

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090619\
 Data File : BN007549.D
 Acq On : 06 Sep 2019 19:36
 Operator : HP/JU
 Sample : PB122863BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB122863BS

Quant Time: Sep 07 00:03:01 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	5508	0.40	ng	-0.02
7) Naphthalene-d8	10.14	136	22415	0.40	ng	-0.03
13) Acenaphthene-d10	14.03	164	11960	0.40	ng	-0.02
19) Phenanthrene-d10	16.79	188	27588	0.40	ng	0.00
27) Chrysene-d12	21.02	240	26618	0.40	ng	0.00
34) Perylene-d12	23.11	264	29472	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.02	112	6473	0.33	ng	-0.02
5) Phenol-d6	6.58	99	7692	0.31	ng	0.00
8) Nitrobenzene-d5	8.53	82	6784	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	13750	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.54	330	1769	0.28	ng	-0.02
15) 2-Fluorobiphenyl	12.65	172	19435	0.40	ng	0.00
25) Fluoranthene-d10	18.83	212	31730	0.36	ng	-0.01
29) Terphenyl-d14	19.46	244	26355	0.38	ng	-0.01

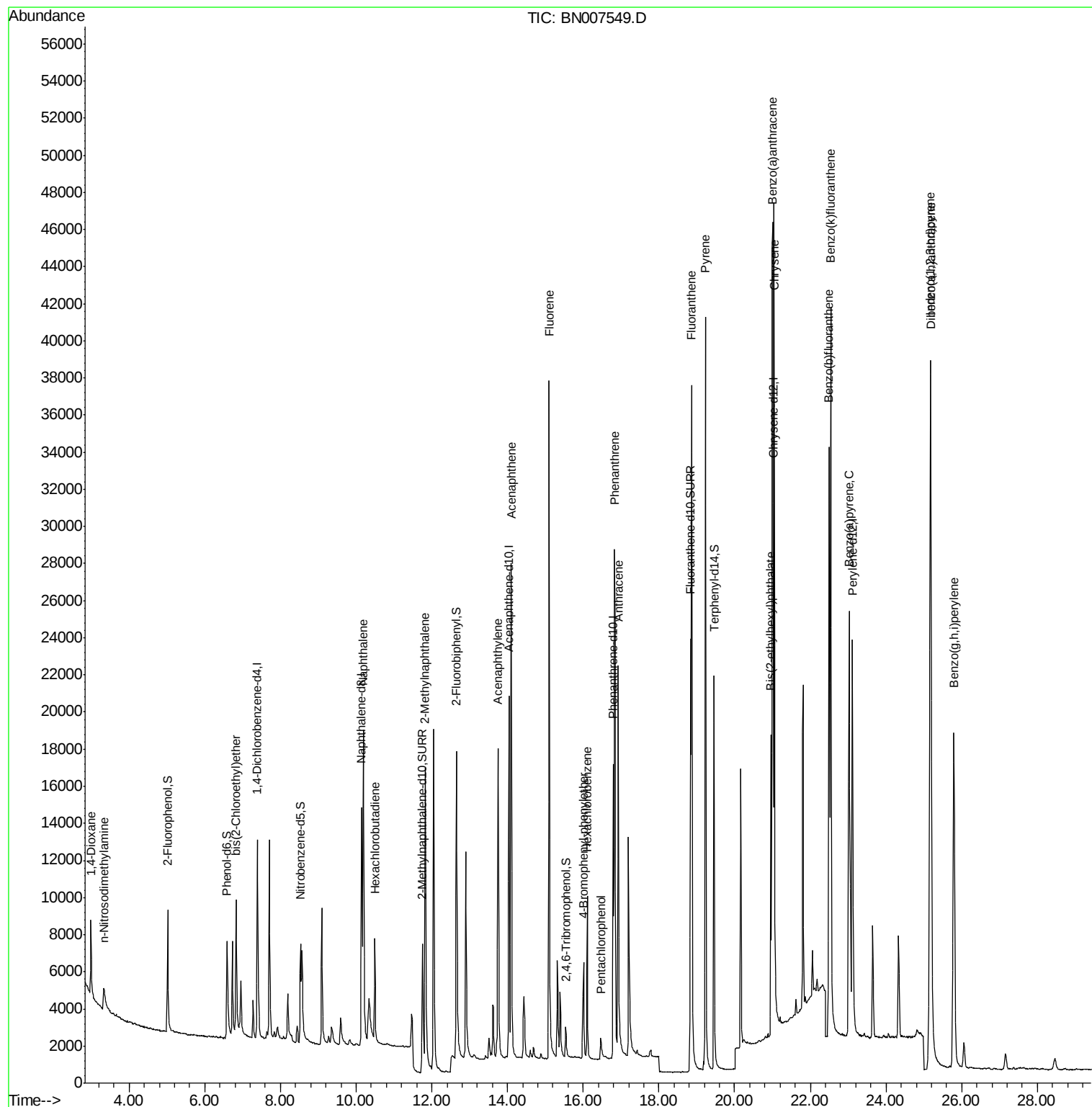
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.00	88	3984	0.435	ng	# 84
3) n-Nitrosodimethylamine	3.33	42	1073	0.252	ng	# 60
6) bis(2-Chloroethyl)ether	6.83	93	7242	0.364	ng	99
9) Naphthalene	10.19	128	25574	0.399	ng	# 90
10) Hexachlorobutadiene	10.49	225	4706	0.359	ng	# 100
12) 2-Methylnaphthalene	11.82	142	16716	0.383	ng	94
16) Acenaphthylene	13.74	152	23415	0.331	ng	99
17) Acenaphthene	14.10	154	16297	0.394	ng	97
18) Fluorene	15.09	166	20295	0.388	ng	99
20) 4-Bromophenyl-phenylether	16.01	248	2359	0.217	ng	# 92
21) Hexachlorobenzene	16.10	284	7348	0.397	ng	96
22) Pentachlorophenol	16.46	266	1254	0.218	ng	# 64
23) Phenanthrene	16.83	178	33197	0.400	ng	99
24) Anthracene	16.92	178	28228	0.338	ng	99
26) Fluoranthene	18.86	202	39258	0.368	ng	99
28) Pyrene	19.23	202	40432	0.378	ng	99
30) Benzo(a)anthracene	20.99	228	36428	0.348	ng	99
31) Chrysene	21.05	228	39267	0.389	ng	99
32) Bis(2-ethylhexyl)phthalate	20.96	149	15610	0.212	ng	98
33) Indeno(1,2,3-cd)pyrene	25.17	276	49173	0.405	ng	# 94
35) Benzo(b)fluoranthene	22.50	252	40029	0.375	ng	# 97
36) Benzo(k)fluoranthene	22.54	252	45918	0.435	ng	# 93
37) Benzo(a)pyrene	23.02	252	38334	0.377	ng	96
38) Dibenzo(a,h)anthracene	25.19	278	38979	0.384	ng	98
39) Benzo(g,h,i)perylene	25.79	276	39184	0.388	ng	99

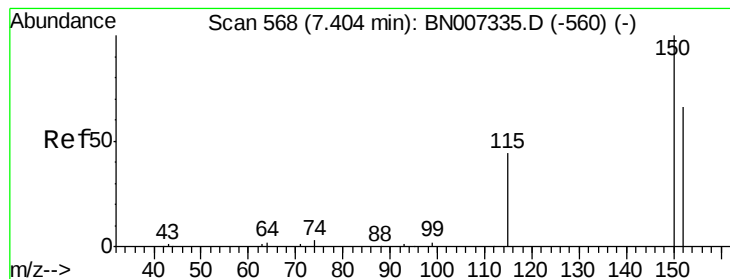
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

BNA_N

ClientSampleId :

PB122863BS

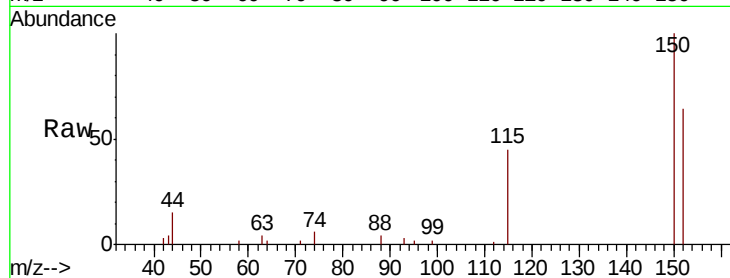
Tot Ion:152 Resp: 5508

Ion Ratio Lower Upper

152 100

150 156.7 109.1 163.7

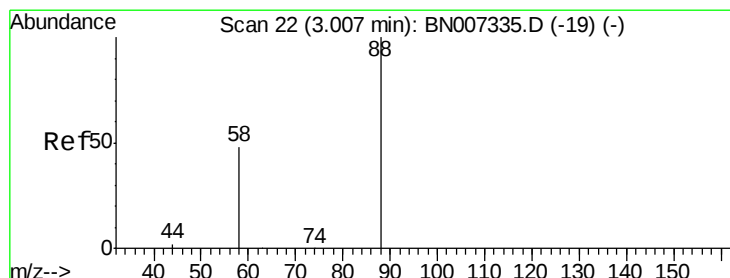
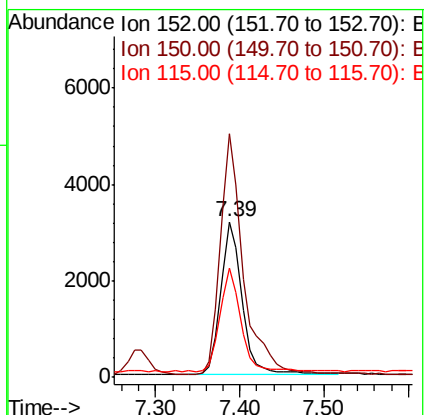
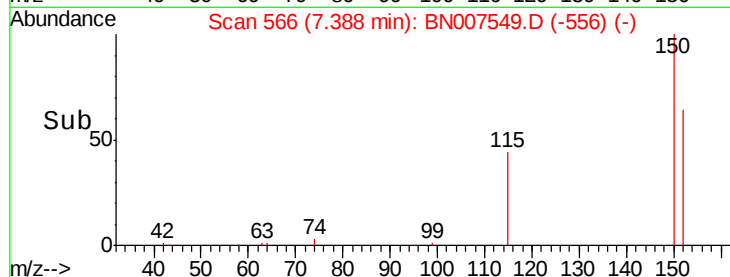
115 70.6 59.6 89.4



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: 0.435 ng

RT: 3.00 min Scan# 21

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

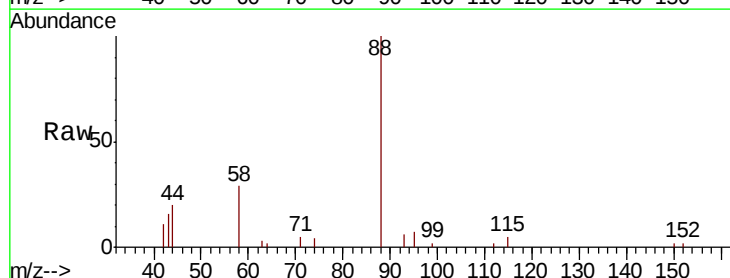
Tgt Ion: 88 Resp: 3984

Ion Ratio Lower Upper

88 100

58 50.6 50.5 75.7

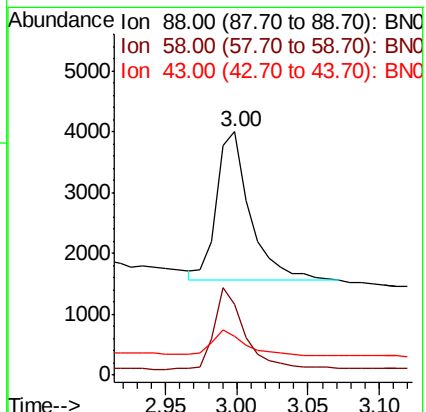
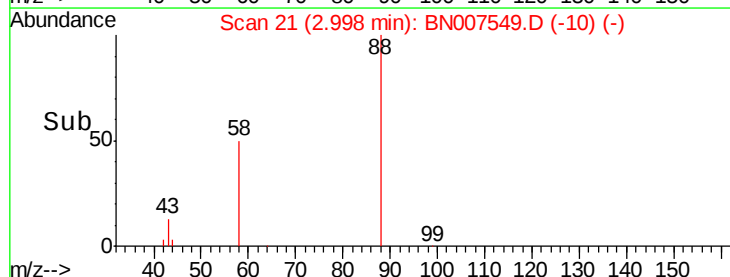
43 16.1 0.0 0.0#



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: 0.252 ng

RT: 3.33 min Scan# 62

Delta R.T. -0.00 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

BNA_N

ClientSampled :

