22346

Ion Ratio Lower Upper

154 100

153 112.7 92.8 139.2

152 54.0 43.8 65.8

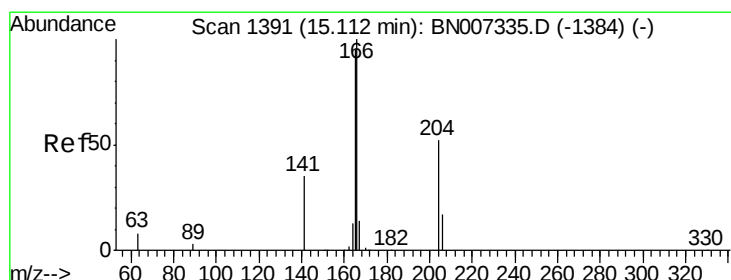
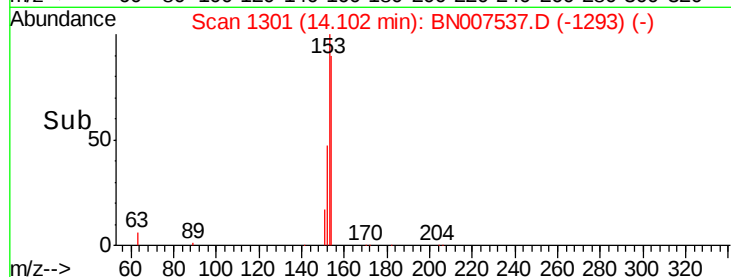
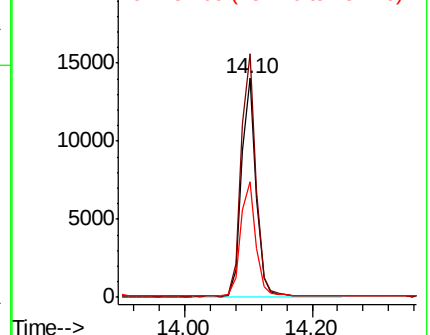


Abundance

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: 0.399 ng

RT: 15.09 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

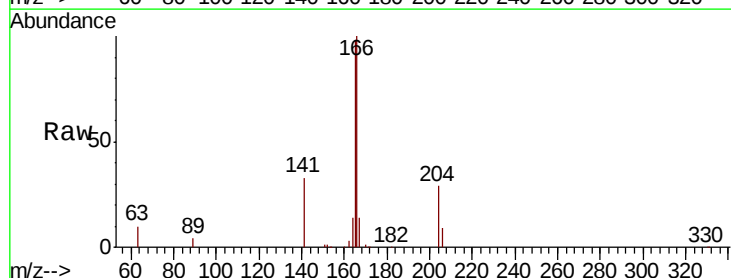
Tgt Ion:166 Resp: 29036

Ion Ratio Lower Upper

166 100

165 98.2 79.0 118.4

167 13.4 10.6 15.8

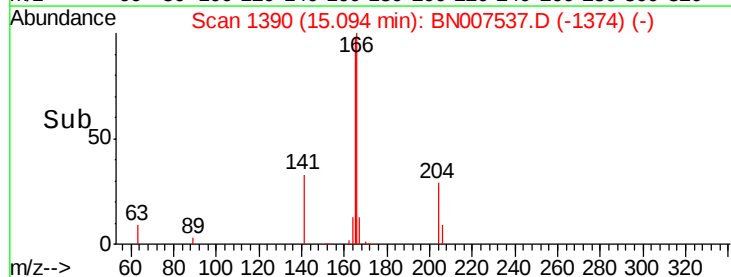
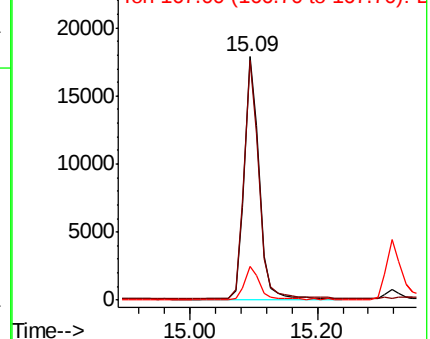


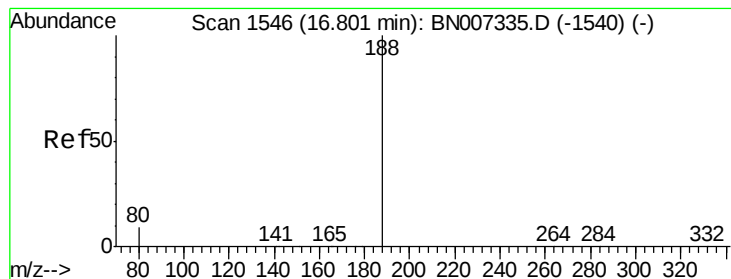
Abundance

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: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PB122822BS

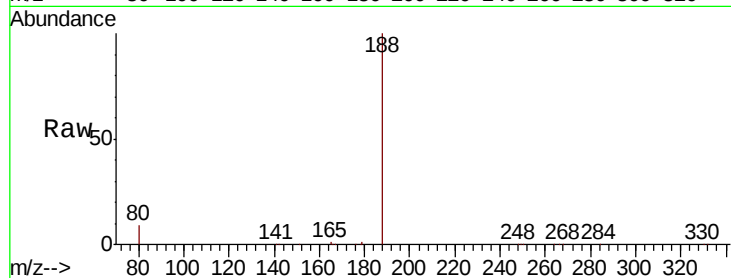
Tot Ion:188 Resp: 39636

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

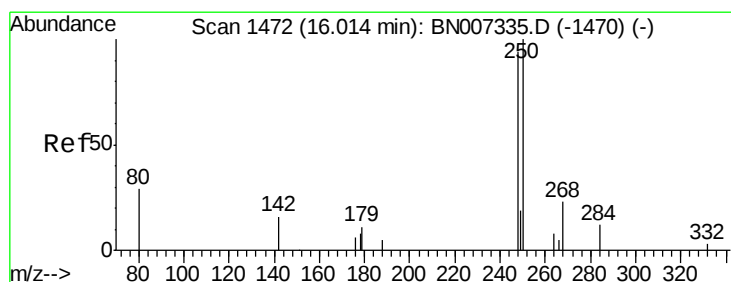
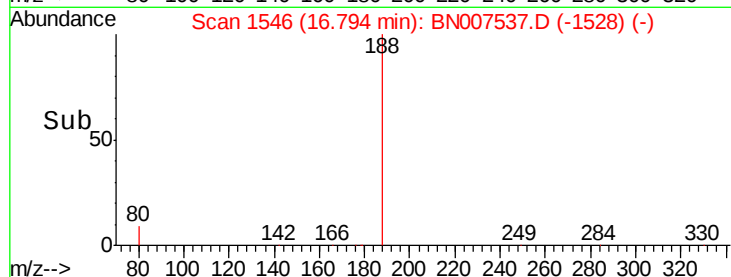
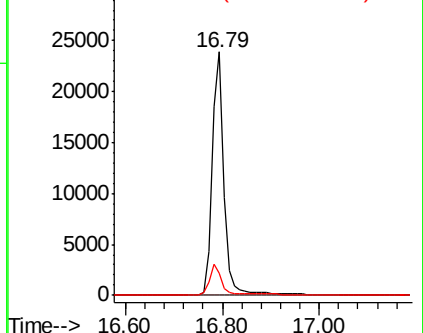
80 8.9 11.8 17.8#



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: 0.193 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

