

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN083019\
 Data File : BN007523.D
 Acq On : 30 Aug 2019 14:50
 Operator : HP/JU
 Sample : PB122692BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 31 01:59:07 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	7.40	152	5566	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	23857	0.40	ng	-0.01
13) Acenaphthene-d10	14.03	164	14740	0.40	ng	-0.02
19) Phenanthrene-d10	16.79	188	36525	0.40	ng	0.00
27) Chrysene-d12	21.02	240	36522	0.40	ng	0.00
34) Perylene-d12	23.11	264	33924	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.03	112	6278	0.32	ng	0.00
5) Phenol-d6	6.59	99	8120	0.32	ng	0.00
8) Nitrobenzene-d5	8.53	82	5788	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	15393	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.54	330	2476	0.32	ng	-0.02
15) 2-Fluorobiphenyl	12.65	172	19504	0.33	ng	0.00
25) Fluoranthene-d10	18.83	212	40437	0.34	ng	-0.01
29) Terphenyl-d14	19.46	244	32213	0.34	ng	-0.01

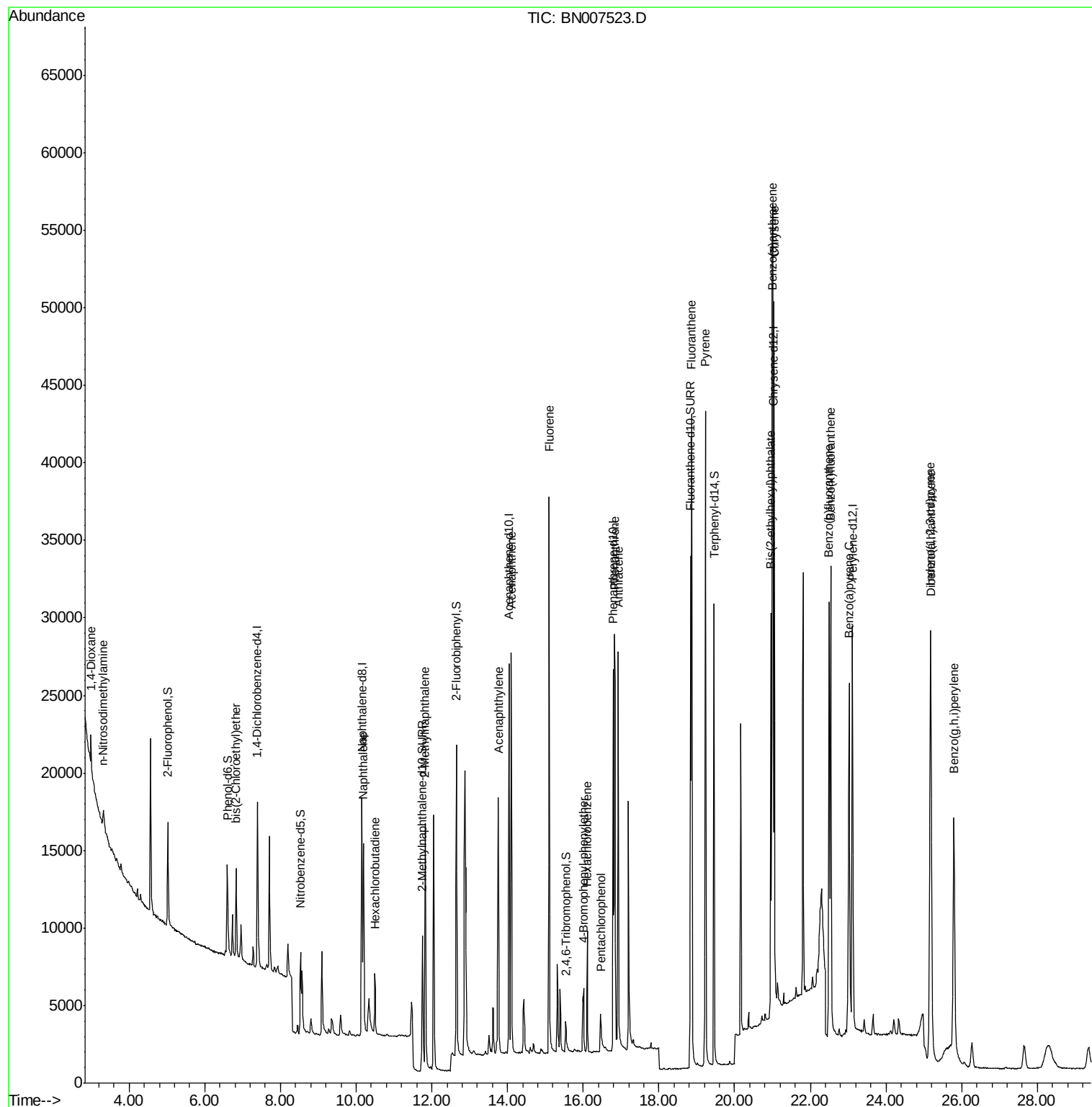
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.99	88	1851	0.200	ng	# 39
3) n-Nitrosodimethylamine	3.32	42	917	0.213	ng	# 64
6) bis(2-Chloroethyl)ether	6.83	93	5503	0.274	ng	94
9) Naphthalene	10.19	128	18587	0.273	ng	# 91
10) Hexachlorobutadiene	10.49	225	3361	0.241	ng	# 99
12) 2-Methylnaphthalene	11.82	142	13262	0.286	ng	98
16) Acenaphthylene	13.76	152	21554	0.247	ng	99
17) Acenaphthene	14.10	154	13475	0.264	ng	99
18) Fluorene	15.09	166	18152	0.281	ng	99
20) 4-Bromophenyl-phenylether	16.01	248	1641	0.114	ng	# 86
21) Hexachlorobenzene	16.10	284	6349	0.259	ng	95
22) Pentachlorophenol	16.46	266	2811	0.370	ng	# 65
23) Phenanthrene	16.83	178	30626	0.279	ng	99
24) Anthracene	16.92	178	29159	0.264	ng	99
26) Fluoranthene	18.86	202	39612	0.281	ng	99
28) Pyrene	19.23	202	40407	0.275	ng	99
30) Benzo(a)anthracene	20.99	228	37387	0.261	ng	99
31) Chrysene	21.05	228	37219	0.269	ng	99
32) Bis(2-ethylhexyl)phthalate	20.96	149	22011	0.218	ng	99
33) Indeno(1,2,3-cd)pyrene	25.17	276	36137	0.217	ng	98
35) Benzo(b)fluoranthene	22.50	252	34805	0.283	ng	98
36) Benzo(k)fluoranthene	22.54	252	36620	0.301	ng	99
37) Benzo(a)pyrene	23.02	252	32661	0.279	ng	97
38) Dibenzo(a,h)anthracene	25.19	278	29218	0.250	ng	98
39) Benzo(g,h,i)perylene	25.80	276	30452	0.262	ng	99

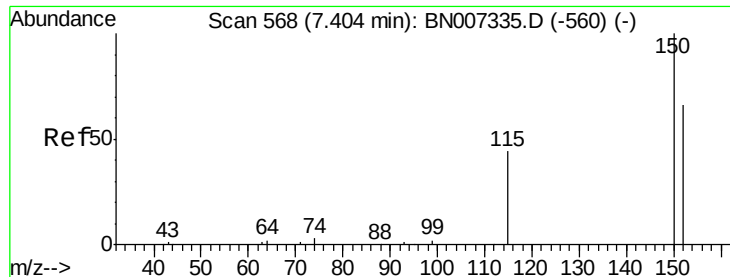
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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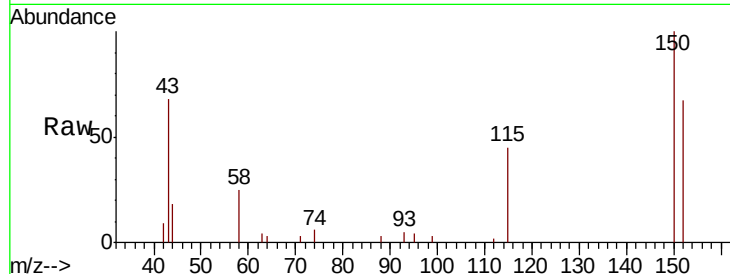