PB122863BS

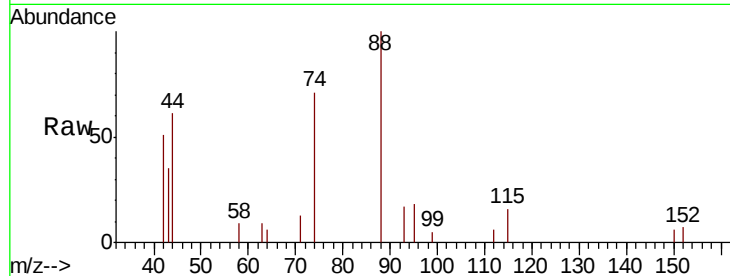
Tot Ion: 42 Resp: 1073

Ion Ratio Lower Upper

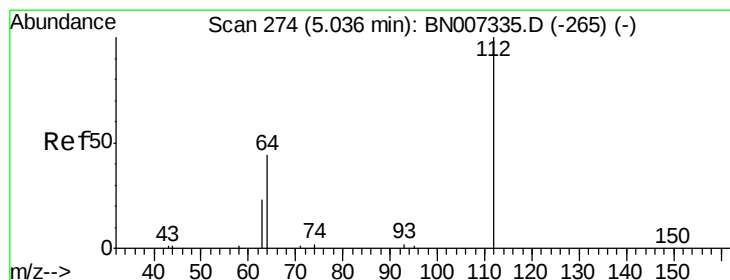
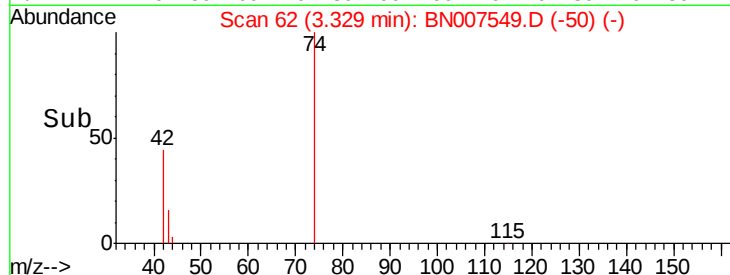
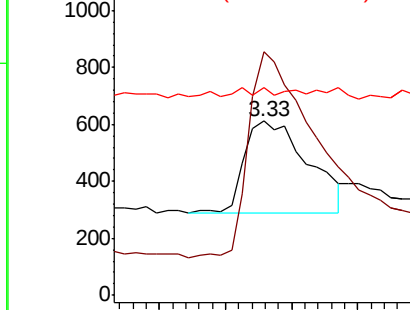
42 100

74 238.2 144.7 217.1#

44 2.4 3.2 4.8#



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



#4

2-Fluorophenol

Concen: 0.334 ng

RT: 5.02 min Scan# 272

Delta R.T. -0.02 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

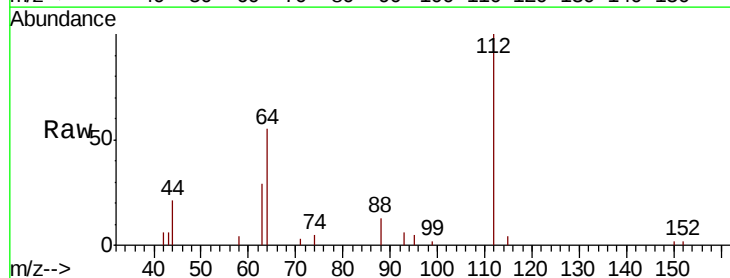
Tgt Ion: 112 Resp: 6473

Ion Ratio Lower Upper

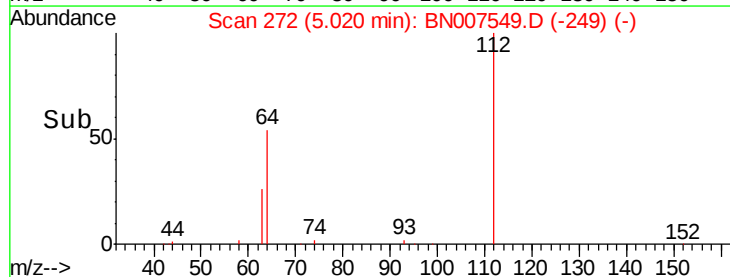
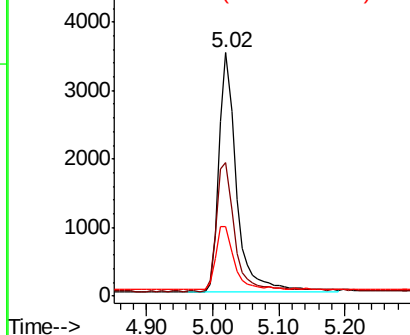
112 100

64 56.5 42.3 63.5

63 27.7 23.6 35.4



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





#5

Phenol-d6

Concen: 0.310 ng

RT: 6.58 min Scan# 466

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

BNA_N

ClientSampleId :

PB122863BS

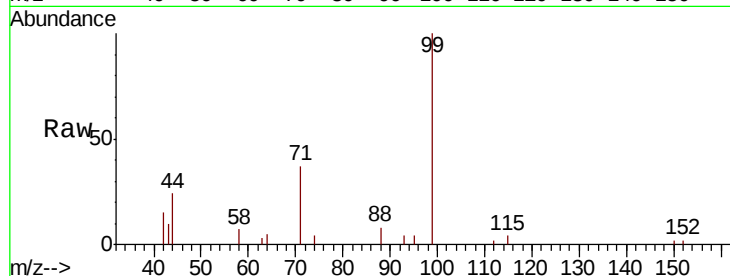
Tot Ion: 99 Resp: 7692

Ion Ratio Lower Upper

99 100

42 11.0 11.2 16.8#

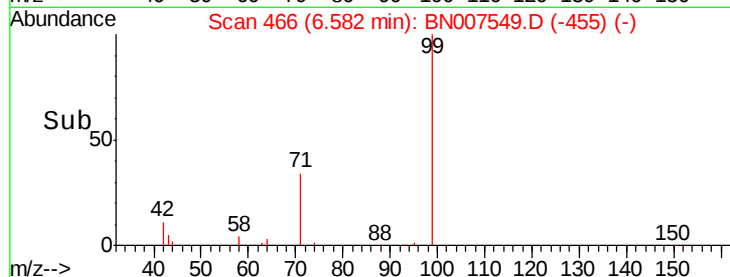
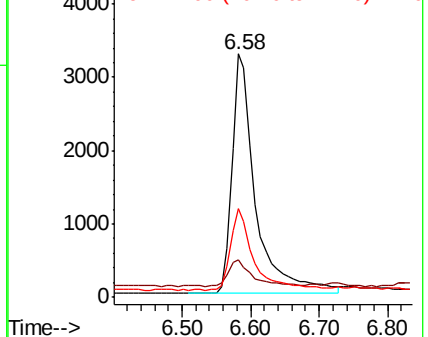
71 34.0 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007335.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007335.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007335.D (-462) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.364 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

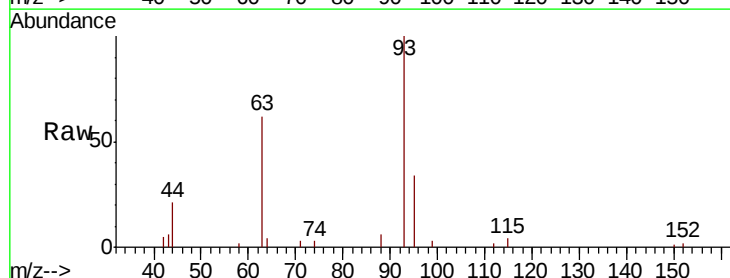
Tgt Ion: 93 Resp: 7242

Ion Ratio Lower Upper

93 100

63 66.6 51.9 77.9

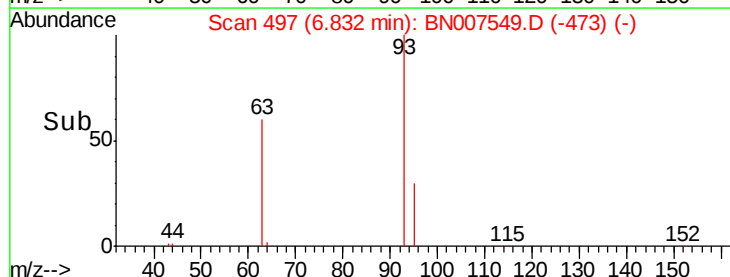
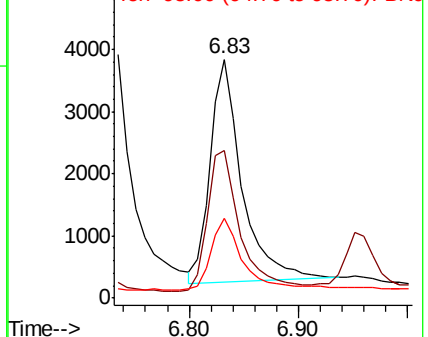
95 34.6 27.7 41.5



Abundance Ion 93.00 (92.70 to 93.70): BN007335.D (-494) (-)

Ion 63.00 (62.70 to 63.70): BN007335.D (-494) (-)

Ion 95.00 (94.70 to 95.70): BN007335.D (-494) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.14 min Scan# 825

Delta R.T. -0.03 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

BNA_N

ClientSampleId :

PB122863BS

Tot Ion:136 Resp: 22415

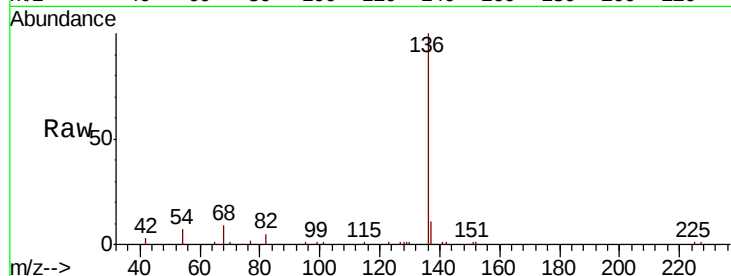
Ion Ratio Lower Upper

136 100

137 11.4 12.9 19.3#

54 6.5 8.6 12.8#

68 8.6 17.0 25.4#

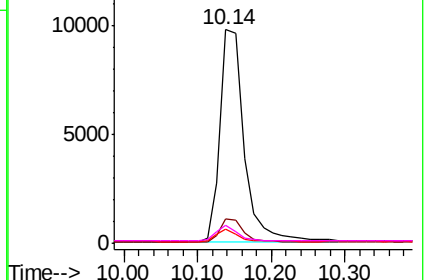
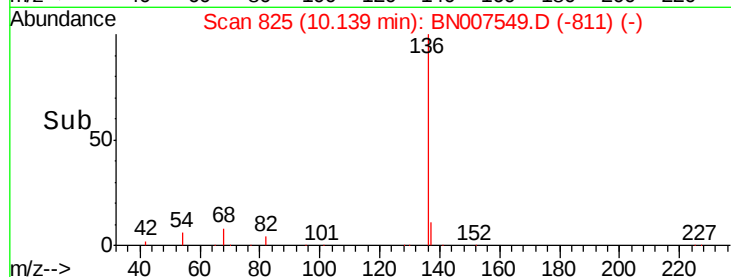


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.348 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

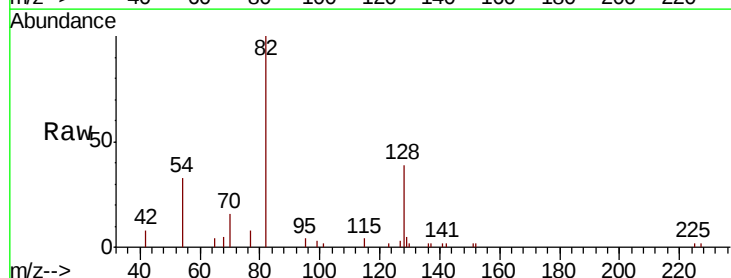
Tgt Ion: 82 Resp: 6784

Ion Ratio Lower Upper

82 100

128 38.5 19.7 29.5#

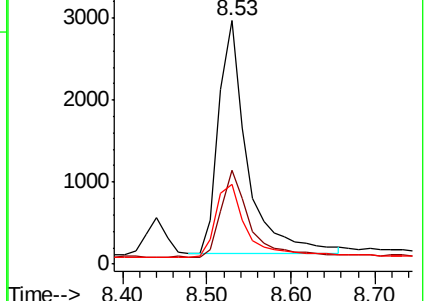
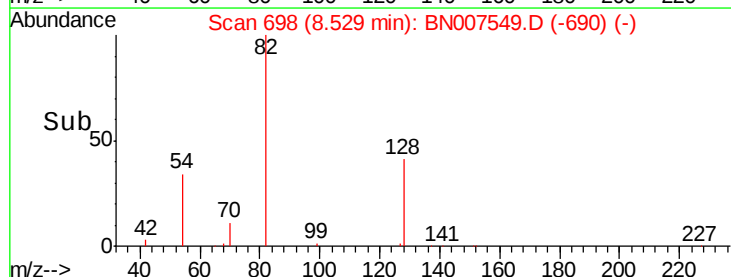
54 32.5 25.8 38.6