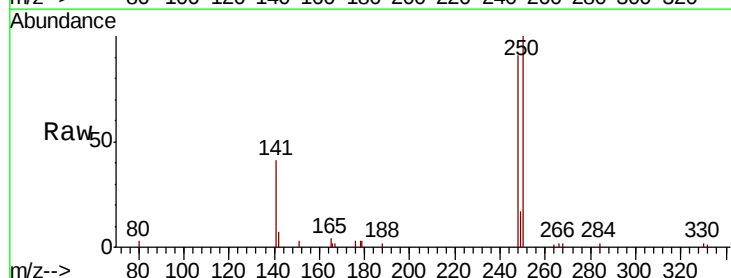
Tgt Ion:248 Resp: 3018

Ion Ratio Lower Upper

248 100

250 109.5 85.0 127.6

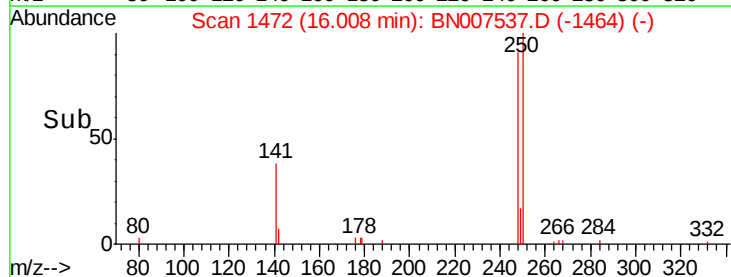
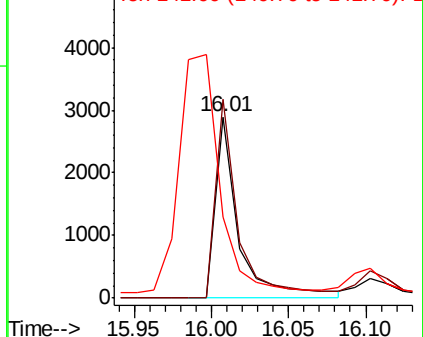
141 44.6 51.7 77.5#

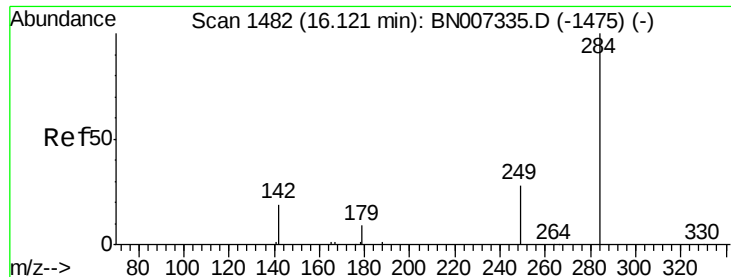


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.395 ng

RT: 16.10 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PB122822BS

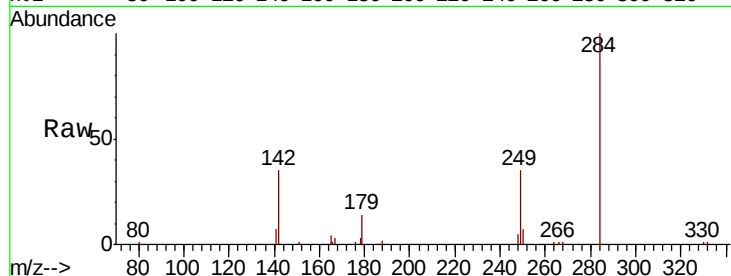
Tot Ion:284 Resp: 10495

Ion Ratio Lower Upper

284 100

142 33.3 29.0 43.6

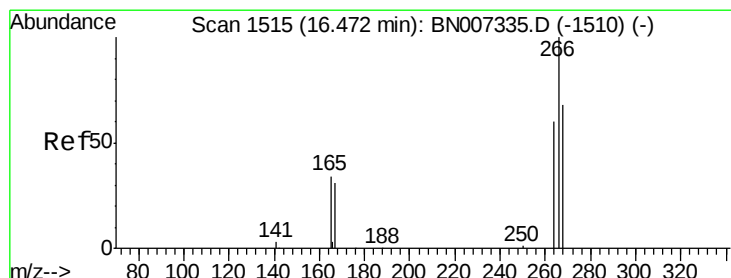
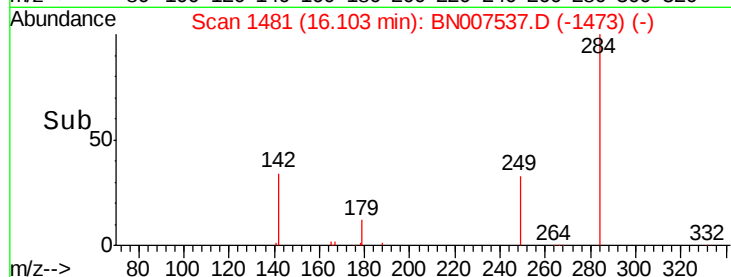
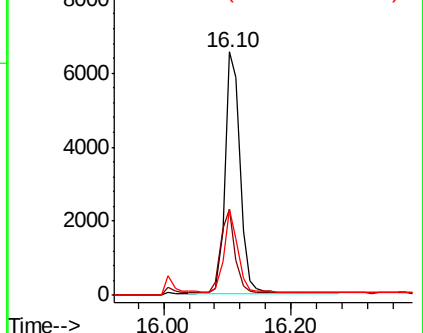
249 30.9 24.9 37.3



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: 0.188 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

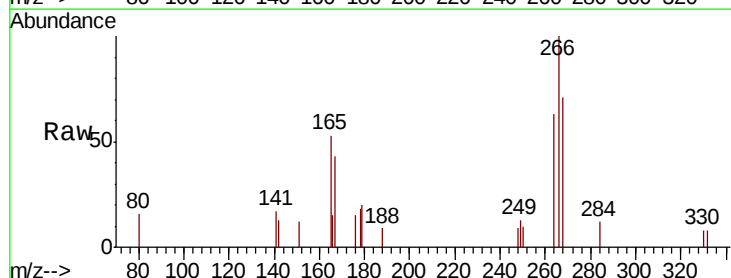
Tgt Ion:266 Resp: 1548

Ion Ratio Lower Upper

266 100

264 62.7 57.8 86.8

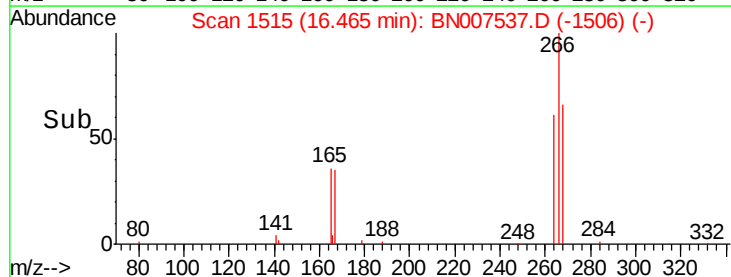
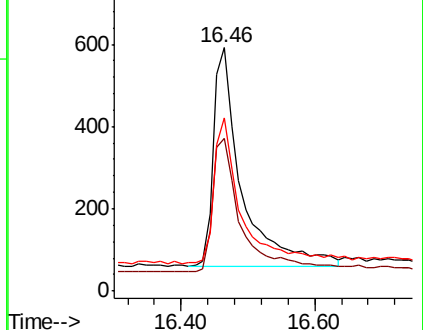
268 70.9 99.7 149.5#