#1

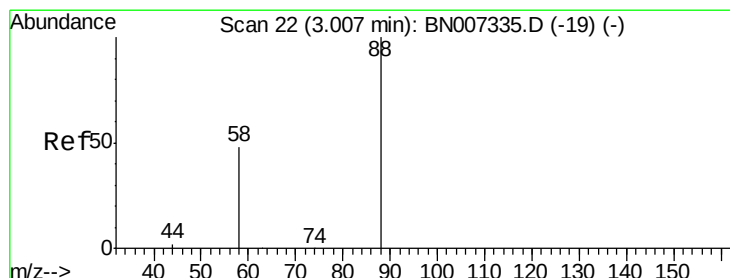
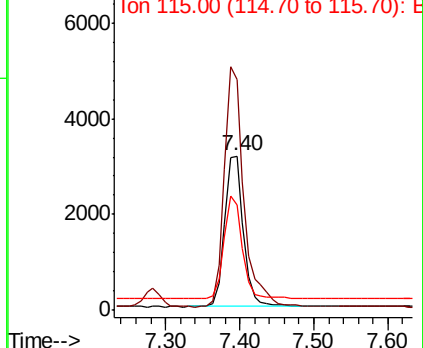
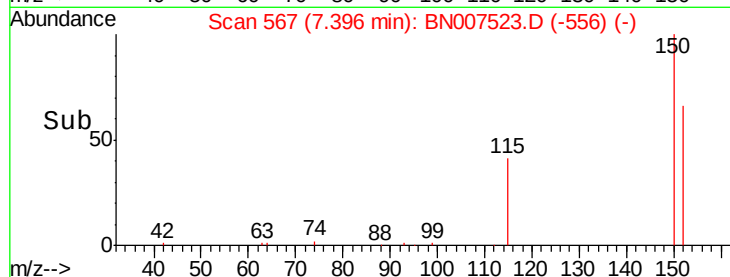
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 5566
Ion Ratio Lower Upper
152 100
150 149.8 109.1 163.7
115 68.1 59.6 89.4



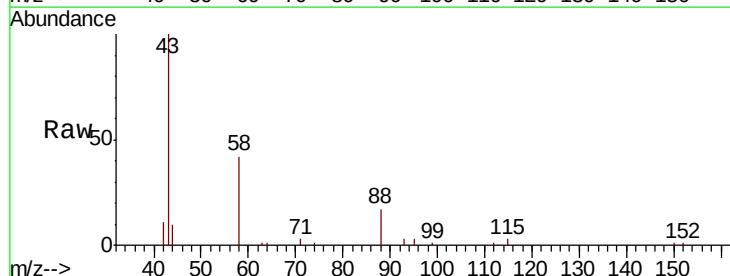
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



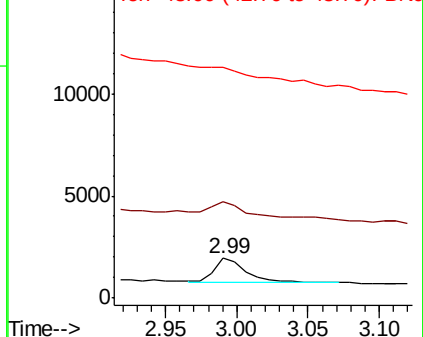
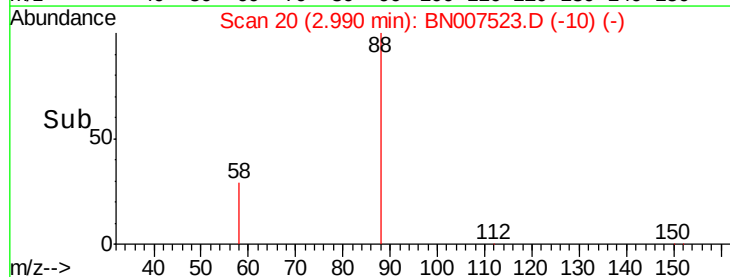
#2

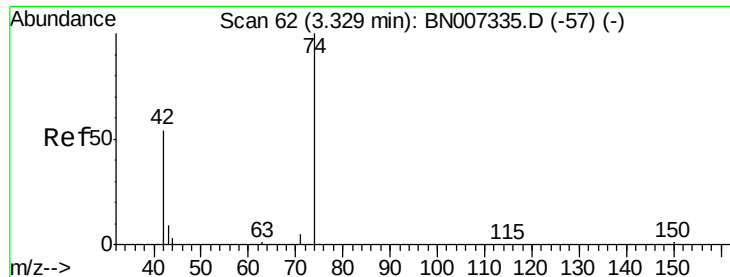
1,4-Dioxane
Concen: 0.200 ng
RT: 2.99 min Scan# 20
Delta R.T. -0.02 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion: 88 Resp: 1851
Ion Ratio Lower Upper
88 100
58 110.5 50.5 75.7#
43 0.0 0.0 0.0



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.213 ng

RT: 3.32 min Scan# 61

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

Instrument :

BNA_N

ClientSampleId :

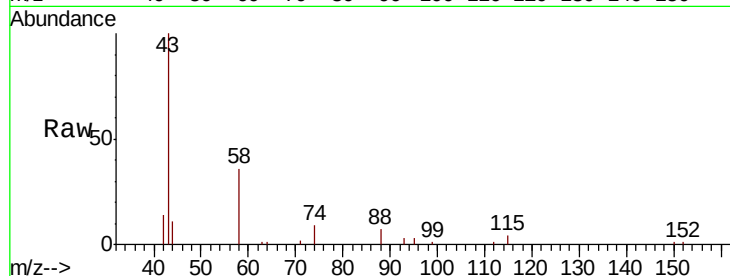
Tot Ion: 42 Resp: 917

Ion Ratio Lower Upper

42 100

74 233.2 144.7 217.1#

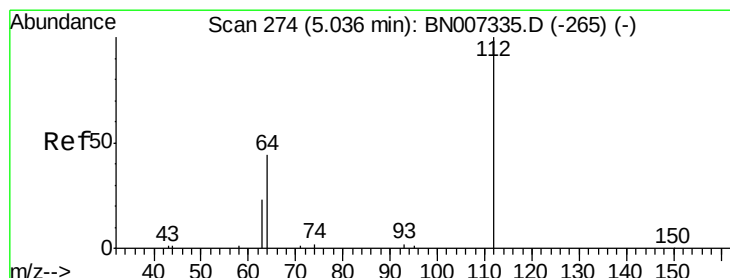
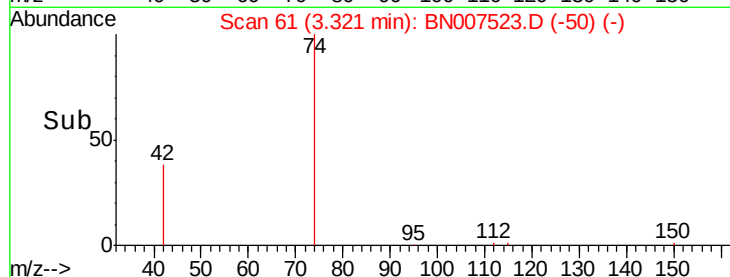
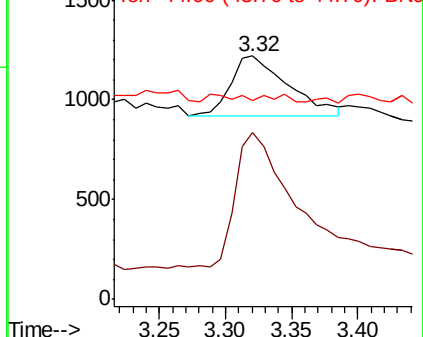
44 0.0 3.2 4.8#



Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol

Concen: 0.319 ng

RT: 5.03 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

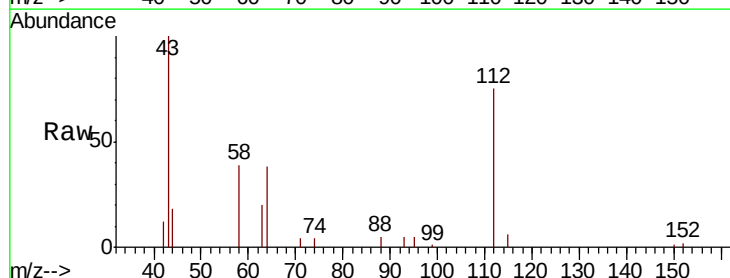
Tgt Ion: 112 Resp: 6278

Ion Ratio Lower Upper

112 100

64 55.3 42.3 63.5

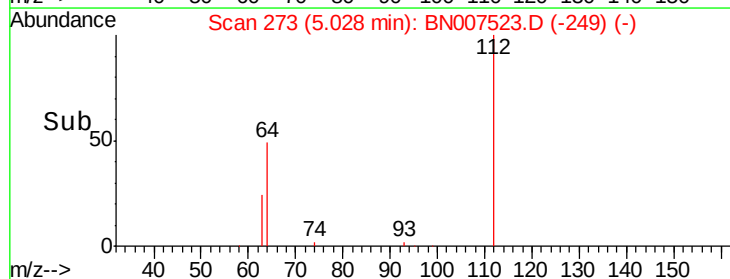
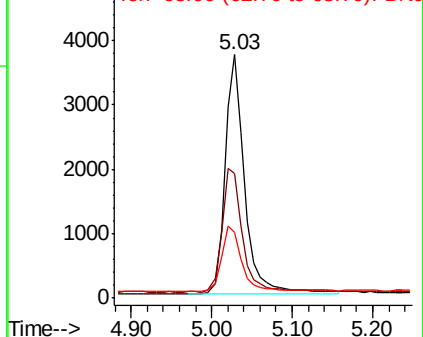
63 28.2 23.6 35.4

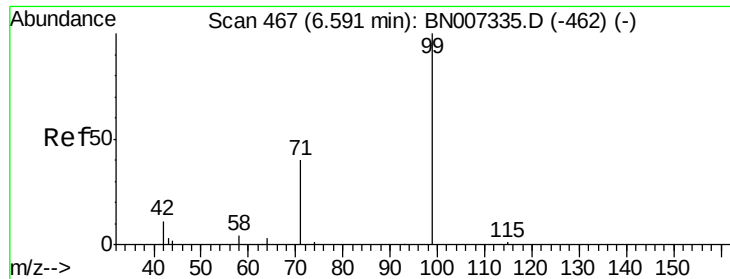


Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.325 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

Instrument :

BNA_N

ClientSampled :

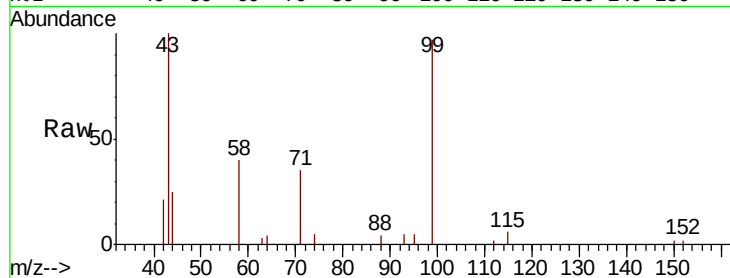
Tot Ion: 99 Resp: 8120

Ion Ratio Lower Upper

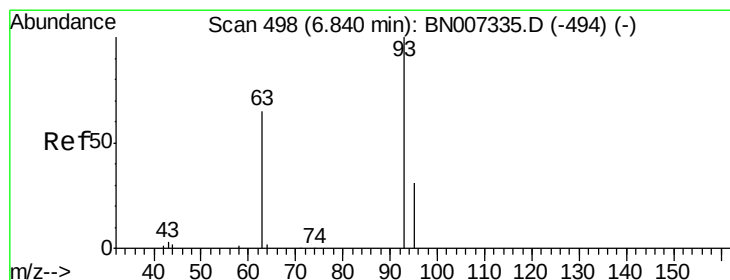
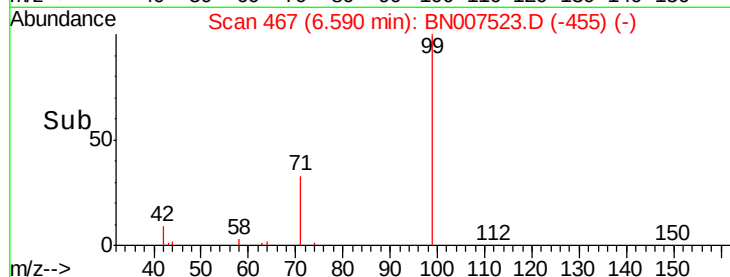
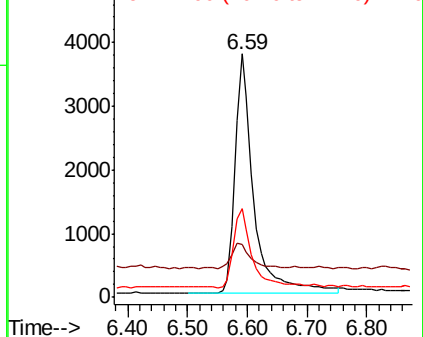
99 100

42 11.8 11.2 16.8

71 33.2 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 71.00 (70.70 to 71.70): BN0



#6

bis(2-Chloroethyl)ether

Concen: 0.274 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

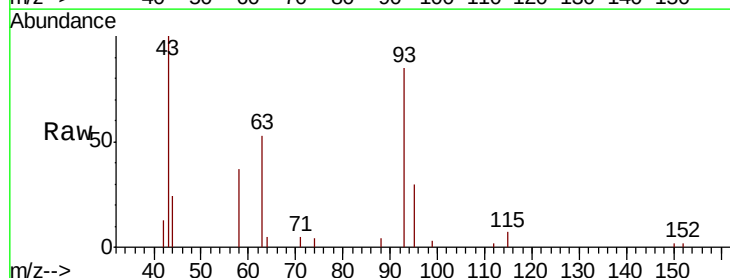
Tgt Ion: 93 Resp: 5503

Ion Ratio Lower Upper

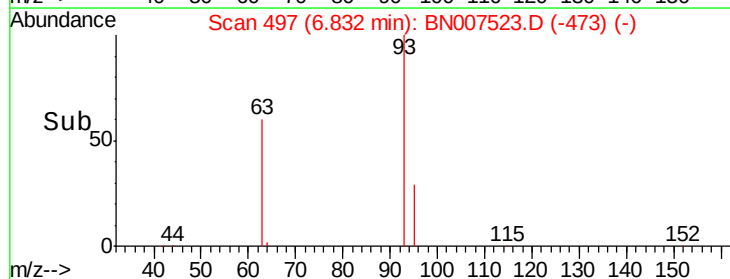
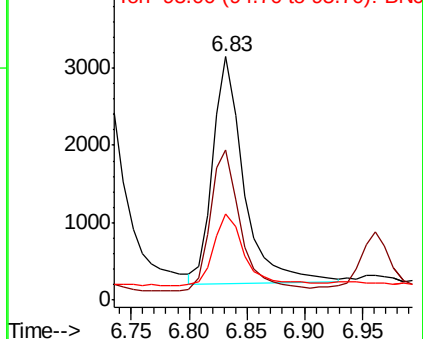
93 100

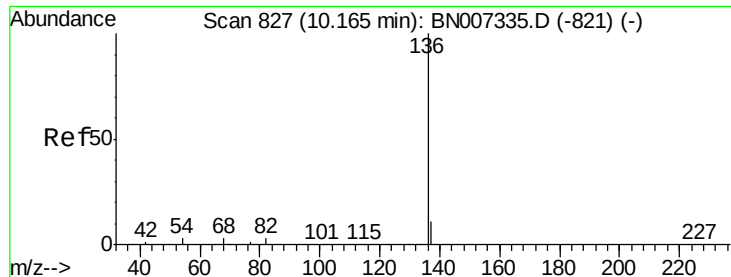
63 60.0 51.9 77.9

95 31.6 27.7 41.5



Abundance Ion 93.00 (92.70 to 93.70): BN0
Ion 63.00 (62.70 to 63.70): BN0
Ion 95.00 (94.70 to 95.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 23857