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: 0.399 ng

RT: 10.19 min Scan# 829

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

BNA_N

ClientSampleId :

PB122863BS

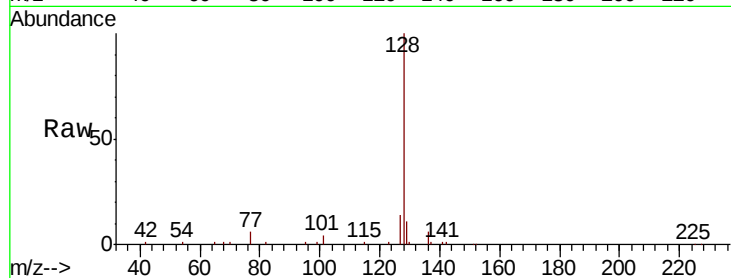
Tot Ion:128 Resp: 25574

Ion Ratio Lower Upper

128 100

129 11.4 11.1 16.7

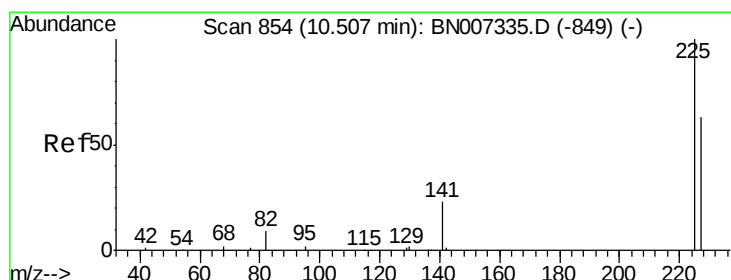
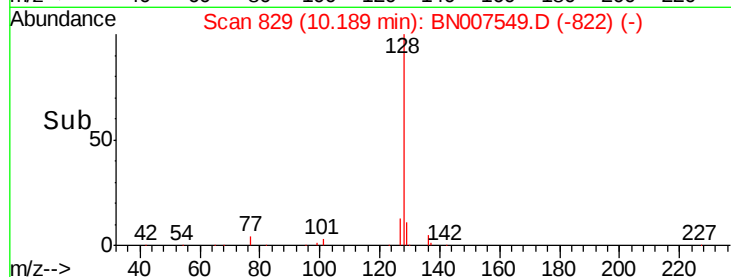
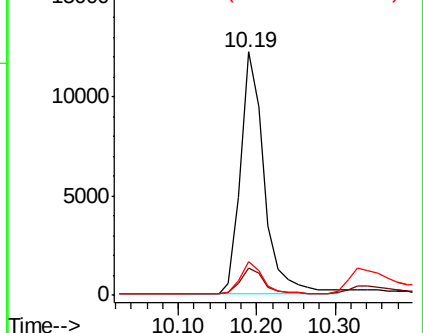
127 13.7 15.5 23.3#



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: 0.359 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

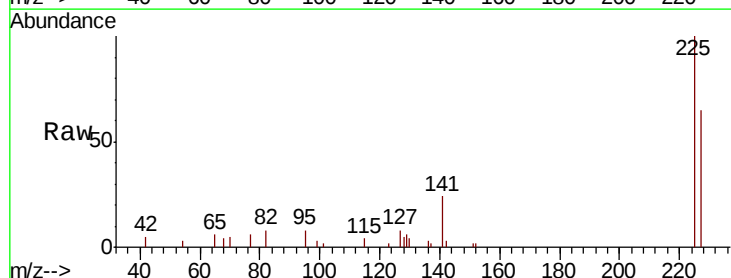
Tgt Ion:225 Resp: 4706

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

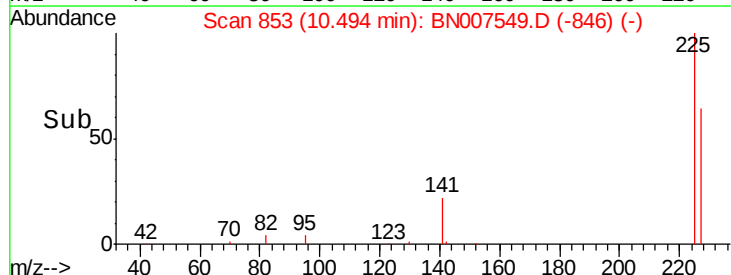
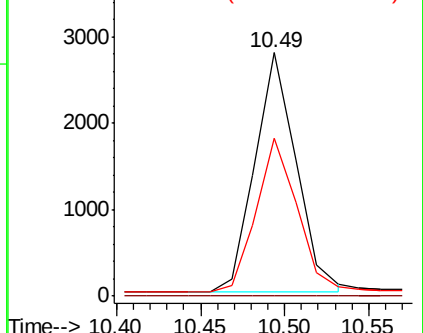
227 63.7 50.7 76.1

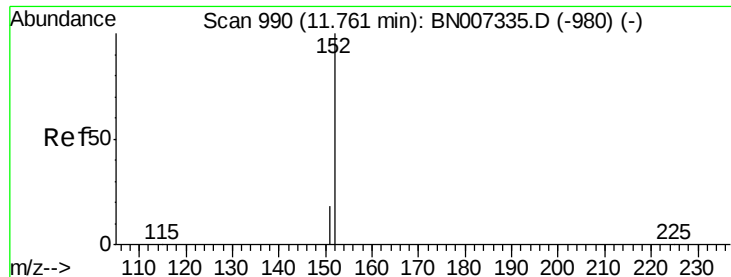


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

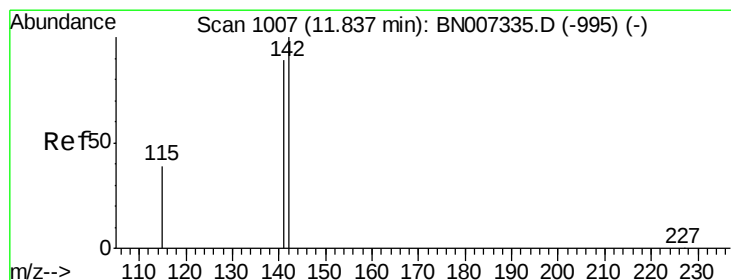
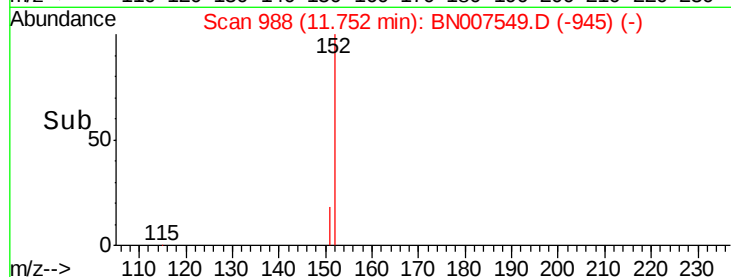
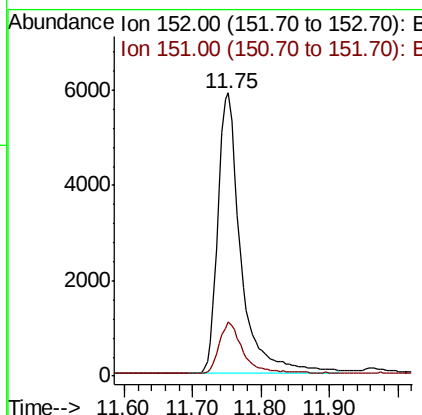
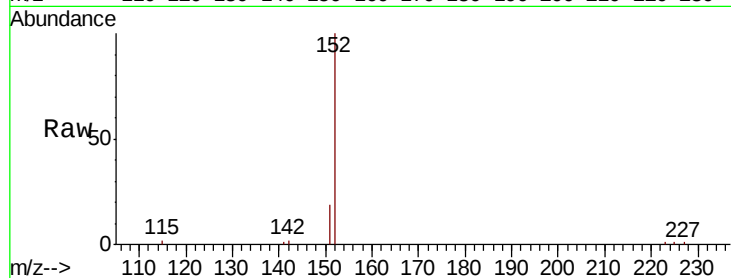




#11
2-Methylnaphthalene-d10
Concen: 0.369 ng
RT: 11.75 min Scan# 988
Delta R.T. -0.01 min
Lab File: BN007549.D
Acq: 06 Sep 2019 19:36

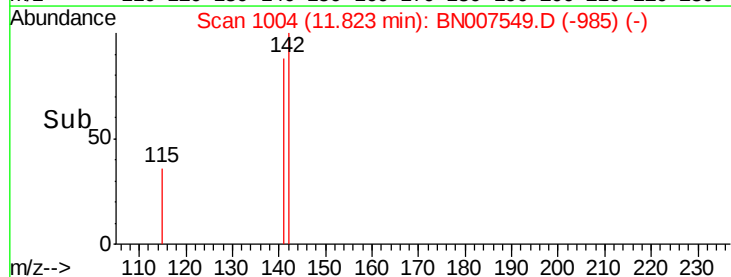
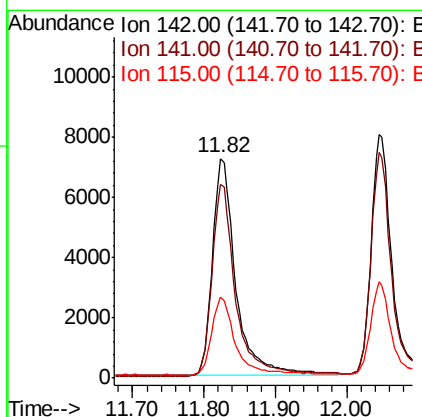
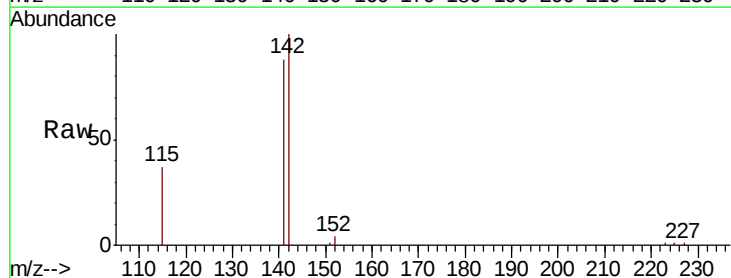
Instrument :
BNA_N
ClientSampleId :
PB122863BS

Tot Ion:152 Resp: 13750
Ion Ratio Lower Upper
152 100
151 18.9 16.2 24.2



#12
2-Methylnaphthalene
Concen: 0.383 ng
RT: 11.82 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BN007549.D
Acq: 06 Sep 2019 19:36

Tgt Ion:142 Resp: 16716
Ion Ratio Lower Upper
142 100
141 88.0 72.8 109.2
115 36.8 35.2 52.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

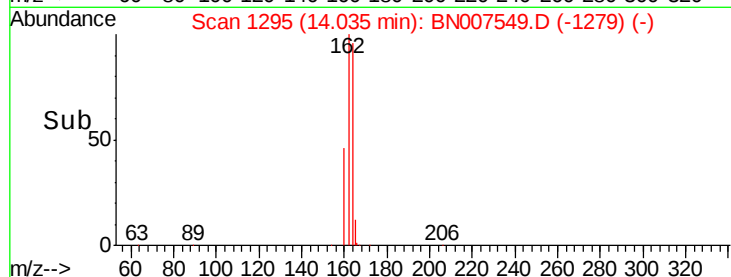
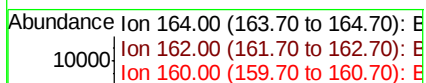
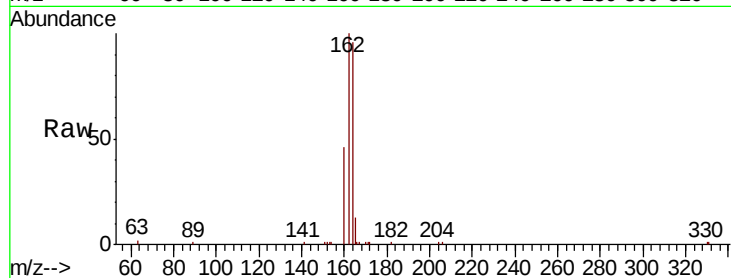
BNA_N

ClientSampleId :