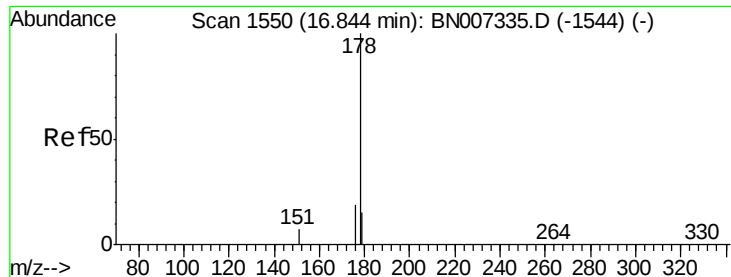


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.406 ng

RT: 16.83 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PB122822BS

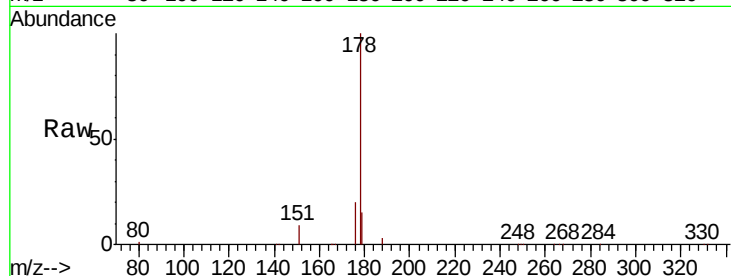
Tot Ion:178 Resp: 48375

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

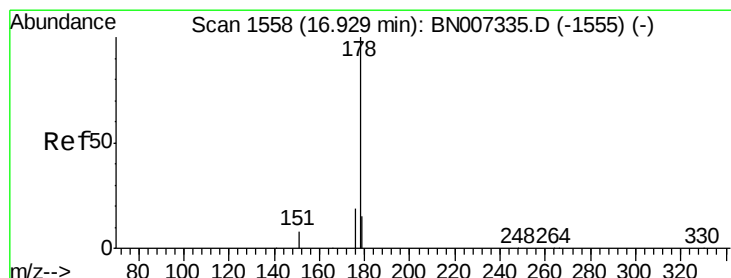
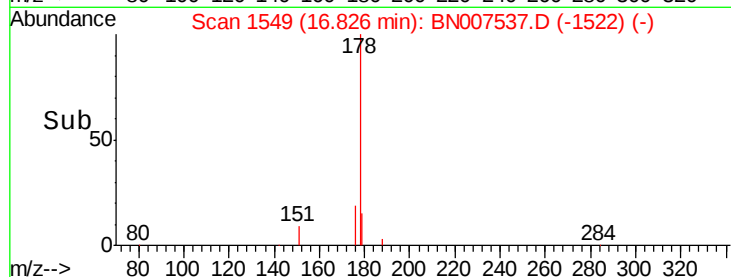
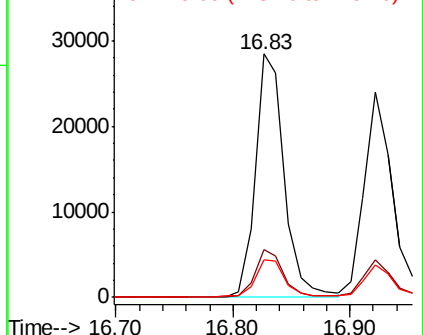
179 15.5 12.6 19.0



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: 0.344 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

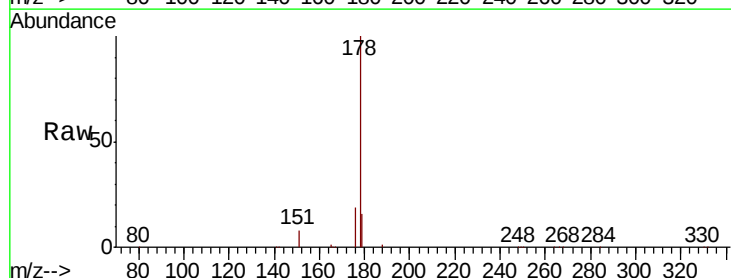
Tgt Ion:178 Resp: 41199

Ion Ratio Lower Upper

178 100

176 18.1 14.9 22.3

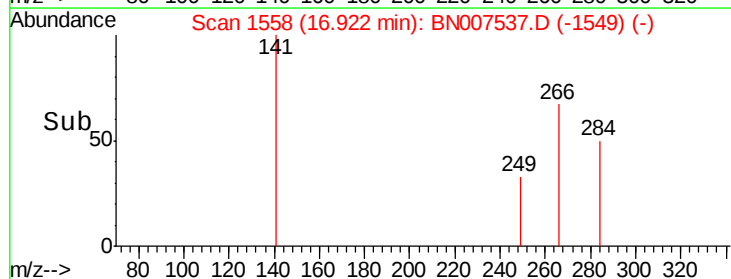
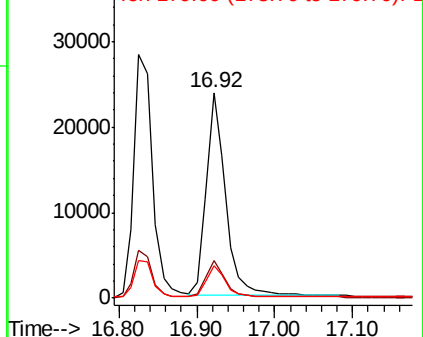
179 15.1 12.4 18.6

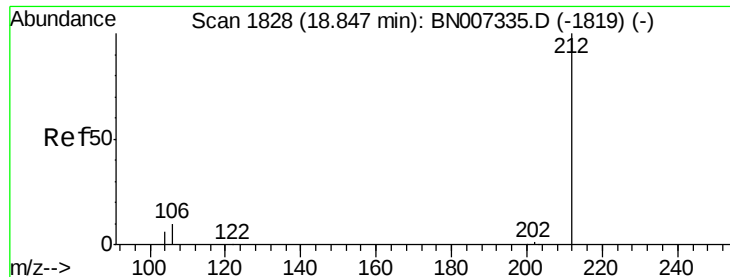


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.360 ng

RT: 18.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PB122822BS

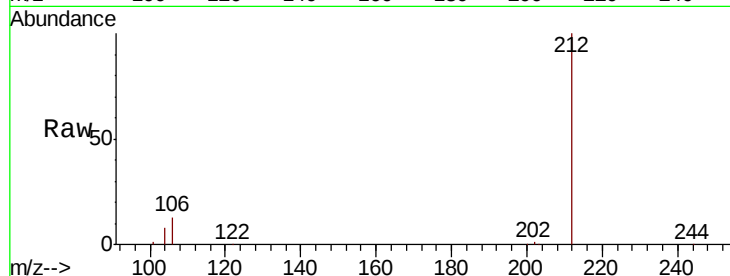
Tot Ion:212 Resp: 45982

Ion Ratio Lower Upper

212 100

106 12.9 9.0 13.4

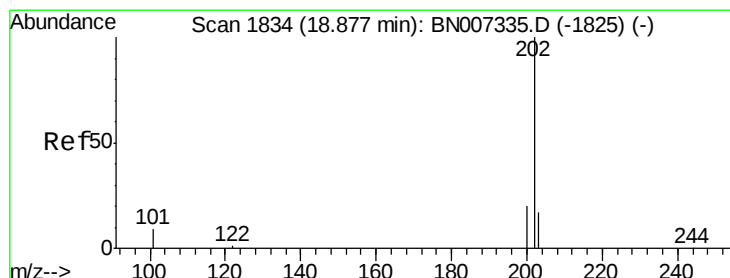
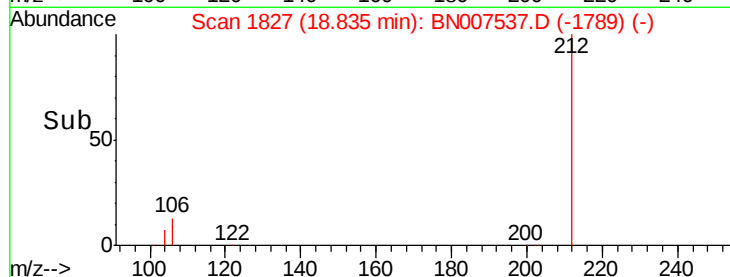
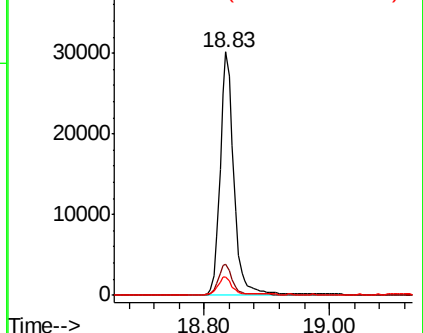
104 7.3 5.4 8.2