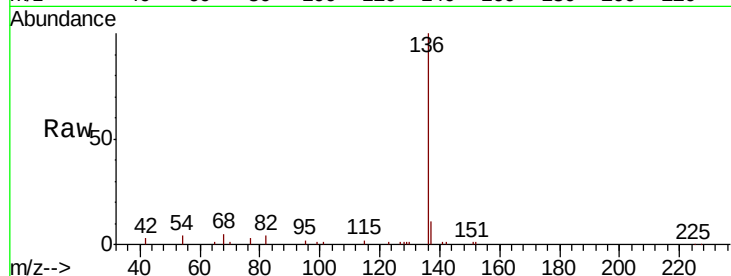
Ion Ratio Lower Upper

136 100

137 11.4 12.9 19.3#

54 3.9 8.6 12.8#

68 5.5 17.0 25.4#

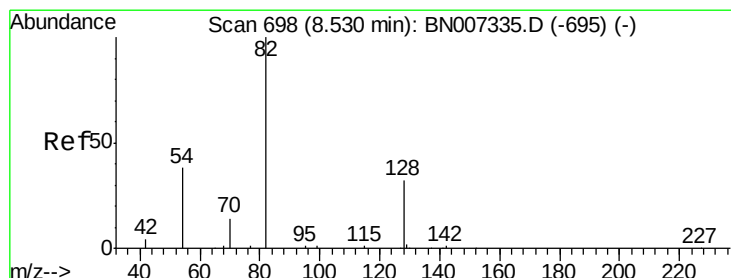
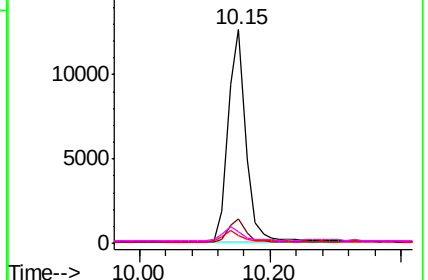
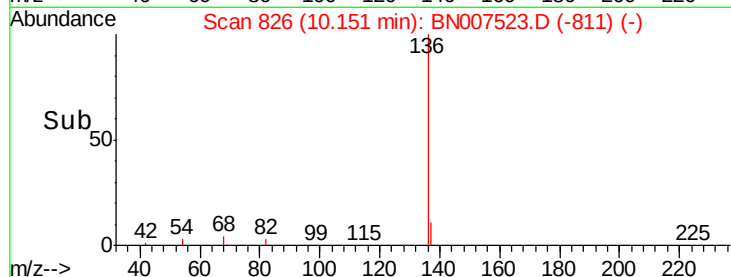


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.279 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

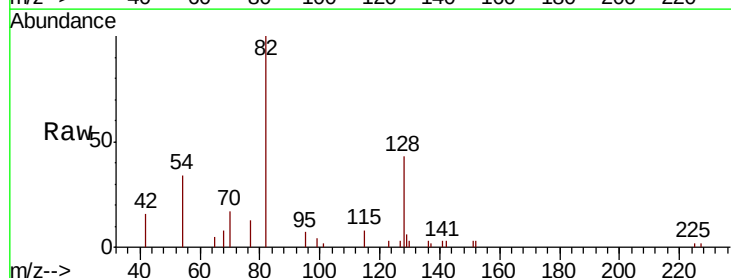
Tgt Ion: 82 Resp: 5788

Ion Ratio Lower Upper

82 100

128 42.6 19.7 29.5#

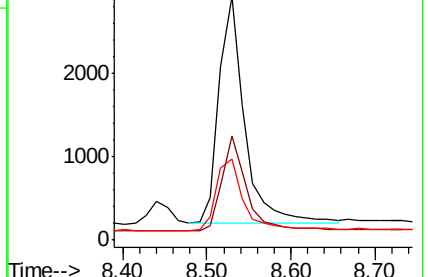
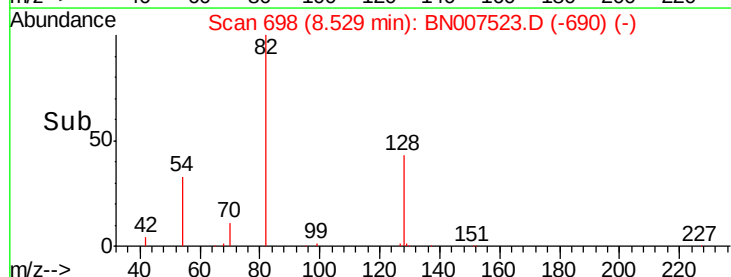
54 33.6 25.8 38.6

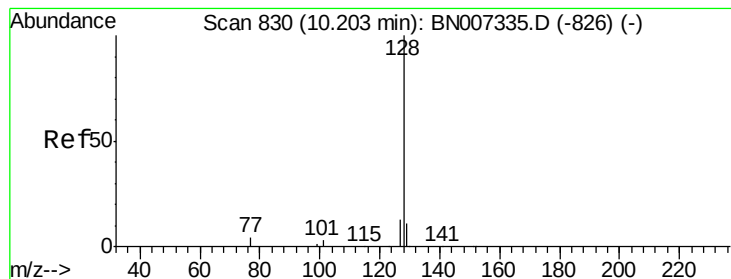


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.273 ng

RT: 10.19 min Scan# 829

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

Instrument :

BNA_N

ClientSampleId :

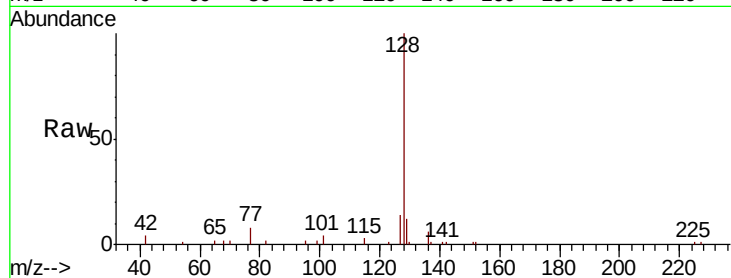
Tot Ion:128 Resp: 18587

Ion Ratio Lower Upper

128 100

129 12.2 11.1 16.7

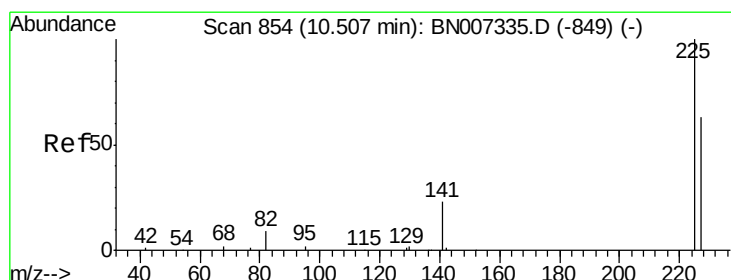
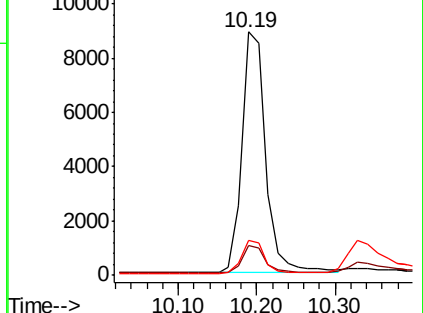
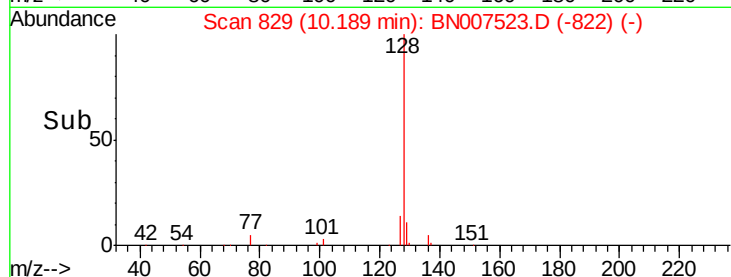
127 14.1 15.5 23.3#