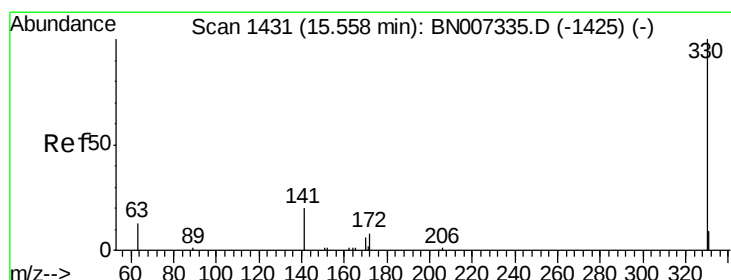
PB122863BS

Tot Ion:164 Resp: 11960

Ion	Ratio	Lower	Upper
164	100		
162	104.1	83.5	125.3
160	47.8	38.2	57.4



Time-->



#14

2,4,6-Tribromophenol

Concen: 0.283 ng

RT: 15.54 min Scan# 1430

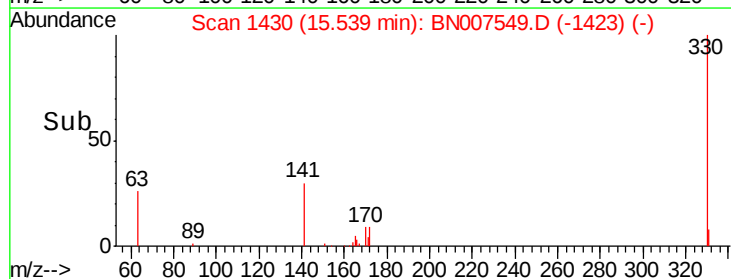
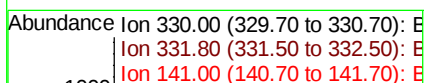
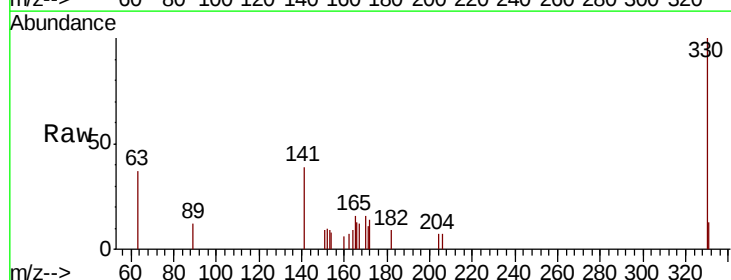
Delta R.T. -0.02 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

Tgt Ion:330 Resp: 1769

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.9	26.9	40.3



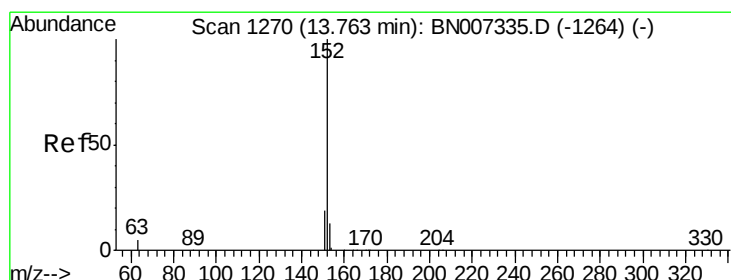
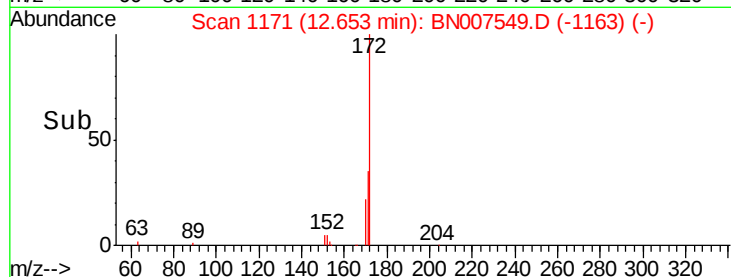
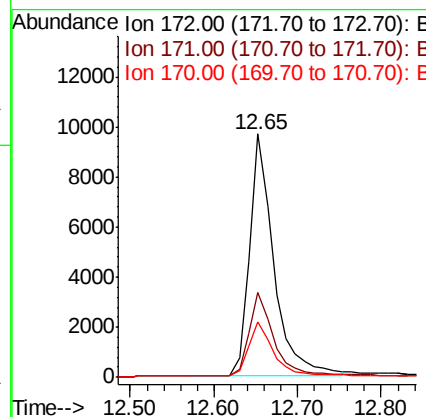
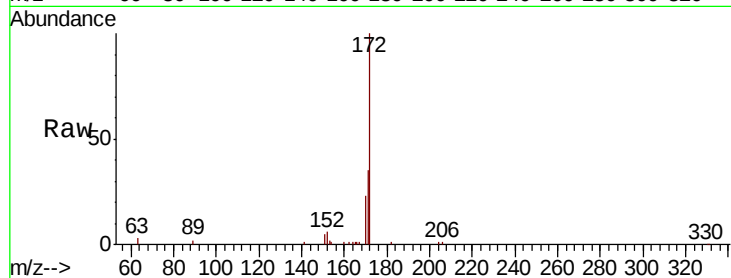
Time-->



#15
2-Fluorobiphenyl
Concen: 0.403 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007549.D
Acq: 06 Sep 2019 19:36

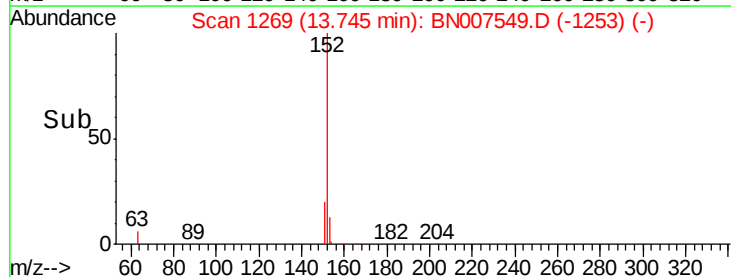
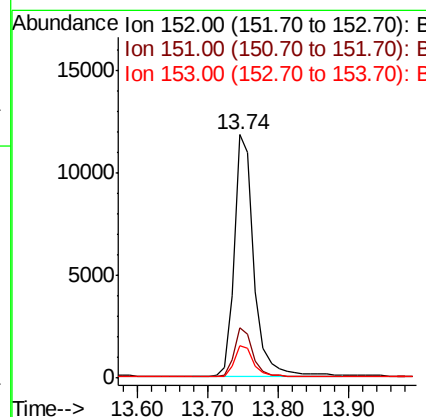
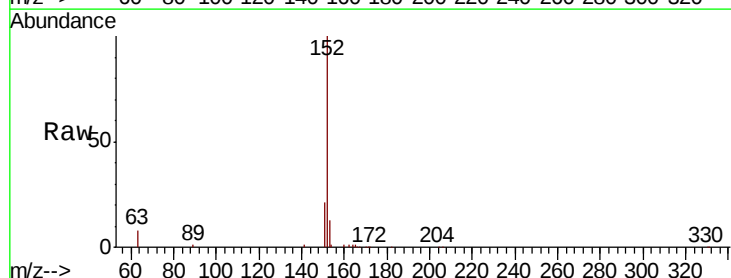
Instrument :
BNA_N
ClientSampleId :
PB122863BS

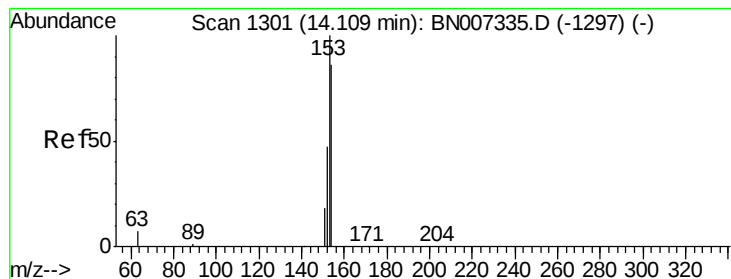
Tot Ion:172 Resp: 19435
Ion Ratio Lower Upper
172 100
171 35.1 30.3 45.5
170 22.6 20.7 31.1



#16
Acenaphthylene
Concen: 0.331 ng
RT: 13.74 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BN007549.D
Acq: 06 Sep 2019 19:36

Tgt Ion:152 Resp: 23415
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1
153 13.1 10.6 15.8





#17

Acenaphthene

Concen: 0.394 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

BNA_N

ClientSampleId :

PB122863BS

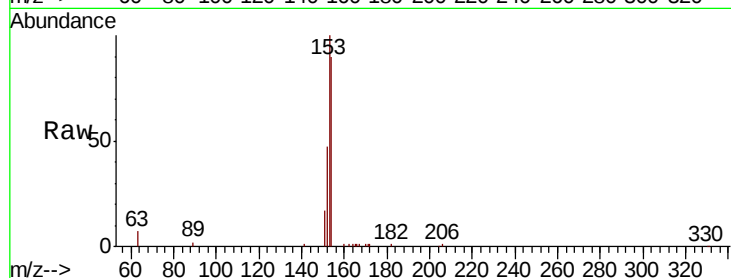
Tot Ion:154 Resp: 16297

Ion Ratio Lower Upper

154 100

153 112.8 92.8 139.2

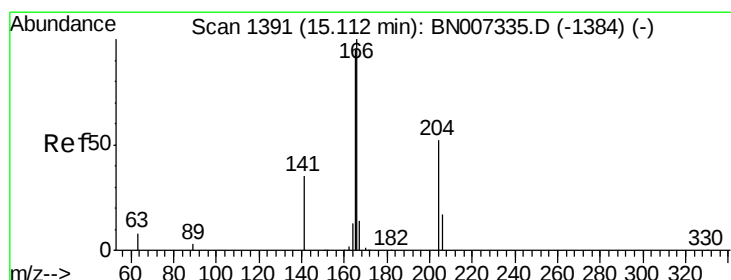
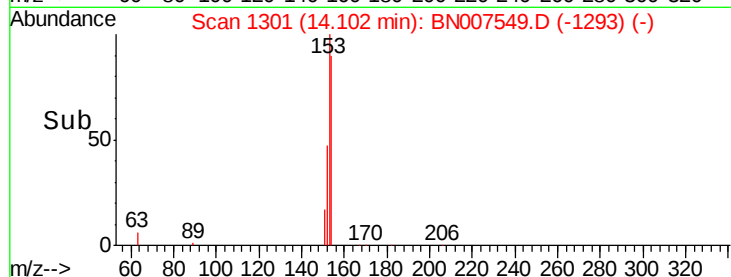
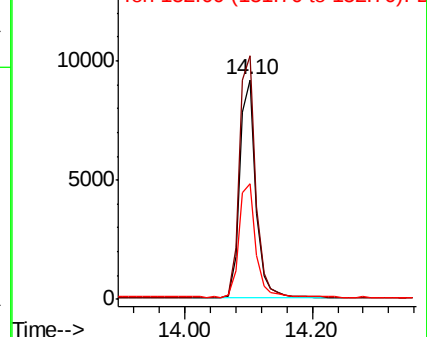
152 53.6 43.8 65.8



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: 0.388 ng

RT: 15.09 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

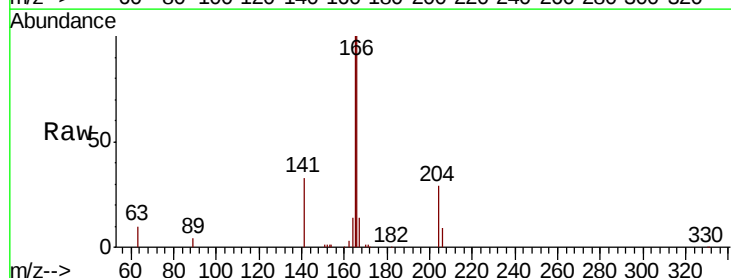
Tgt Ion:166 Resp: 20295

Ion Ratio Lower Upper

166 100

165 98.1 79.0 118.4

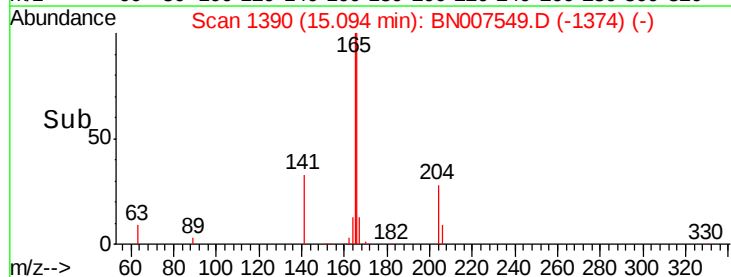
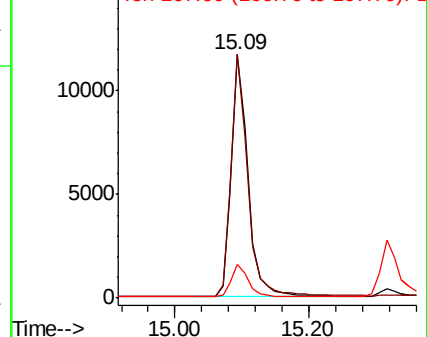
167 13.3 10.6 15.8