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: 0.366 ng

RT: 18.86 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

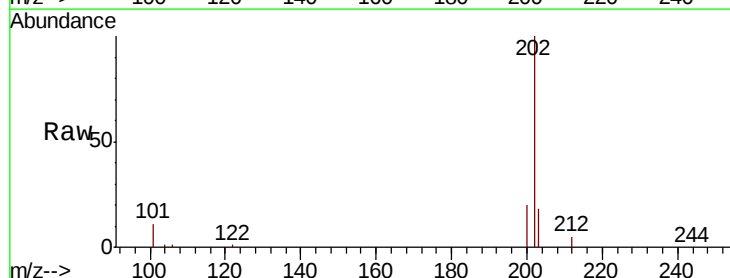
Tgt Ion:202 Resp: 55984

Ion Ratio Lower Upper

202 100

101 11.3 7.7 11.5

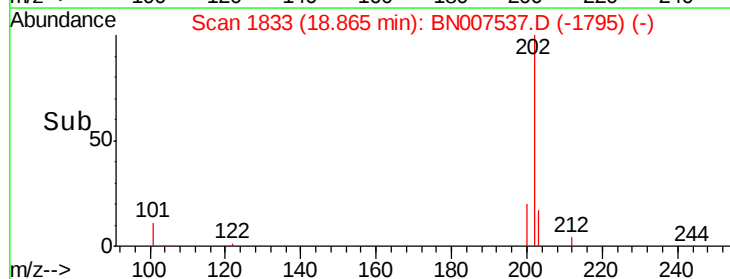
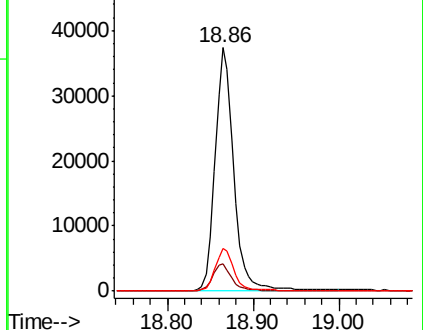
203 17.2 13.7 20.5

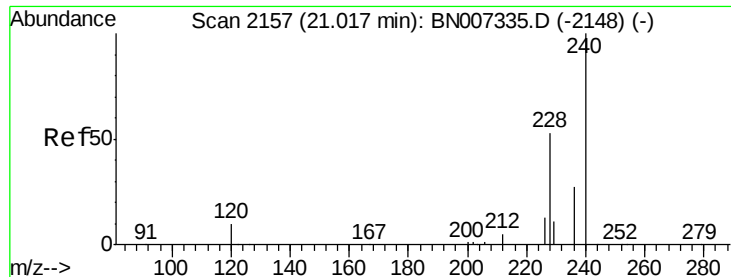


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2158

Delta R.T. -0.00 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PB122822BS

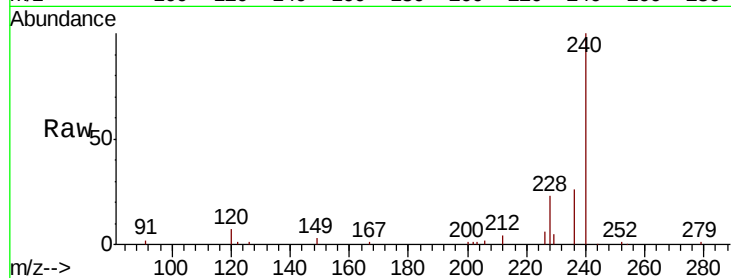
Tot Ion:240 Resp: 33955

Ion Ratio Lower Upper

240 100

120 6.7 9.6 14.4#

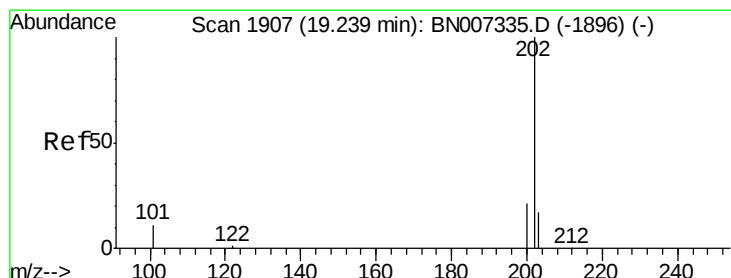
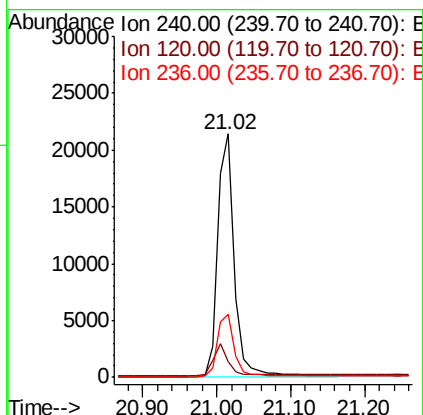
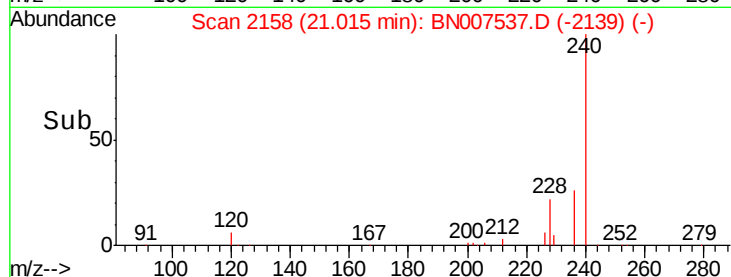
236 26.1 22.2 33.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.418 ng

RT: 19.23 min Scan# 1907

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

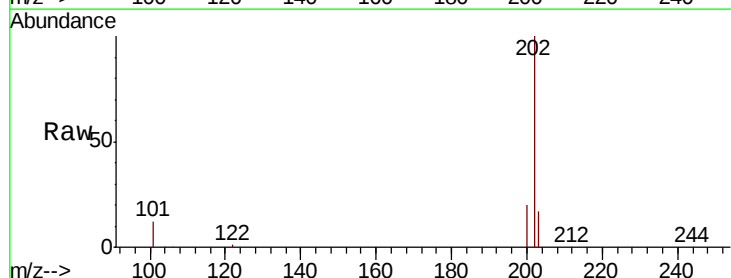
Tgt Ion:202 Resp: 57037

Ion Ratio Lower Upper

202 100

200 20.1 16.6 25.0

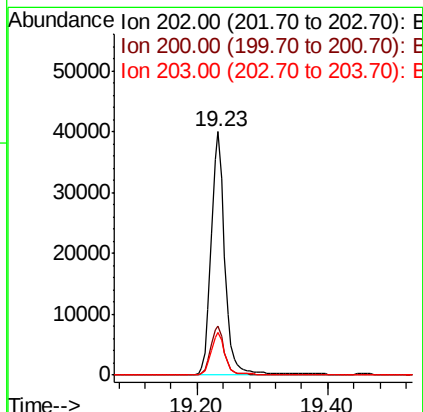
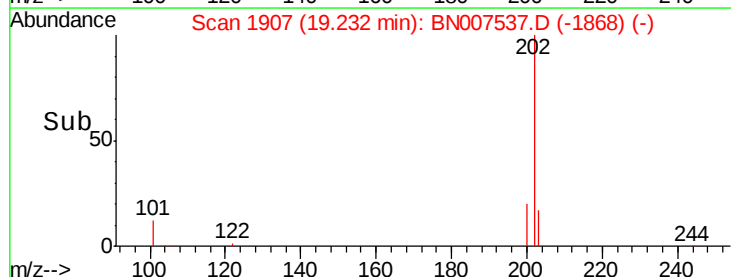
203 17.6 14.2 21.4