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: 0.241 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

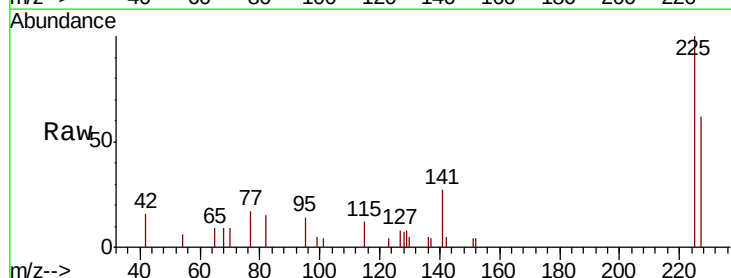
Tgt Ion:225 Resp: 3361

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

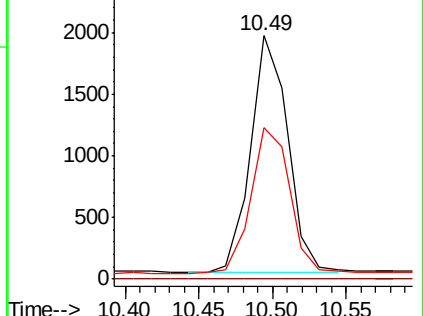
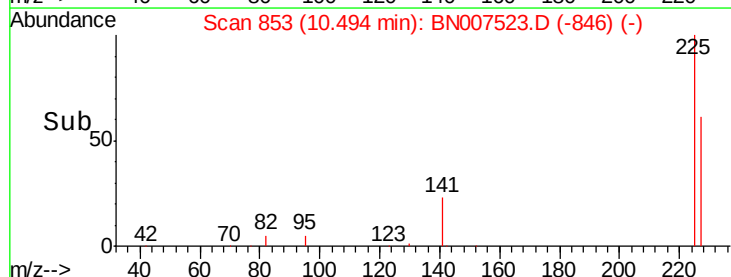
227 64.1 50.7 76.1

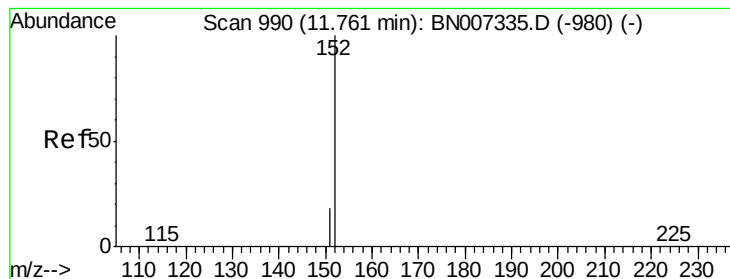


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.388 ng

RT: 11.75 min Scan# 988

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

Instrument :

BNA_N

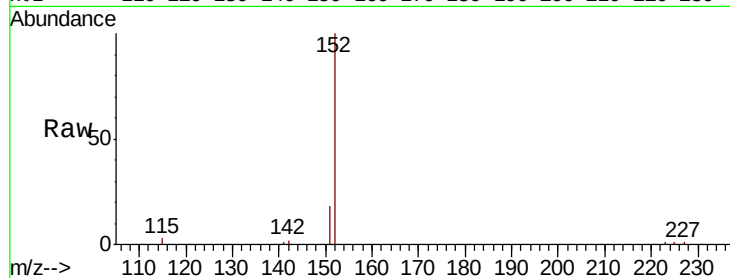
ClientSampleId :

Tot Ion:152 Resp: 15393

Ion Ratio Lower Upper

152 100

151 16.8 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

8000

6000

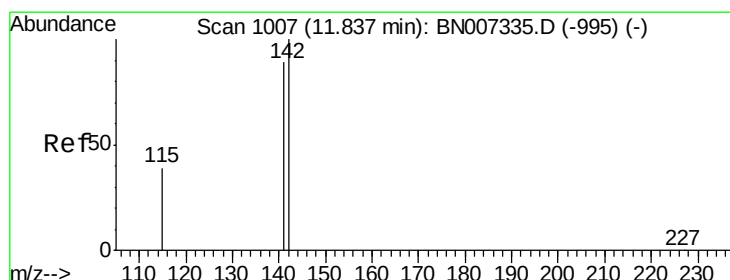
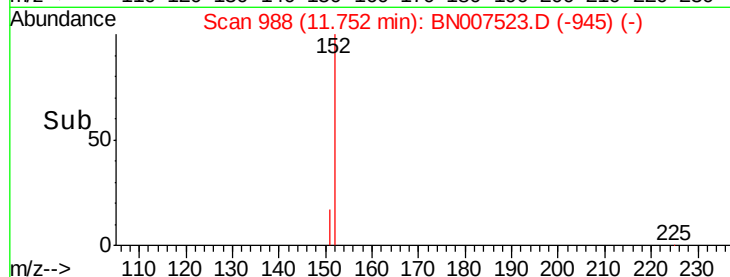
4000

2000

0

11.60 11.75 11.80

Time-->



#12

2-Methylnaphthalene

Concen: 0.286 ng

RT: 11.82 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

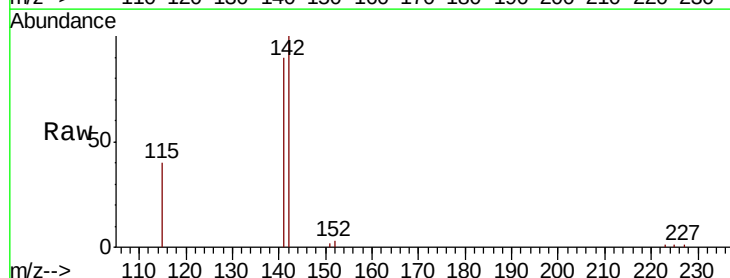
Tgt Ion:142 Resp: 13262

Ion Ratio Lower Upper

142 100

141 90.2 72.8 109.2

115 40.3 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

10000

8000

6000

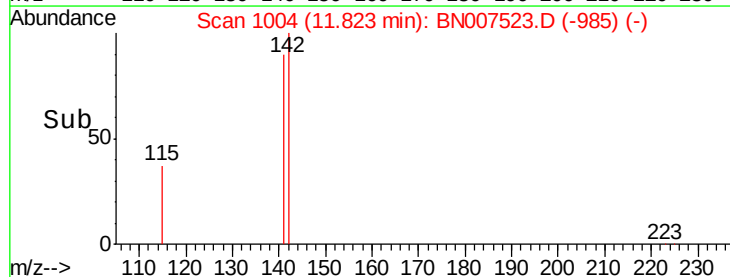
4000

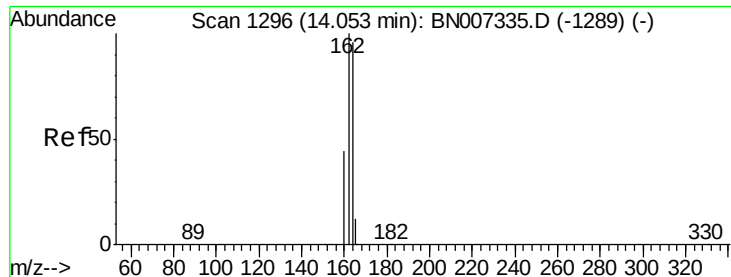
2000

0

11.70 11.82 11.90 12.00

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

Instrument :

BNA_N

ClientSampleId :