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: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

BNA_N

ClientSampleId :

PB122863BS

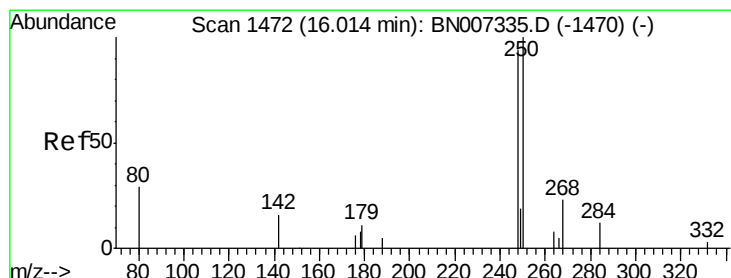
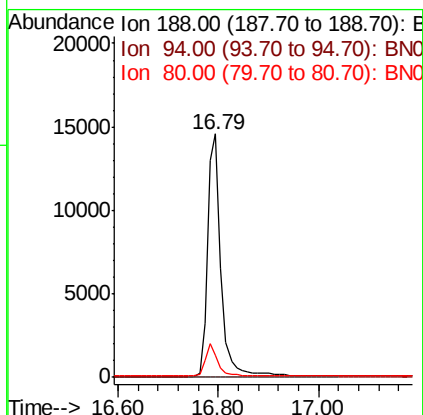
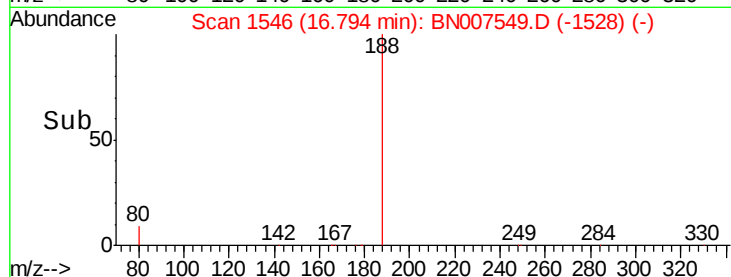
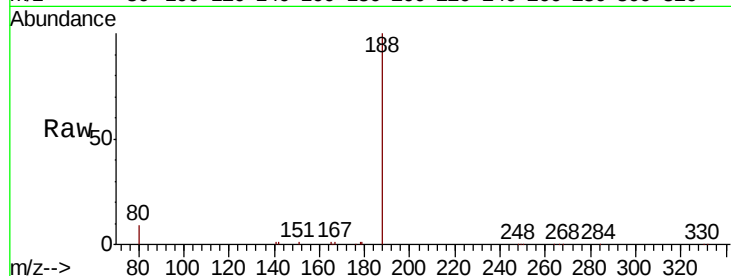
Tot Ion:188 Resp: 27588

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.3 11.8 17.8#



#20

4-Bromophenyl-phenylether

Concen: 0.217 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

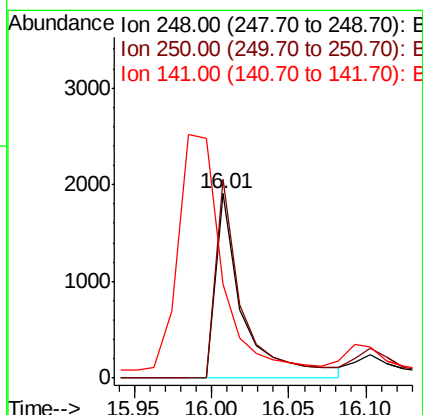
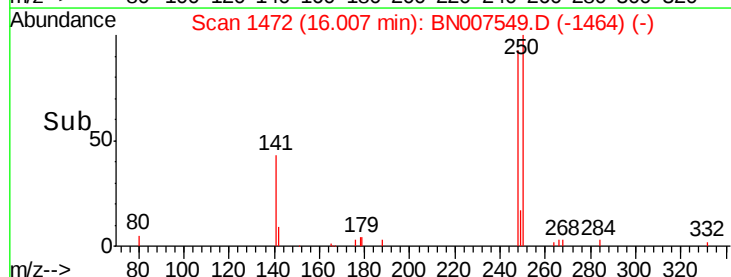
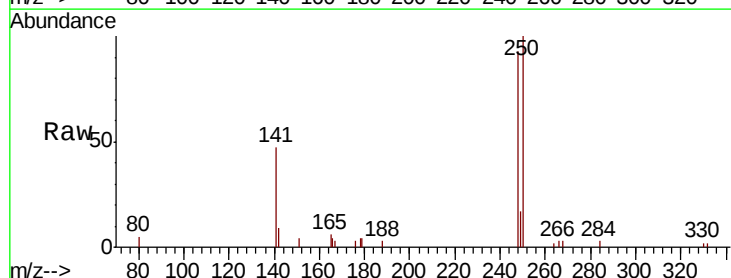
Tgt Ion:248 Resp: 2359

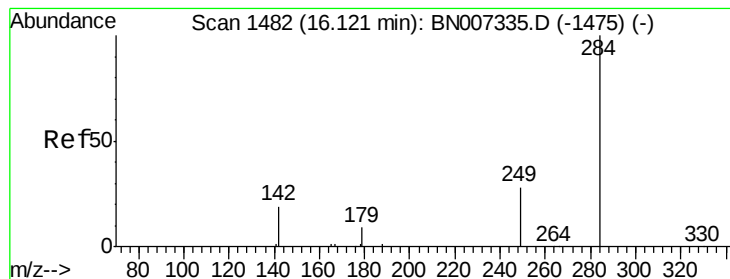
Ion Ratio Lower Upper

248 100

250 107.9 85.0 127.6

141 50.9 51.7 77.5#





#21

Hexachlorobenzene

Concen: 0.397 ng

RT: 16.10 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

BNA_N

ClientSampleId :

PB122863BS

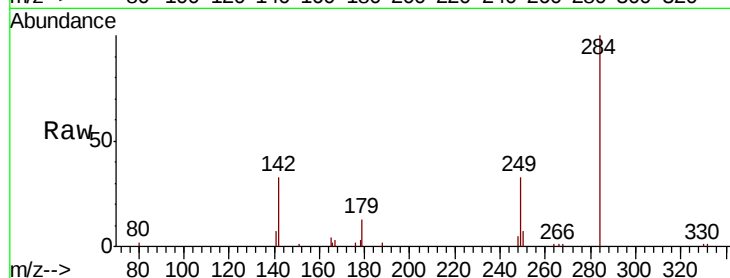
Tot Ion:284 Resp: 7348

Ion Ratio Lower Upper

284 100

142 33.1 29.0 43.6

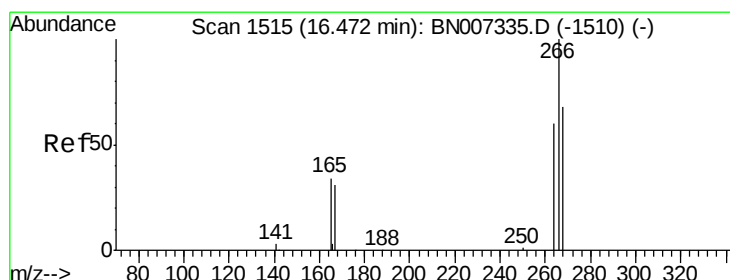
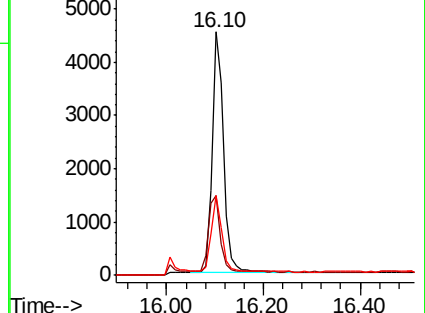
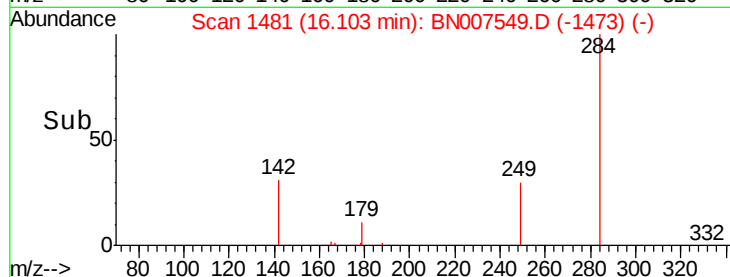
249 29.5 24.9 37.3



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: 0.218 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

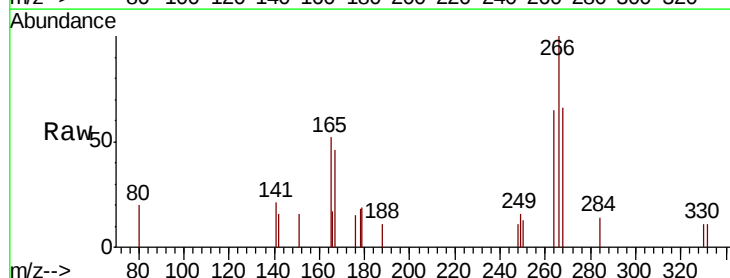
Tgt Ion:266 Resp: 1254

Ion Ratio Lower Upper

266 100

264 65.2 57.8 86.8

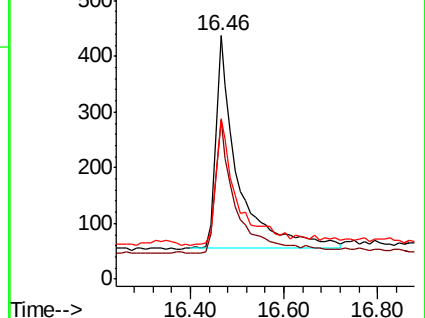
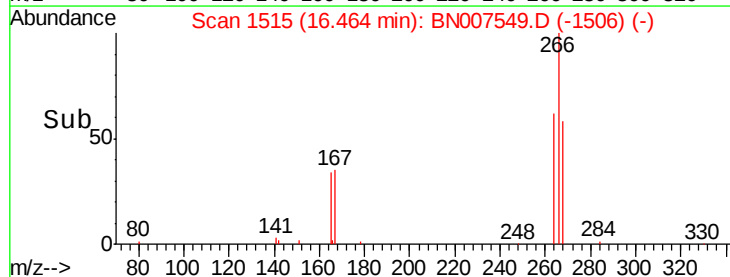
268 65.7 99.7 149.5#



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: 0.400 ng

RT: 16.83 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

BNA_N

ClientSampleId :

PB122863BS

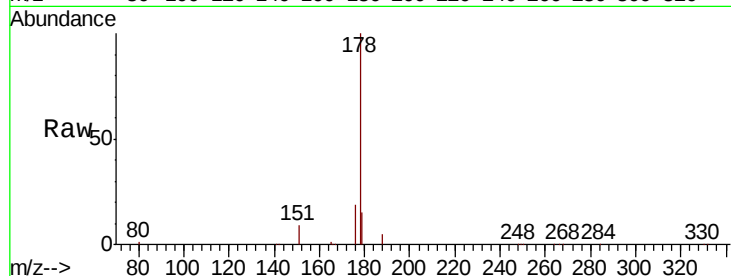
Tot Ion:178 Resp: 33197

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

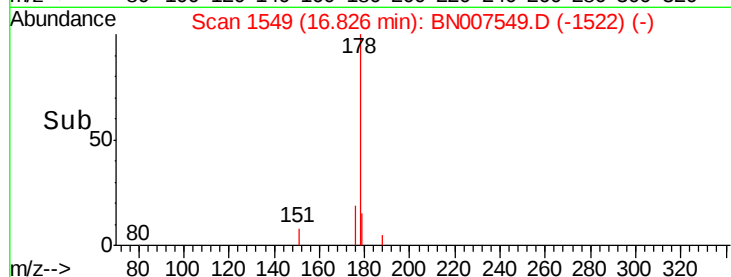
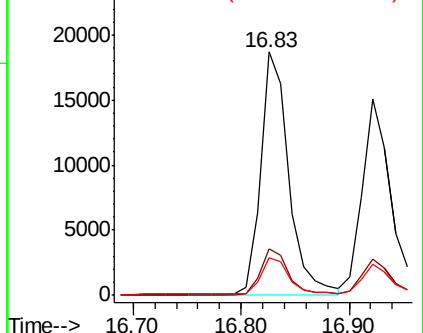
179 15.4 12.6 19.0