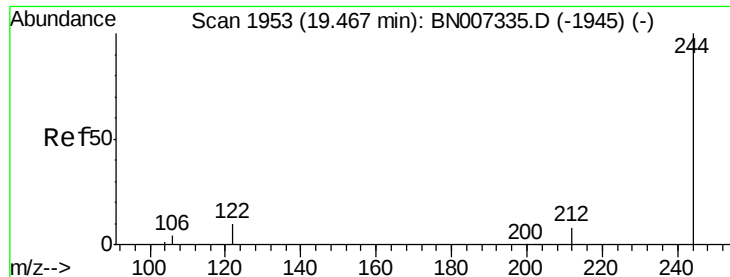


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.413 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PB122822BS

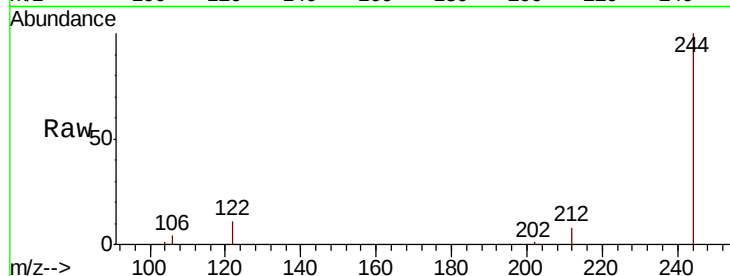
Tot Ion:244 Resp: 36698

Ion Ratio Lower Upper

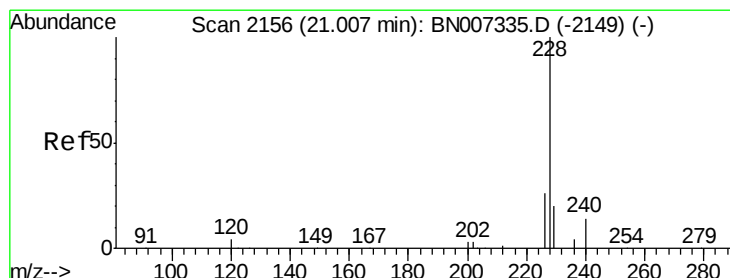
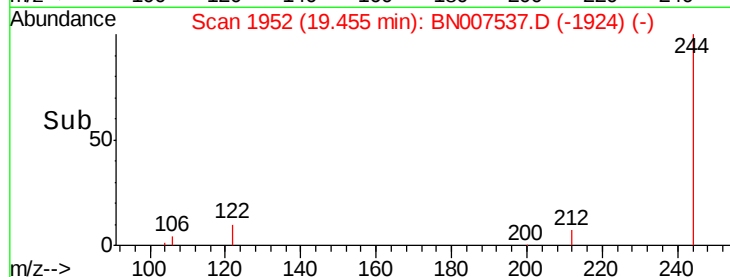
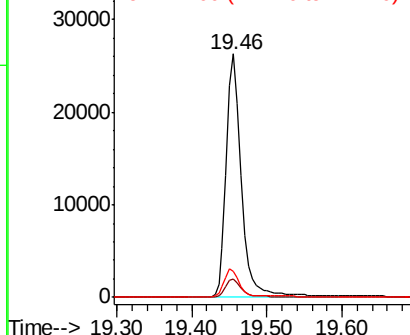
244 100

212 7.6 7.0 10.6

122 10.8 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: 0.360 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

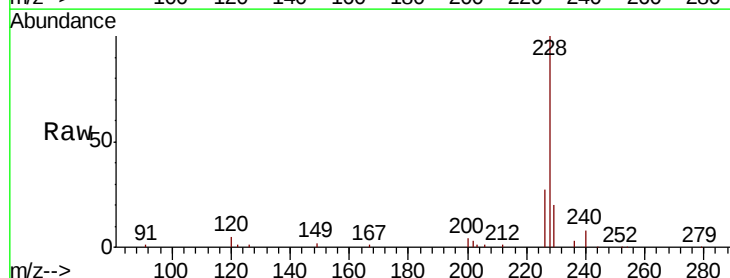
Tgt Ion:228 Resp: 47959

Ion Ratio Lower Upper

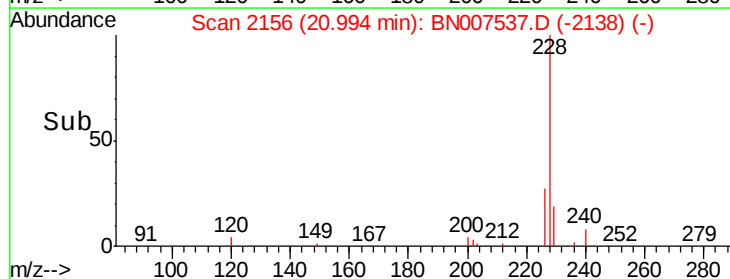
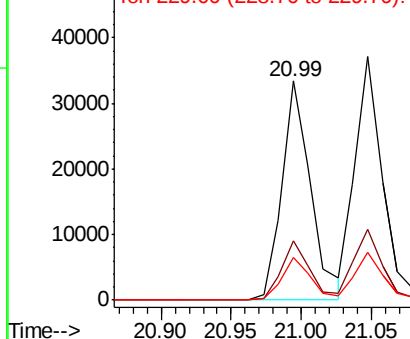
228 100