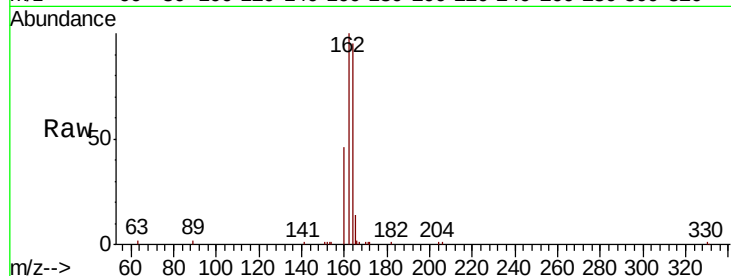
Tot Ion:164 Resp: 14740

Ion Ratio Lower Upper

164 100

162 104.9 83.5 125.3

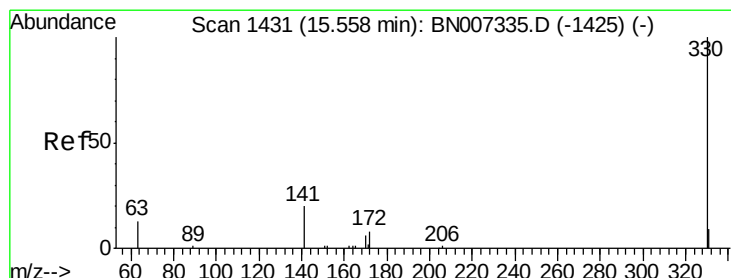
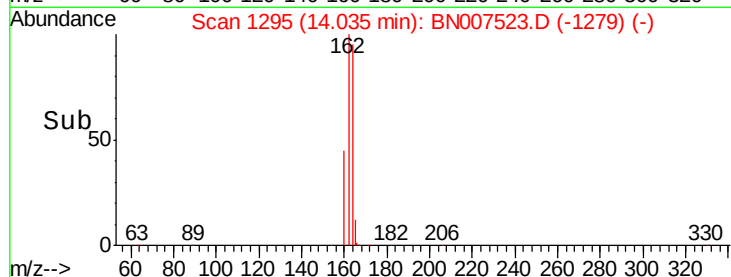
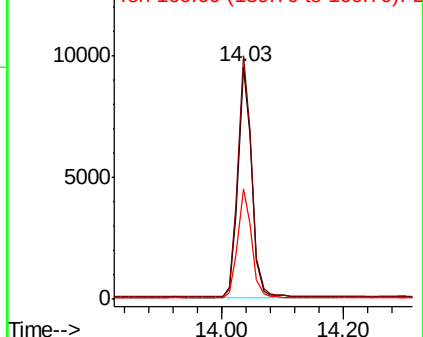
160 47.8 38.2 57.4



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: 0.321 ng

RT: 15.54 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

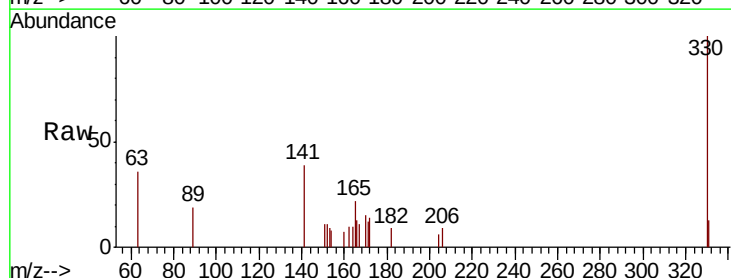
Tgt Ion:330 Resp: 2476

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

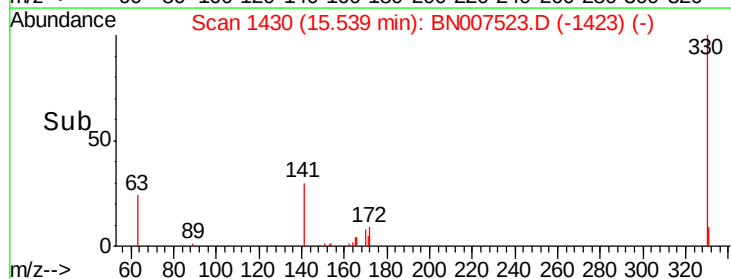
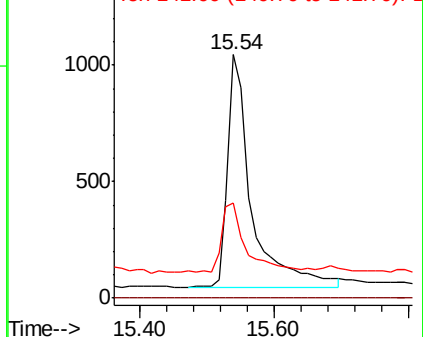
141 30.1 26.9 40.3

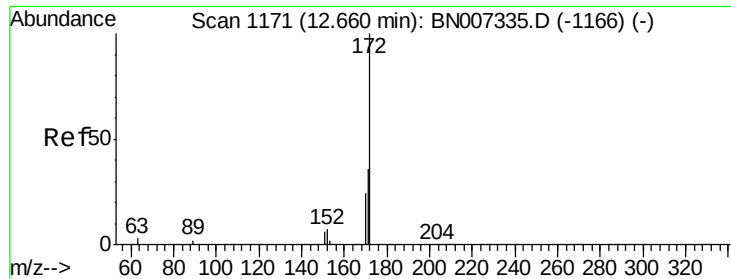


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

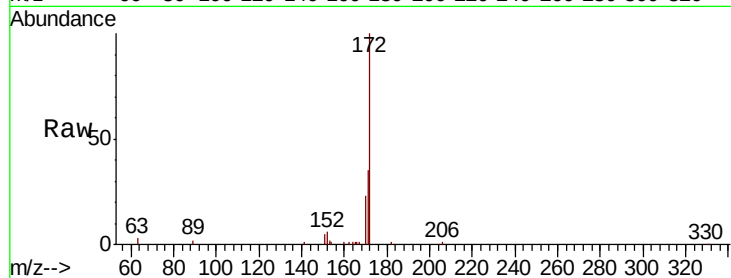




#15
2-Fluorobiphenyl
Concen: 0.328 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.3	45.5
170	23.2	20.7	31.1

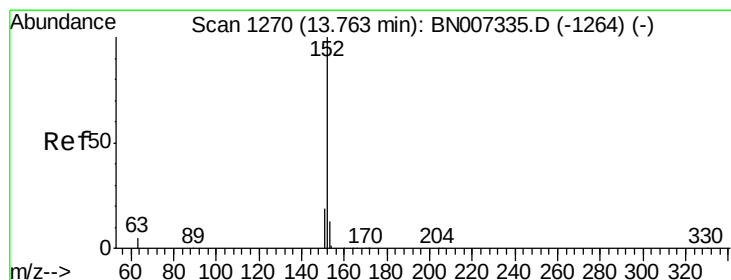
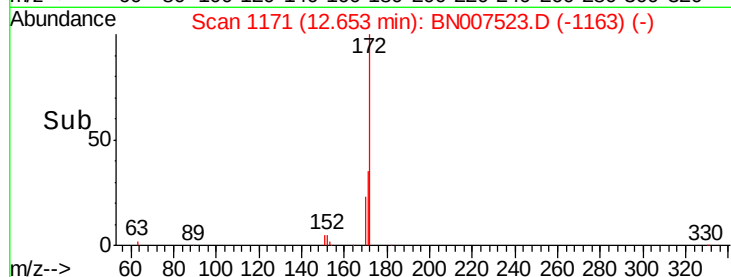
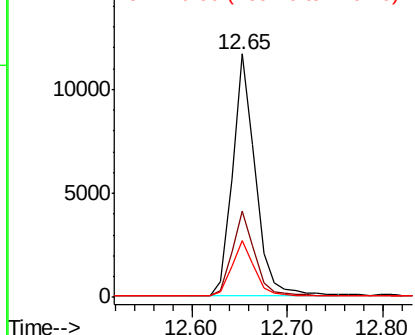


Abundance

Ion 172.00 (171.70 to 172.70): E

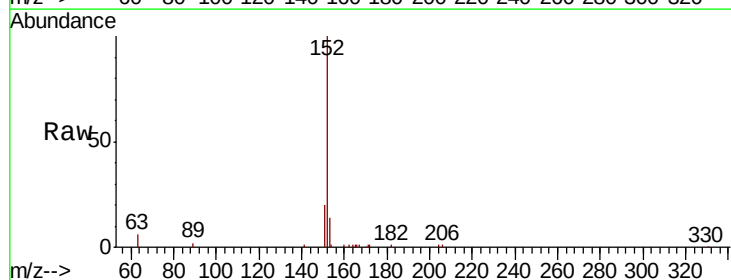
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.247 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.1	24.1
153	13.2	10.6	15.8