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: 0.338 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

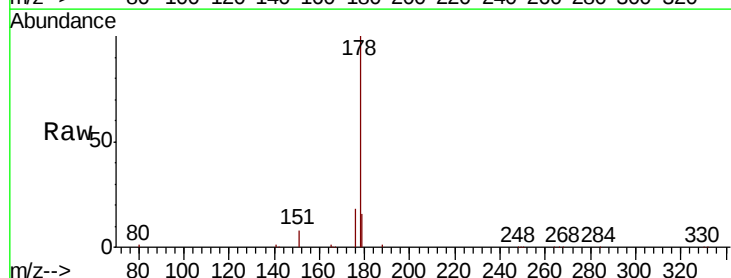
Tgt Ion:178 Resp: 28228

Ion Ratio Lower Upper

178 100

176 18.3 14.9 22.3

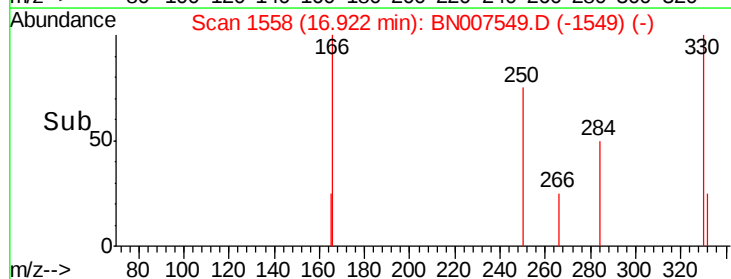
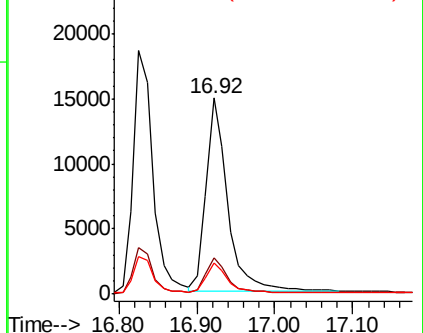
179 15.4 12.4 18.6

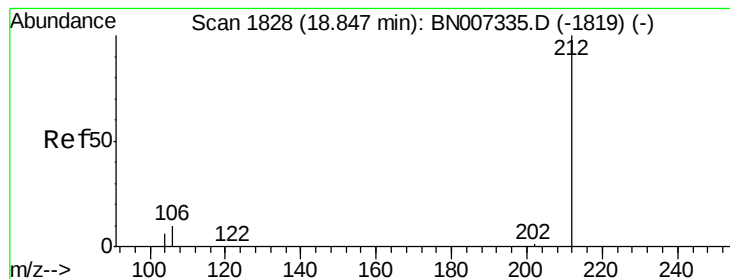


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.357 ng

RT: 18.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

BNA_N

ClientSampleId :

PB122863BS

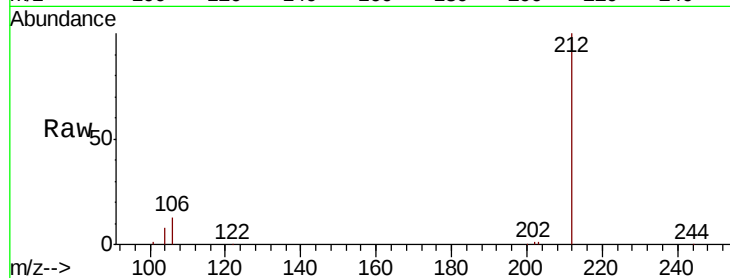
Tot Ion:212 Resp: 31730

Ion Ratio Lower Upper

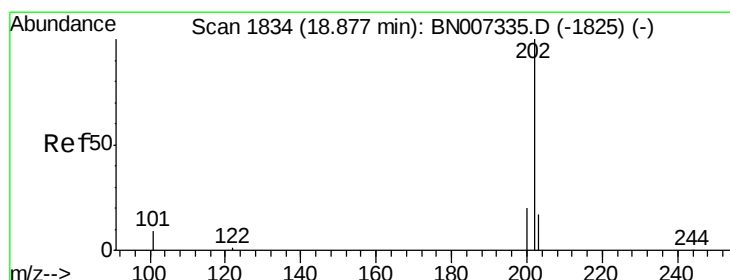
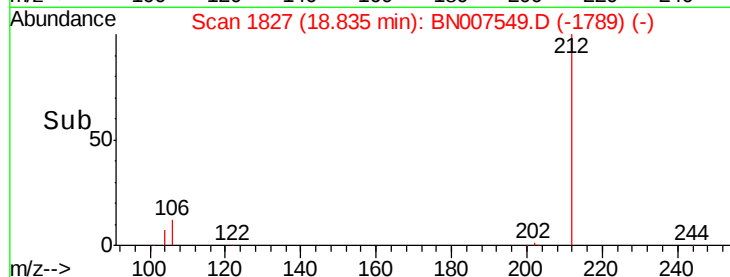
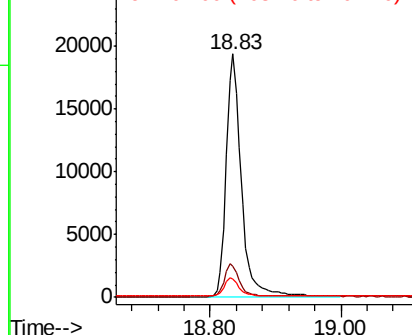
212 100

106 13.5 9.0 13.4#

104 7.6 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: 0.368 ng

RT: 18.86 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

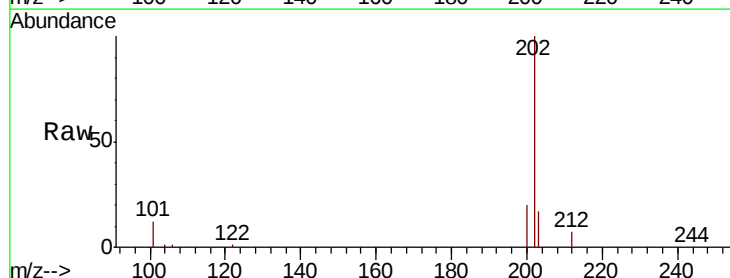
Tgt Ion:202 Resp: 39258

Ion Ratio Lower Upper

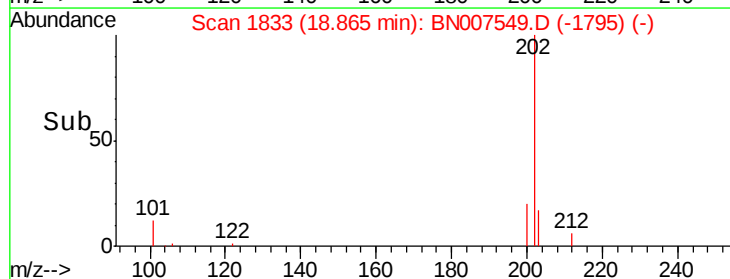
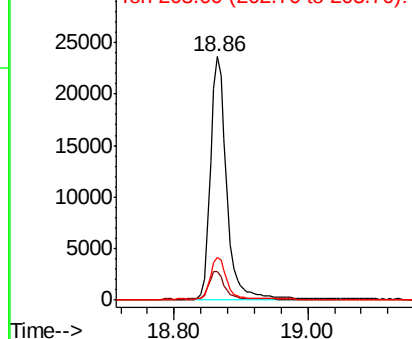
202 100

101 11.0 7.7 11.5

203 17.1 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

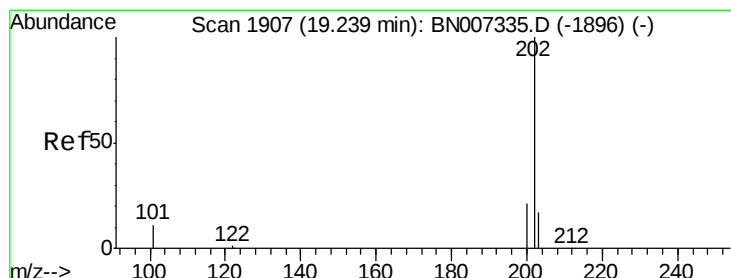
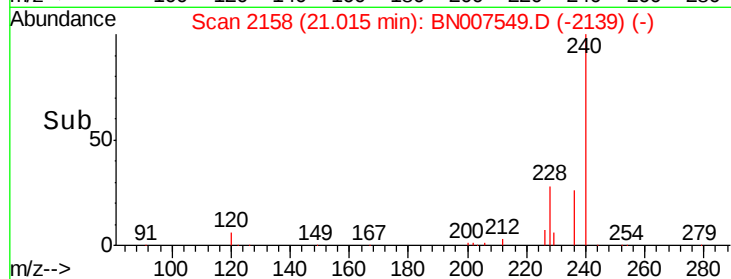
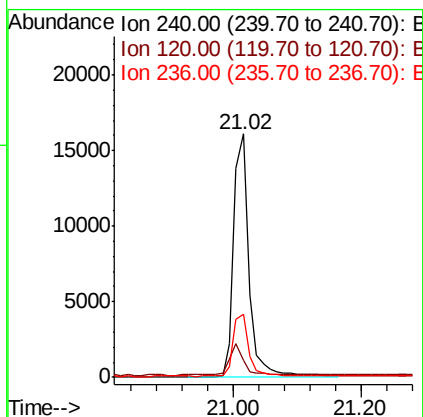
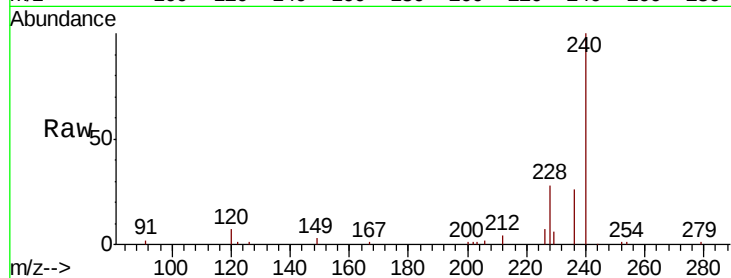




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007549.D
Acq: 06 Sep 2019 19:36

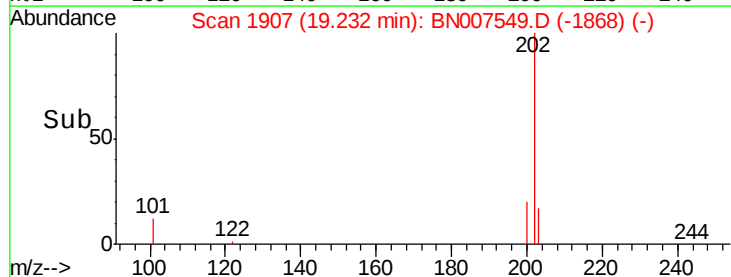
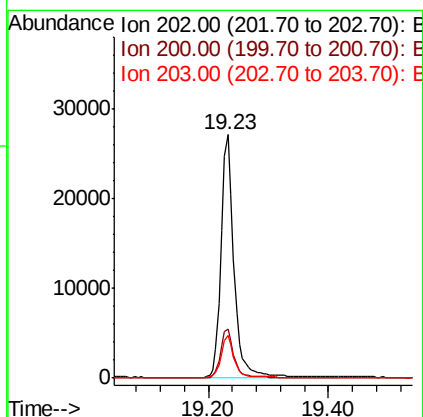
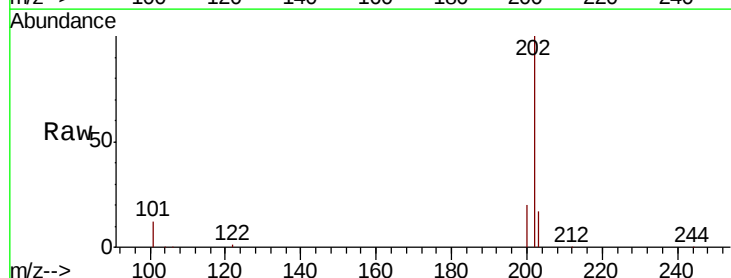
Instrument :
BNA_N
ClientSampleId :
PB122863BS

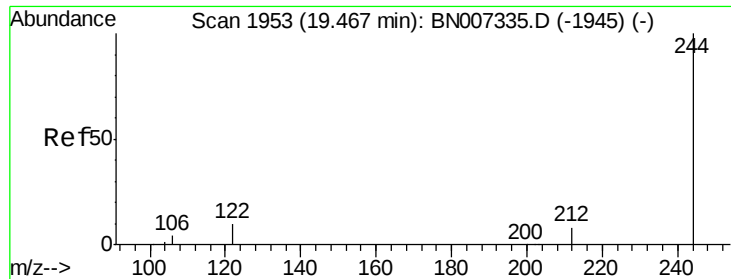
Tot Ion:240 Resp: 26618
Ion Ratio Lower Upper
240 100
120 6.9 9.6 14.4#
236 26.2 22.2 33.2