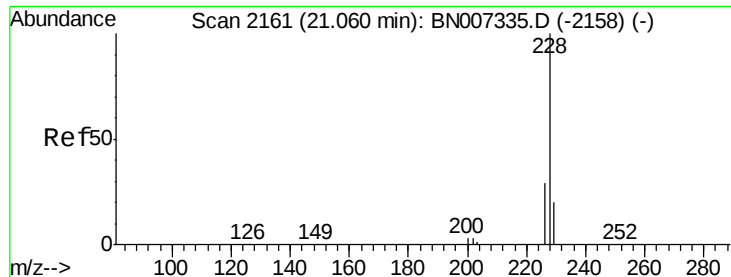
226 27.0 21.3 31.9

229 19.7 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

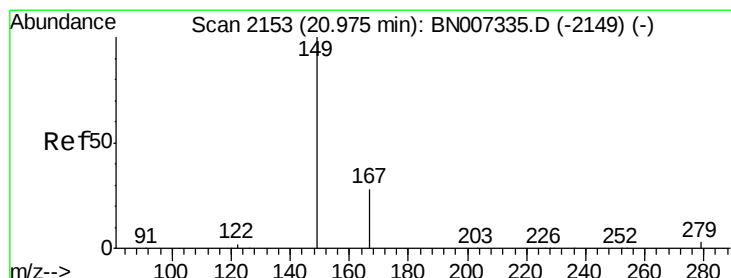
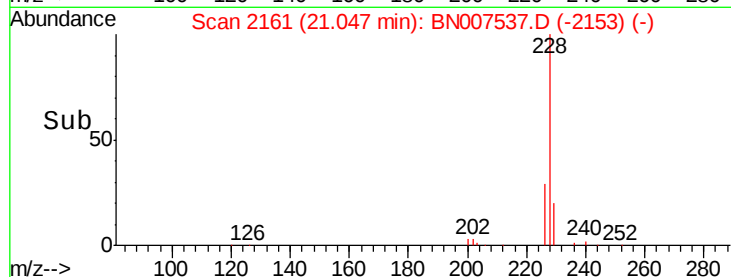
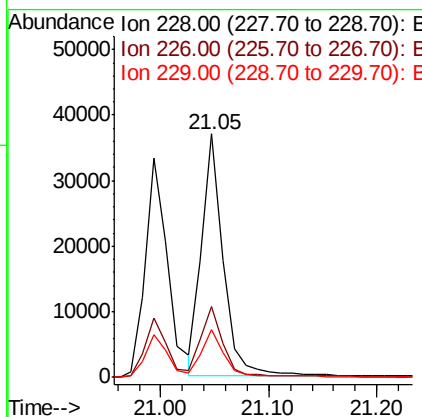
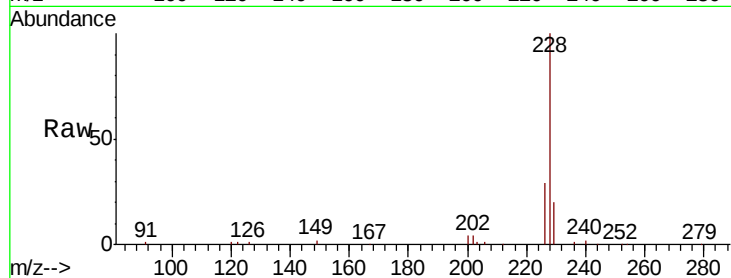




#31
Chrysene
Concen: 0.391 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007537.D
Acq: 05 Sep 2019 17:36

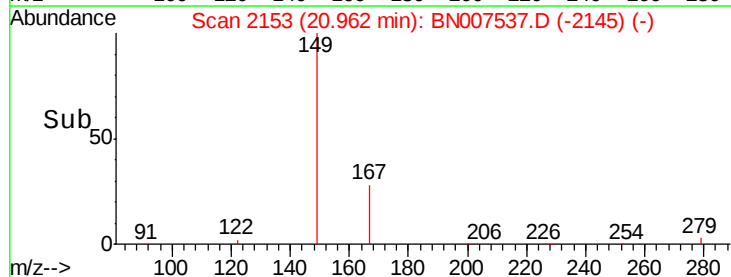
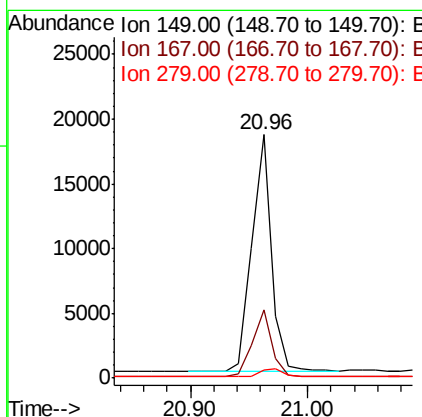
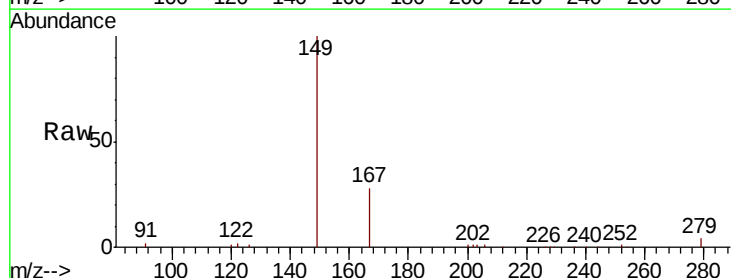
Instrument :
BNA_N
ClientSampleId :
PB122822BS

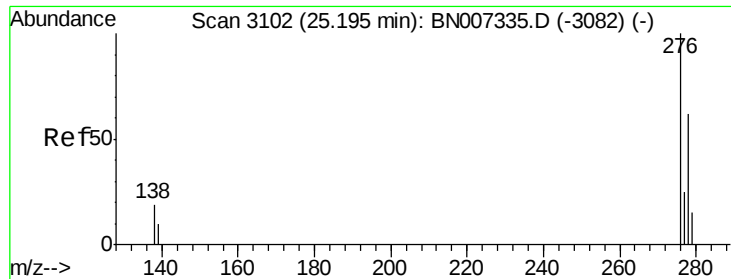
Tot Ion:228 Resp: 50374
Ion Ratio Lower Upper
228 100
226 29.2 23.5 35.3
229 19.8 16.6 24.8



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.231 ng
RT: 20.96 min Scan# 2153
Delta R.T. -0.01 min
Lab File: BN007537.D
Acq: 05 Sep 2019 17:36

Tgt Ion:149 Resp: 21534
Ion Ratio Lower Upper
149 100
167 27.6 22.8 34.2
279 4.3 3.5 5.3





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.317 ng

RT: 25.17 min Scan# 3097

Delta R.T. -0.02 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PB122822BS

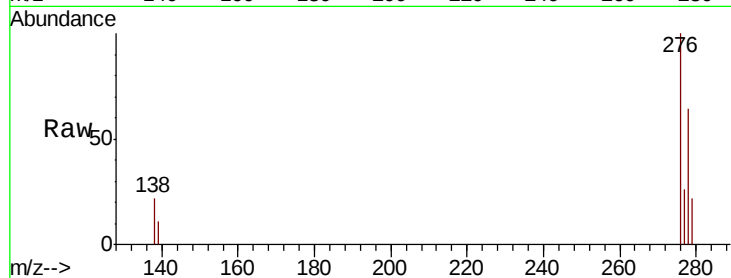
Tot Ion:276 Resp: 49198

Ion Ratio Lower Upper

276 100

138 23.0 15.1 22.7#

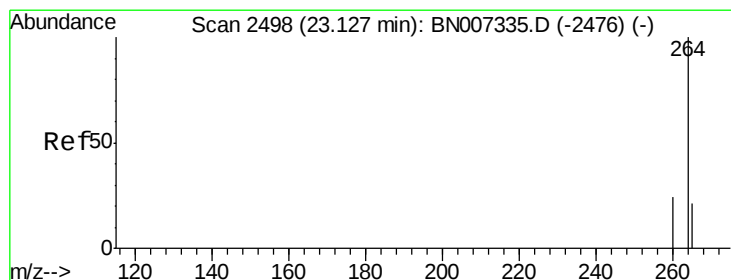
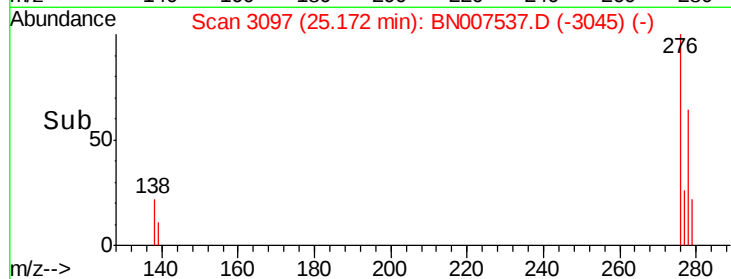
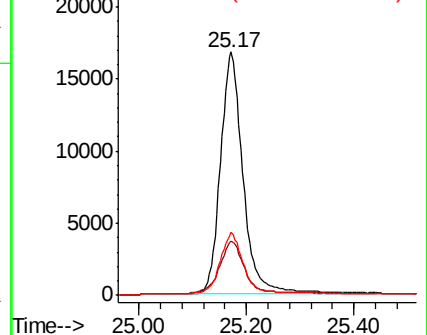
277 24.8 19.7 29.5