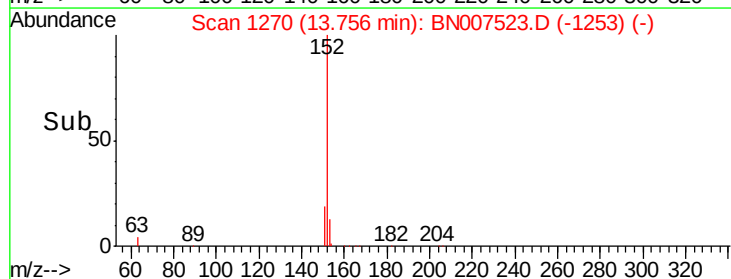
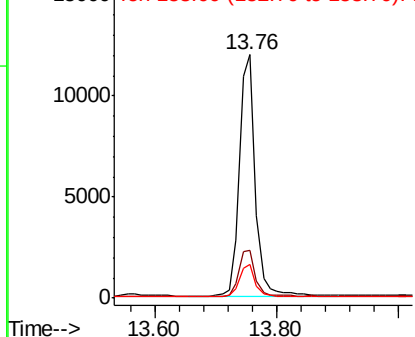


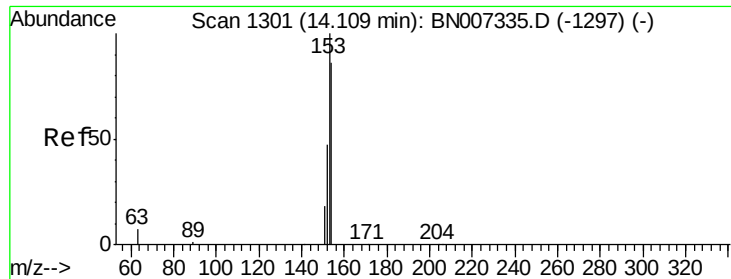
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

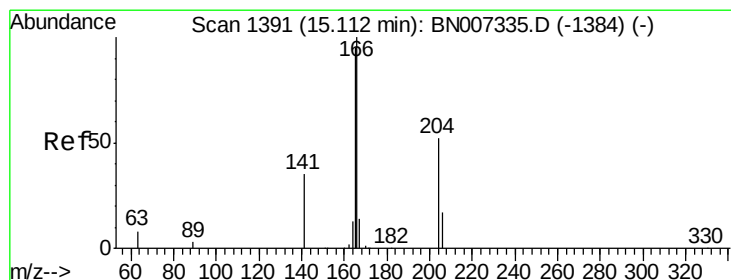
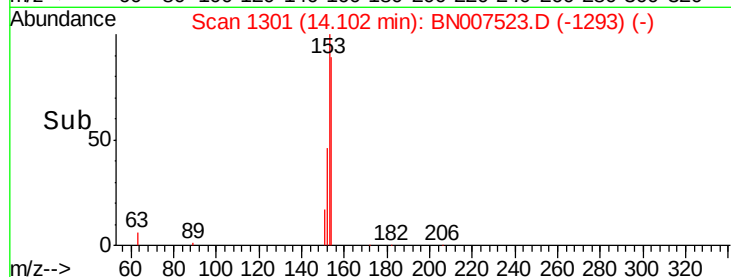
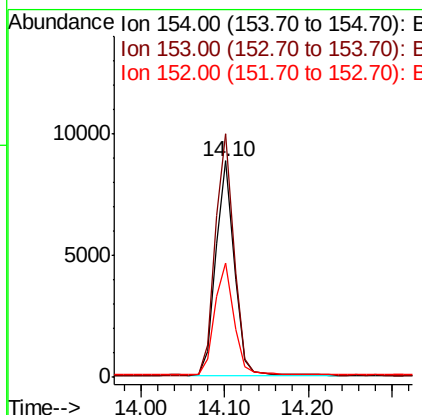
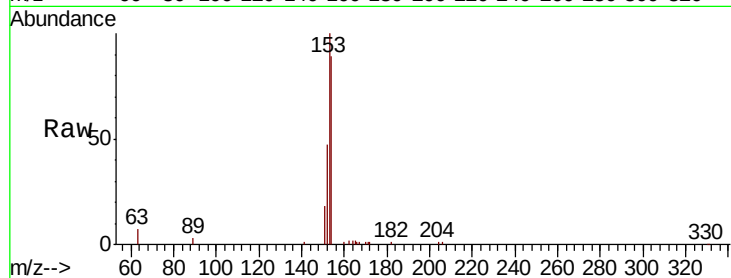




#17
Acenaphthene
Concen: 0.264 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

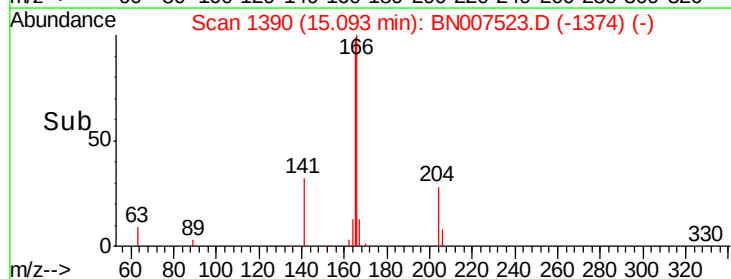
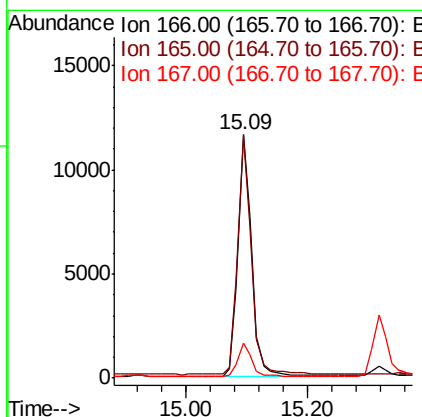
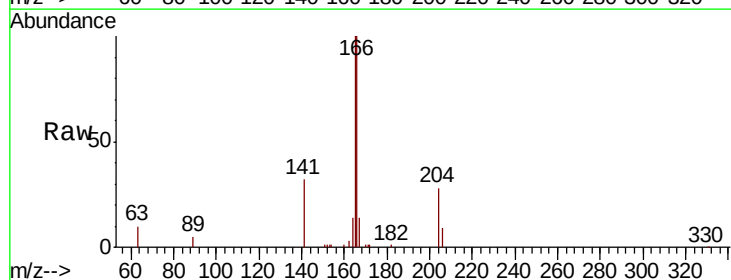
Instrument :
BNA_N
ClientSampled :

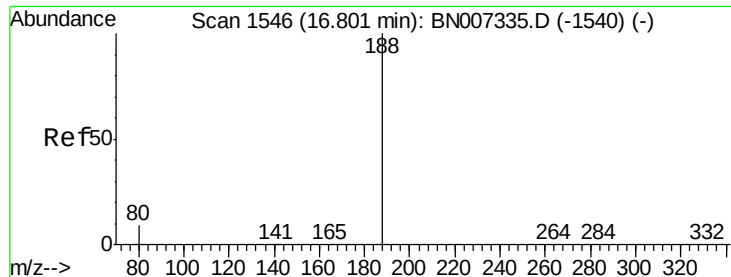
Tot Ion:154 Resp: 13475
Ion Ratio Lower Upper
154 100
153 114.4 92.8 139.2
152 54.8 43.8 65.8



#18
Fluorene
Concen: 0.281 ng
RT: 15.09 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:166 Resp: 18152
Ion Ratio Lower Upper
166 100
165 98.1 79.0 118.4
167 13.6 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

Instrument :

BNA_N

ClientSampleId :