#28
Pyrene
Concen: 0.378 ng
RT: 19.23 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BN007549.D
Acq: 06 Sep 2019 19:36

Tgt Ion:202 Resp: 40432
Ion Ratio Lower Upper
202 100
200 20.2 16.6 25.0
203 17.4 14.2 21.4





#29

Terphenyl-d14

Concen: 0.378 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

BNA_N

ClientSampleId :

PB122863BS

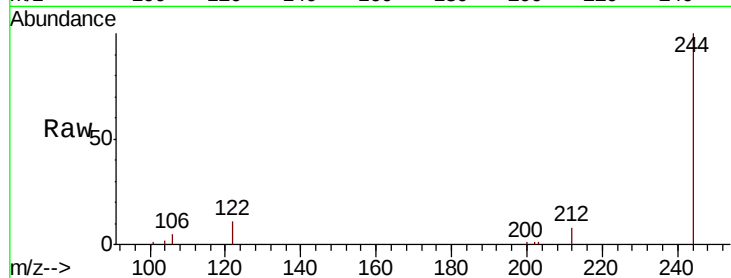
Tot Ion:244 Resp: 26355

Ion Ratio Lower Upper

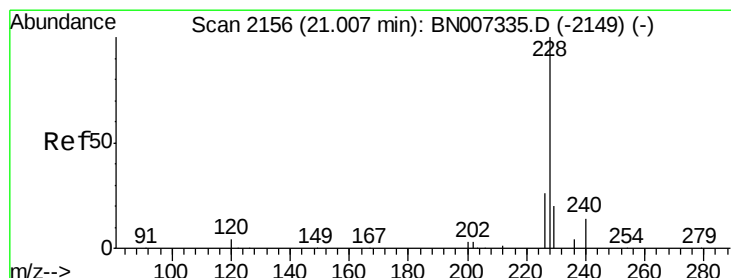
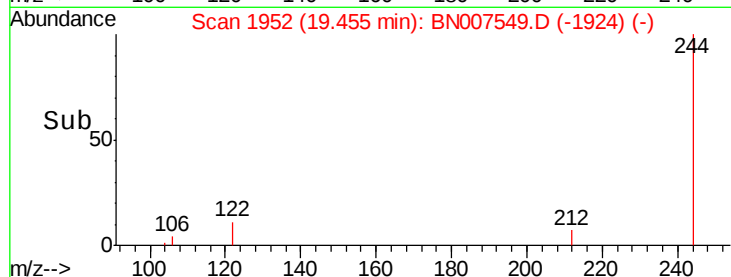
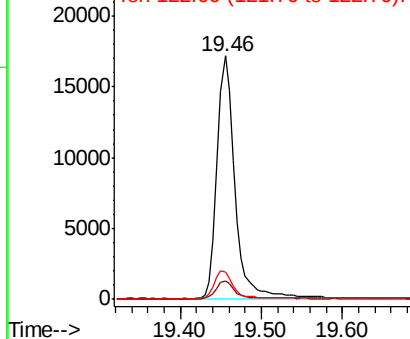
244 100

212 7.6 7.0 10.6

122 11.3 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: 0.348 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

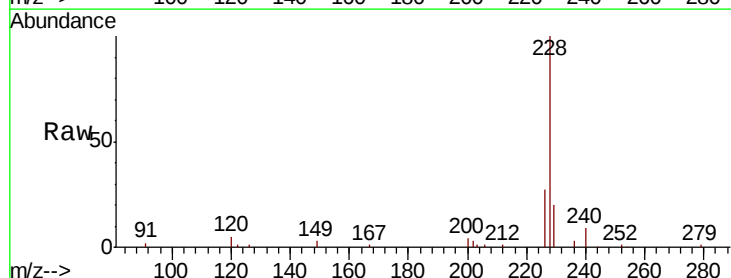
Tgt Ion:228 Resp: 36428

Ion Ratio Lower Upper

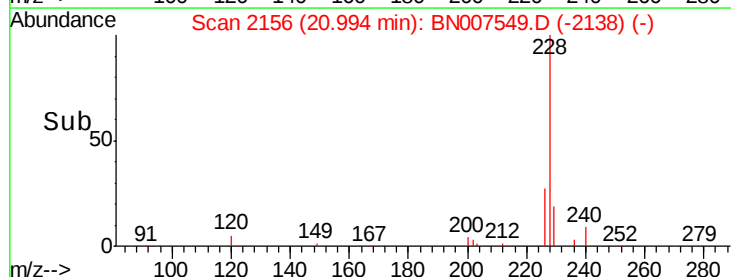
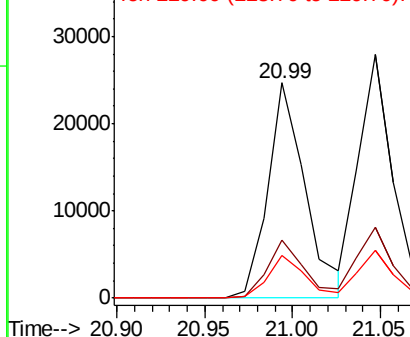
228 100

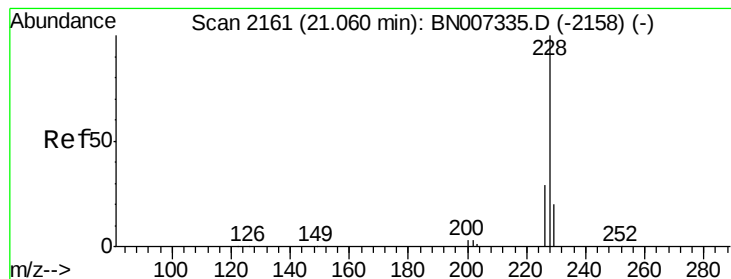
226 27.1 21.3 31.9

229 19.6 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: 0.389 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

BNA_N

ClientSampleId :

PB122863BS

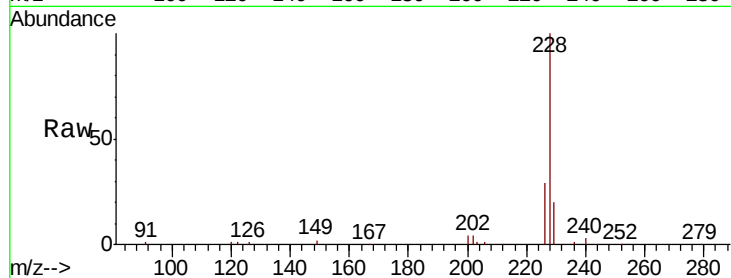
Tot Ion:228 Resp: 39267

Ion Ratio Lower Upper

228 100

226 29.1 23.5 35.3

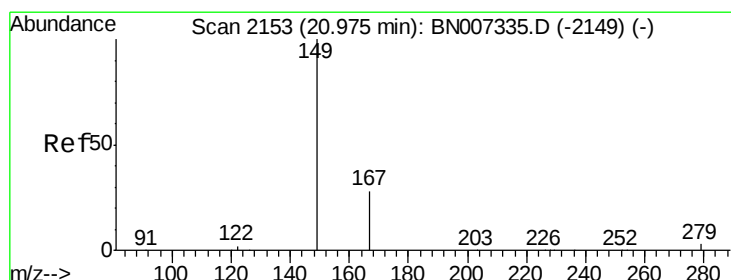
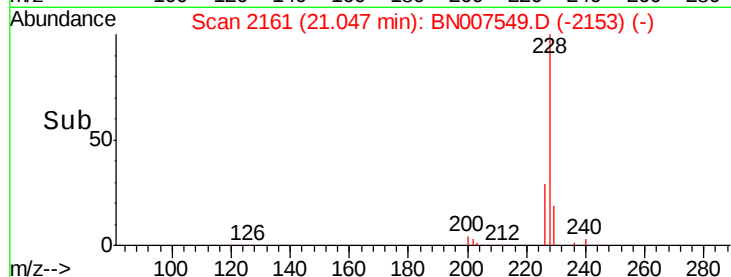
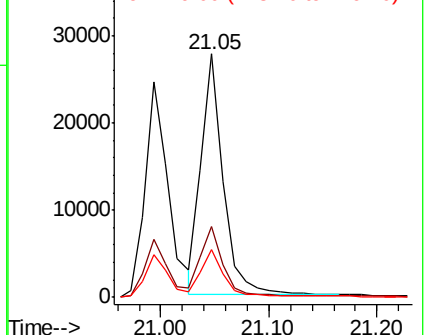
229 19.6 16.6 24.8



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: 0.212 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

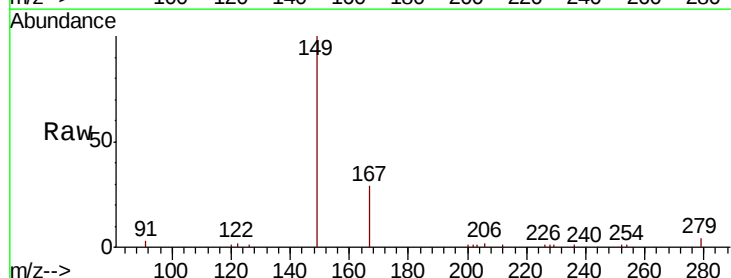
Tgt Ion:149 Resp: 15610

Ion Ratio Lower Upper

149 100

167 27.3 22.8 34.2

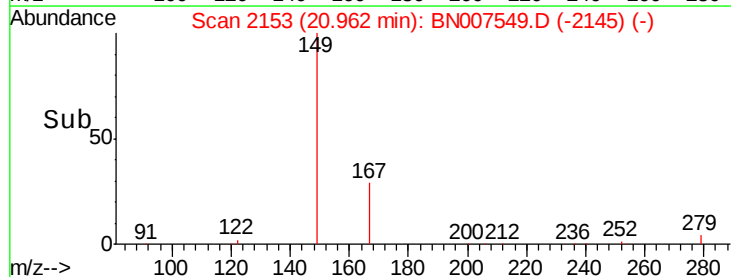
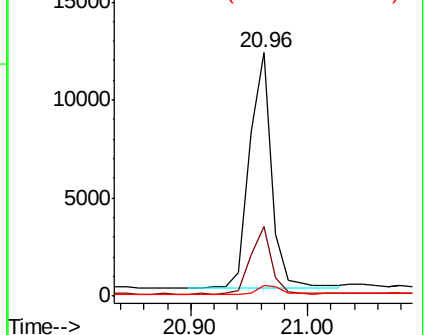
279 4.1 3.5 5.3



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: 0.405 ng

RT: 25.17 min Scan# 3097

Delta R.T. -0.02 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

BNA_N

ClientSampleId :

PB122863BS

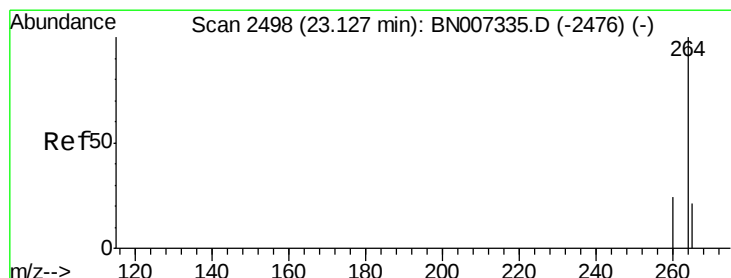
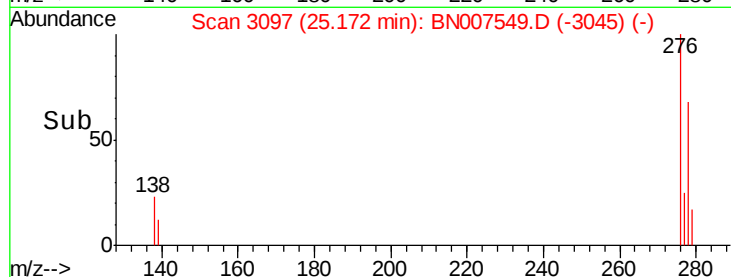
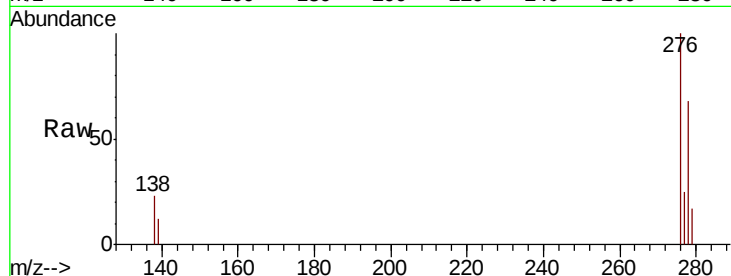
Tot Ion:276 Resp: 49173