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: 23.11 min Scan# 2495

Delta R.T. -0.02 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

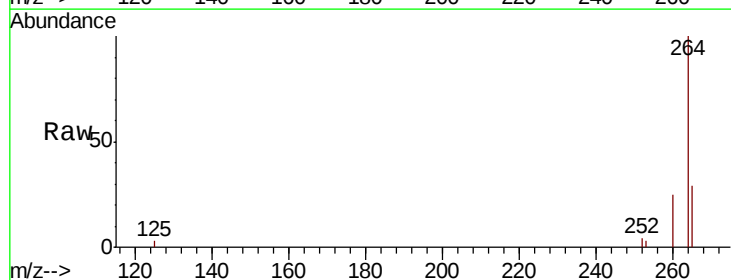
Tgt Ion:264 Resp: 32278

Ion Ratio Lower Upper

264 100

260 24.6 19.7 29.5

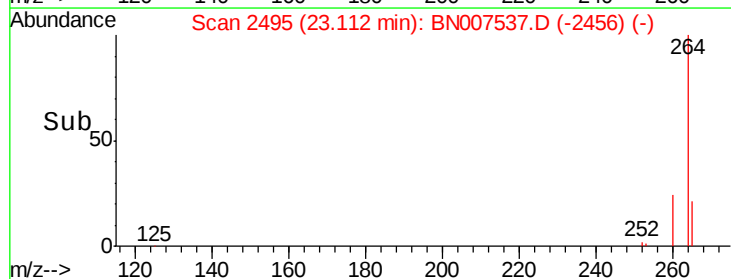
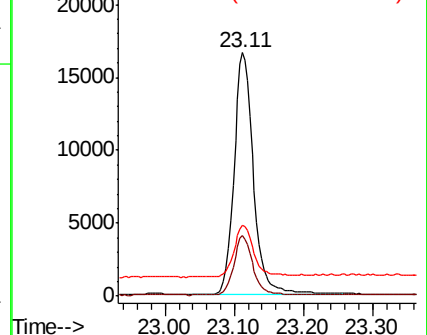
265 29.0 29.9 44.9#

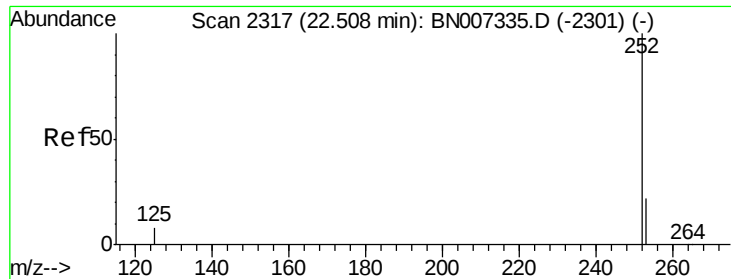


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.394 ng

RT: 22.50 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PB122822BS

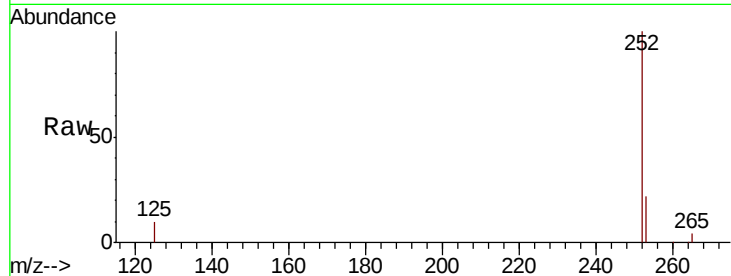
Tot Ion:252 Resp: 46099

Ion Ratio Lower Upper

252 100

253 22.4 19.2 28.8

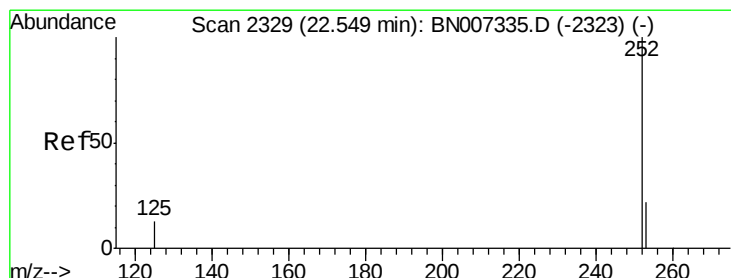
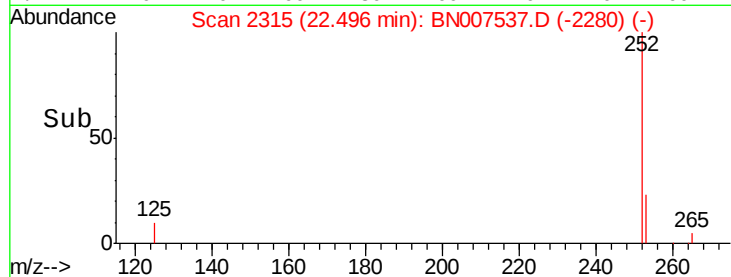
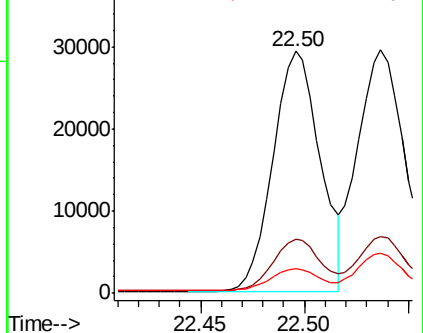
125 10.3 10.6 16.0#



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: 0.435 ng

RT: 22.54 min Scan# 2327

Delta R.T. -0.01 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

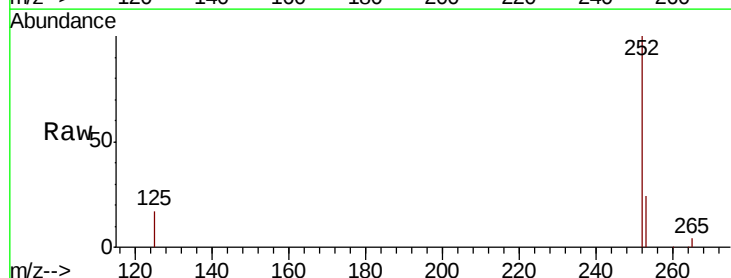
Tgt Ion:252 Resp: 50264

Ion Ratio Lower Upper

252 100

253 23.5 19.4 29.2

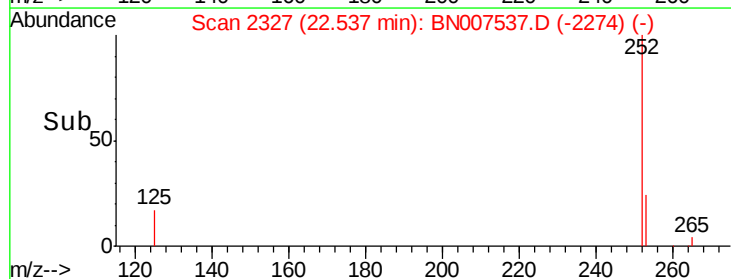
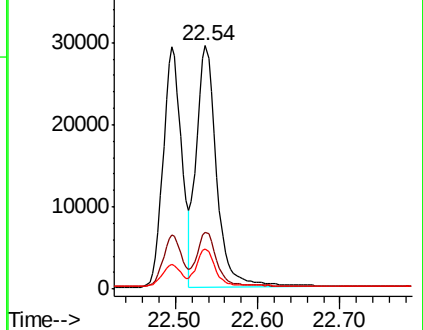
125 16.7 13.1 19.7

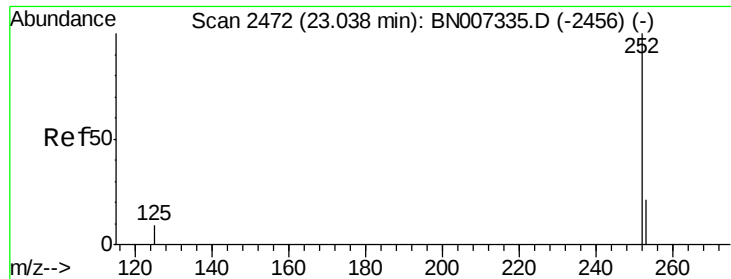


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.367 ng

RT: 23.02 min Scan# 2469

Delta R.T. -0.02 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PB122822BS

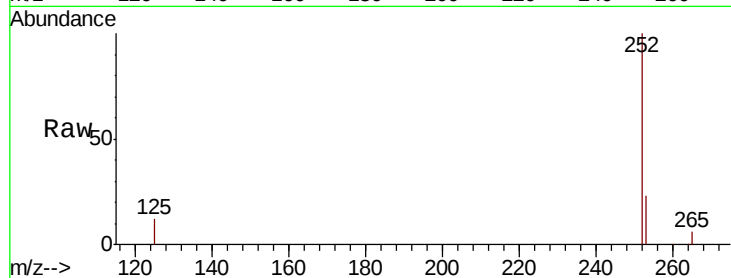
Tot Ion:252 Resp: 40877

Ion Ratio Lower Upper

252 100

253 22.9 19.5 29.3

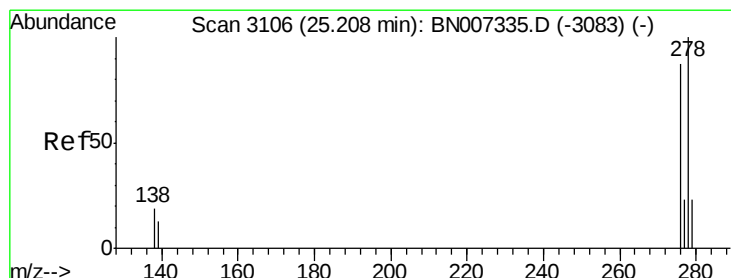
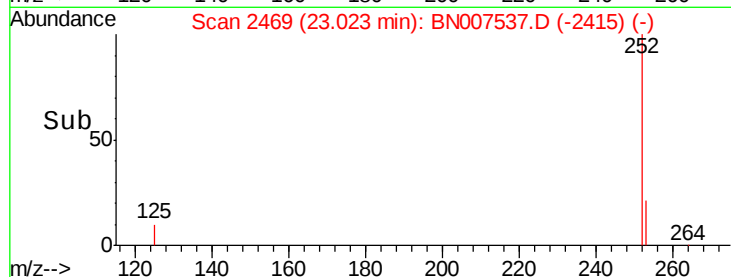
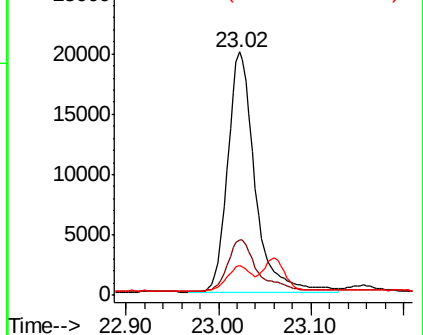
125 12.2 12.1 18.1



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: 0.342 ng

RT: 25.18 min Scan# 3100

Delta R.T. -0.03 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

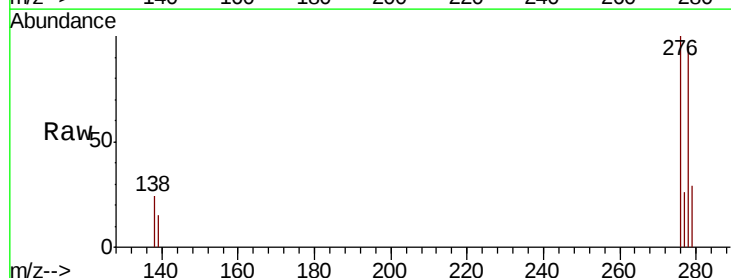
Tgt Ion:278 Resp: 38003

Ion Ratio Lower Upper

278 100

139 15.9 13.7 20.5

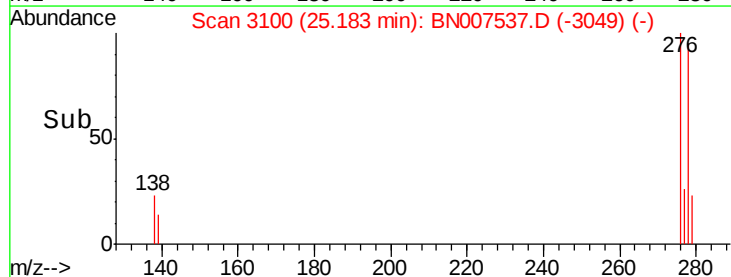
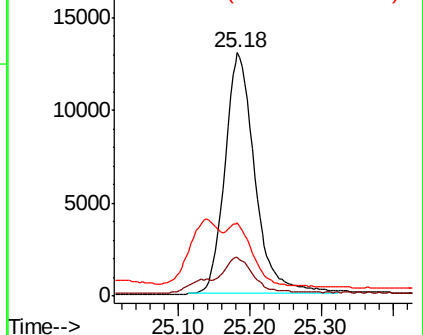
279 29.9 20.2 30.4

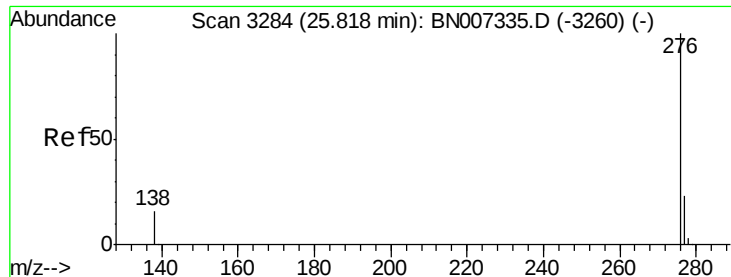


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.360 ng

RT: 25.79 min Scan# 3278

Delta R.T. -0.03 min

Lab File: BN007537.D

Acq: 05 Sep 2019 17:36

Instrument :

BNA_N

ClientSampleId :

PB122822BS

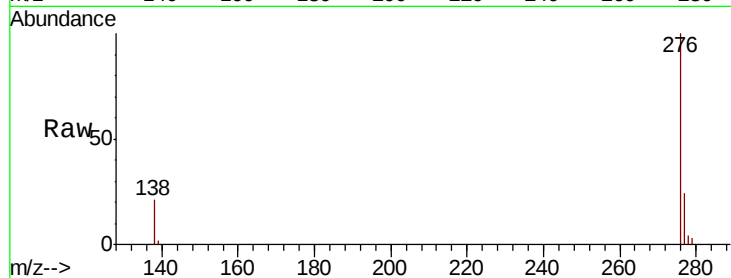
Tot Ion:276 Resp: 39794

Ion Ratio Lower Upper

276 100

277 24.0 19.6 29.4

138 20.6 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