Ion Ratio Lower Upper

276 100

138 24.8 15.1 22.7#

277 24.1 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: BN007549.D

Acq: 06 Sep 2019 19:36

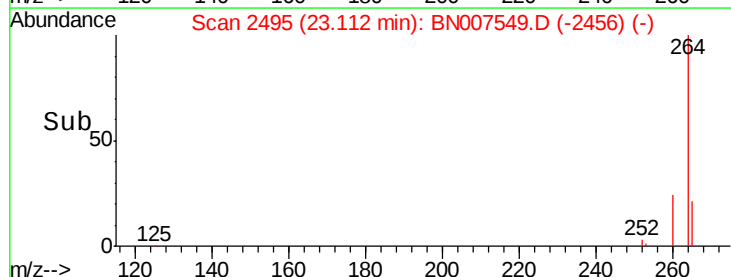
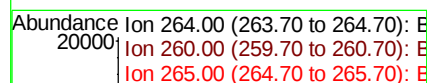
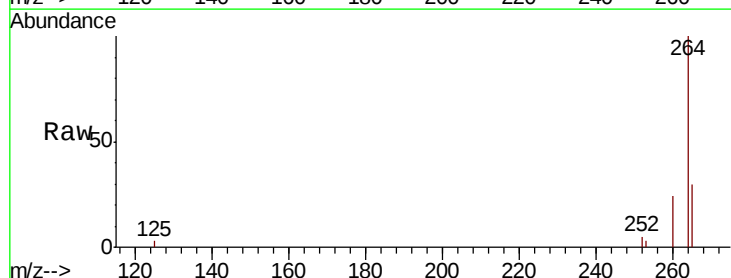
Tgt Ion:264 Resp: 29472

Ion Ratio Lower Upper

264 100

260 24.4 19.7 29.5

265 30.2 29.9 44.9





#35

Benzo(b)fluoranthene

Concen: 0.375 ng

RT: 22.50 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

BNA_N

ClientSampleId :

PB122863BS

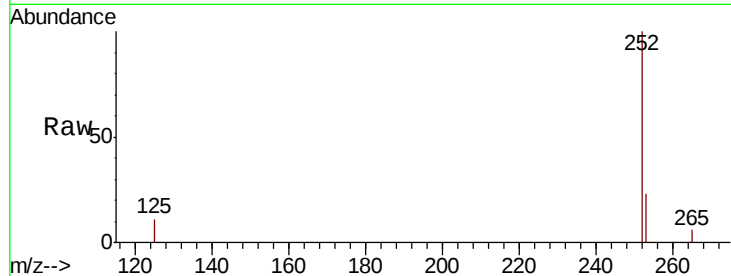
Tot Ion:252 Resp: 40029

Ion Ratio Lower Upper

252 100

253 23.2 19.2 28.8

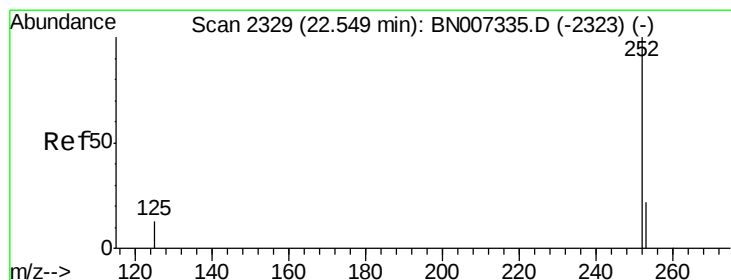
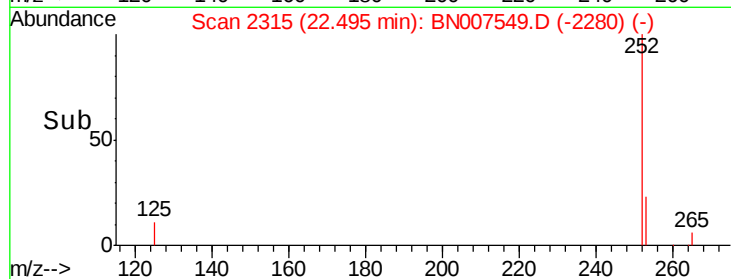
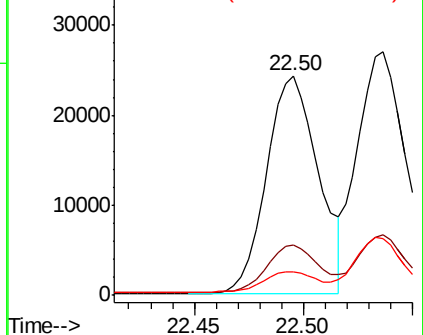
125 10.6 10.6 16.0#



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: 0.435 ng

RT: 22.54 min Scan# 2327

Delta R.T. -0.01 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

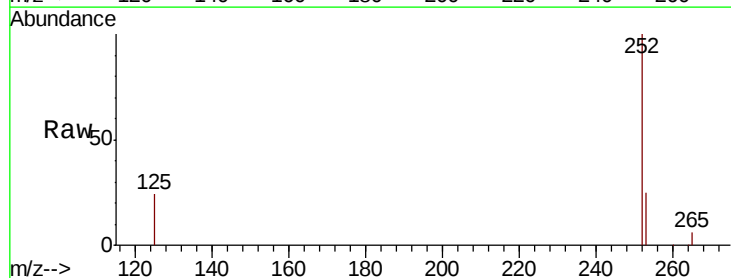
Tgt Ion:252 Resp: 45918

Ion Ratio Lower Upper

252 100

253 24.9 19.4 29.2

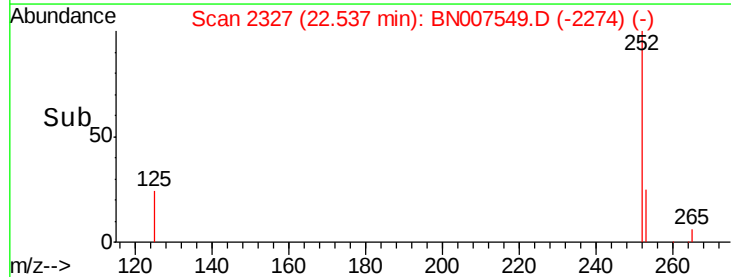
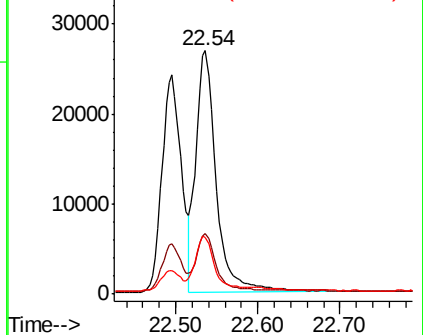
125 23.5 13.1 19.7#



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: 0.377 ng

RT: 23.02 min Scan# 2469

Delta R.T. -0.02 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

BNA_N

ClientSampleId :

PB122863BS

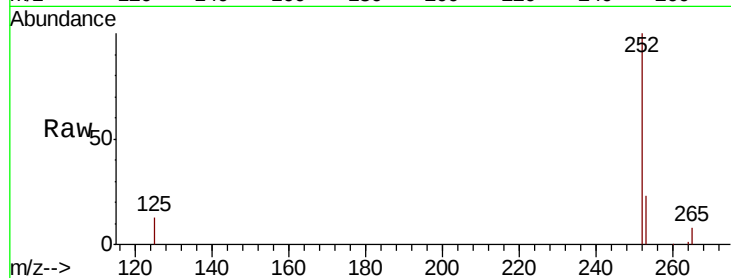
Tot Ion:252 Resp: 38334

Ion Ratio Lower Upper

252 100

253 23.2 19.5 29.3

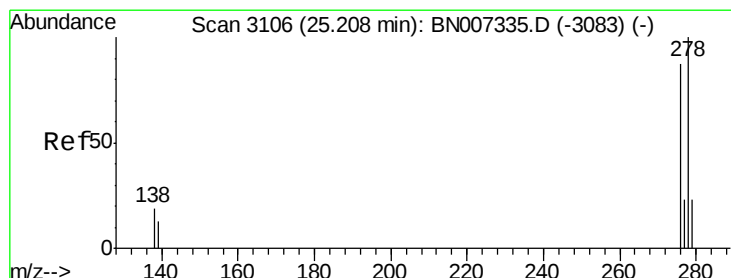
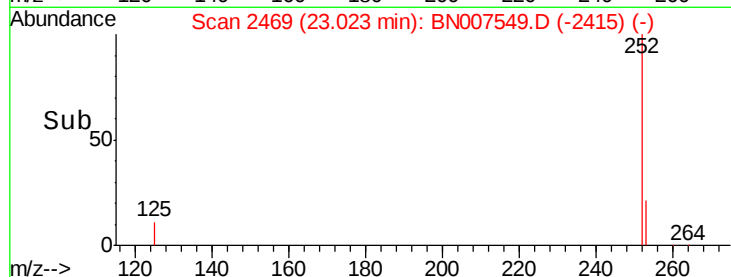
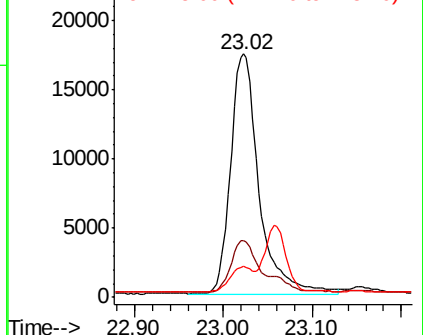
125 12.6 12.1 18.1



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: 0.384 ng

RT: 25.19 min Scan# 3101

Delta R.T. -0.02 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

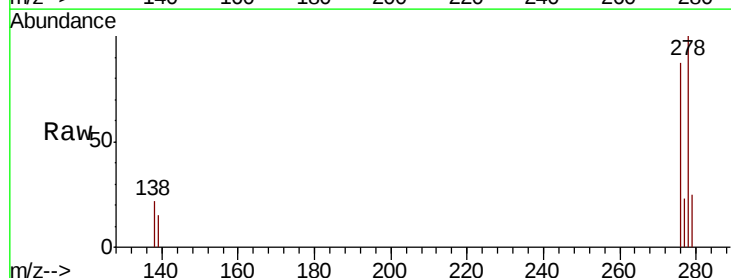
Tgt Ion:278 Resp: 38979

Ion Ratio Lower Upper

278 100

139 15.5 13.7 20.5

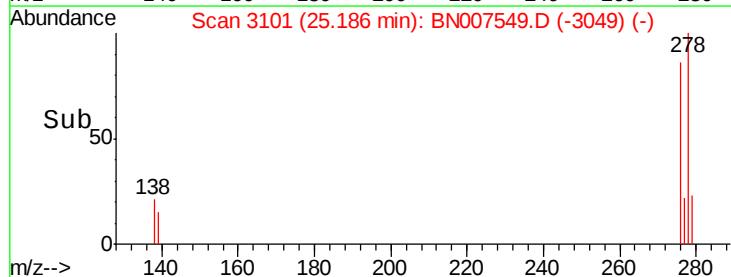
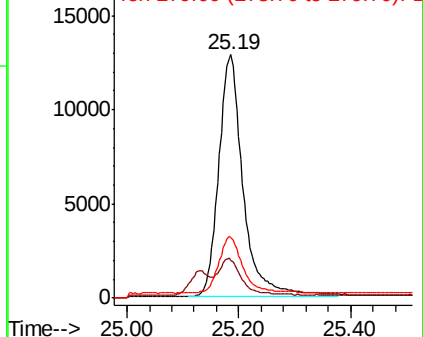
279 24.9 20.2 30.4



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: 0.388 ng

RT: 25.79 min Scan# 3278

Delta R.T. -0.03 min

Lab File: BN007549.D

Acq: 06 Sep 2019 19:36

Instrument :

BNA_N

ClientSampleId :

PB122863BS

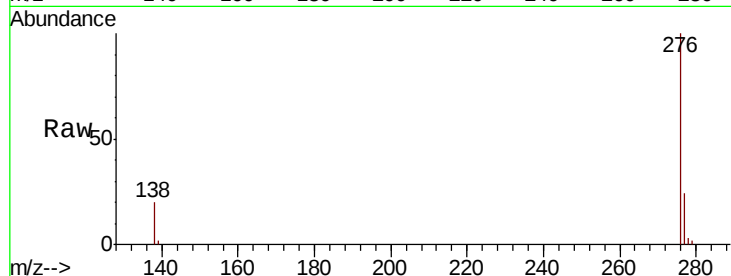
Tot Ion: 276 Resp: 39184

Ion Ratio Lower Upper

276 100

277 24.1 19.6 29.4

138 20.0 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