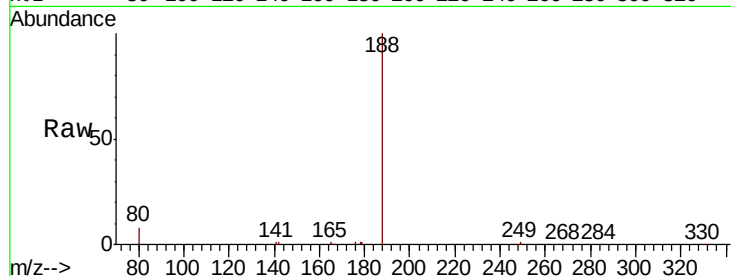
Tot Ion:188 Resp: 36525

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.1 11.8 17.8#



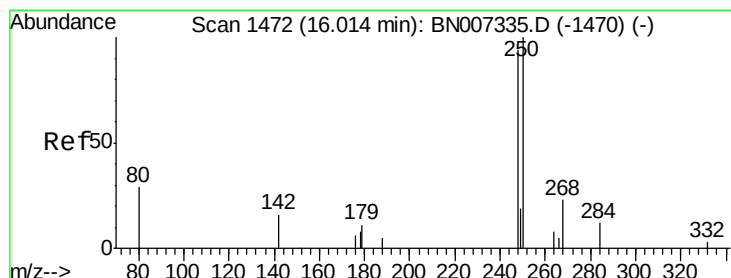
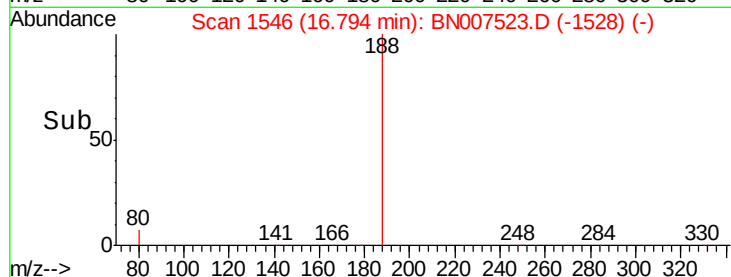
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

16.79

Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.114 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

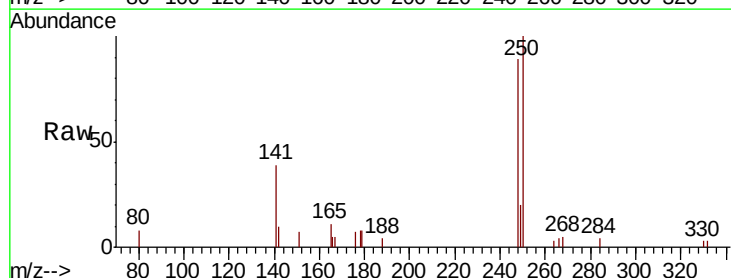
Tgt Ion:248 Resp: 1641

Ion Ratio Lower Upper

248 100

250 112.4 85.0 127.6

141 44.0 51.7 77.5#



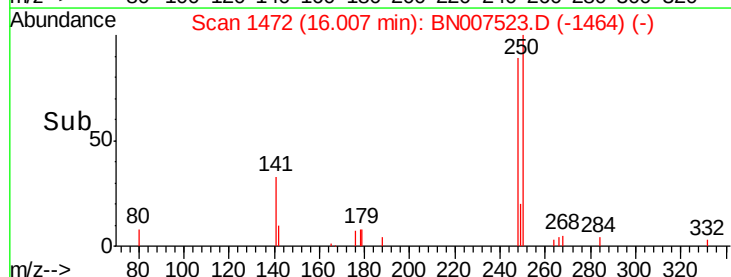
Abundance Ion 248.00 (247.70 to 248.70): E

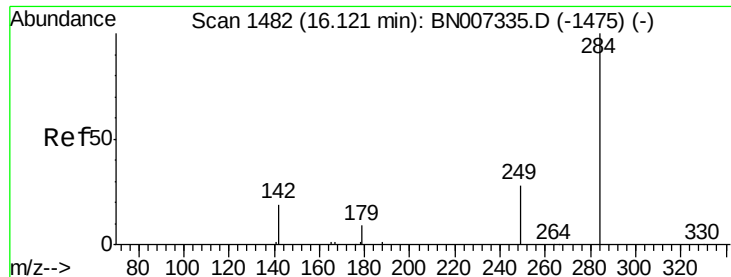
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

16.01

Time-->





#21

Hexachlorobenzene

Concen: 0.259 ng

RT: 16.10 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

Instrument :

BNA_N

ClientSampleId :

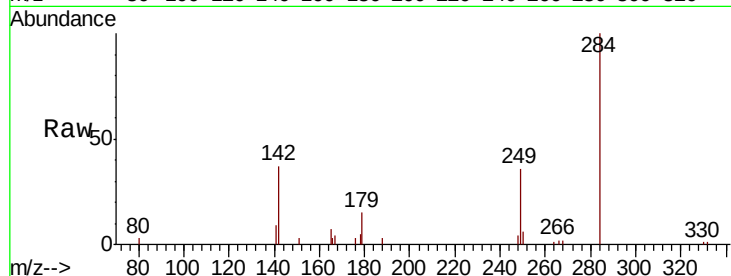
Tot Ion:284 Resp: 6349

Ion Ratio Lower Upper

284 100

142 32.2 29.0 43.6

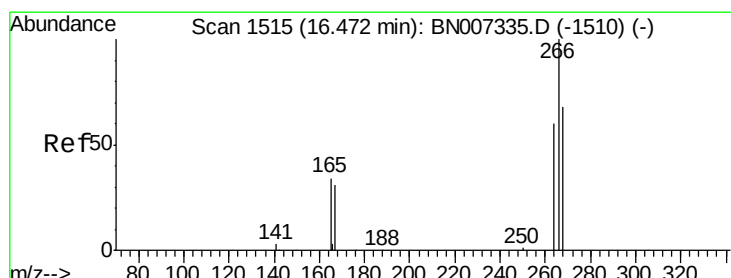
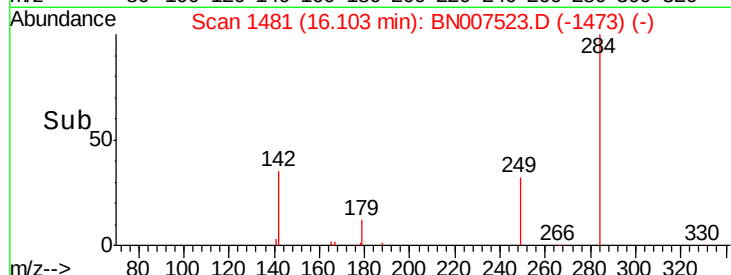
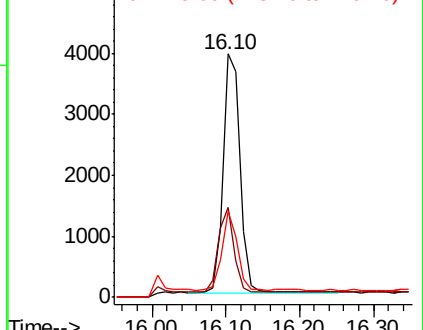
249 29.7 24.9 37.3



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: 0.370 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

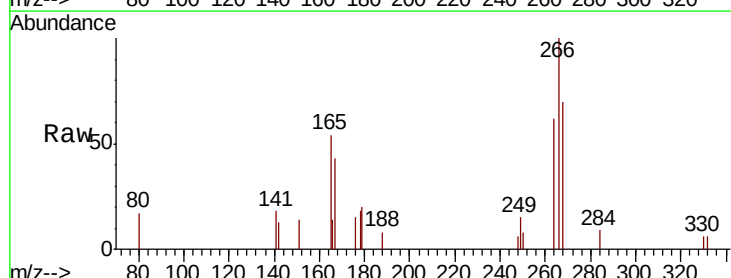
Tgt Ion:266 Resp: 2811

Ion Ratio Lower Upper

266 100

264 62.0 57.8 86.8

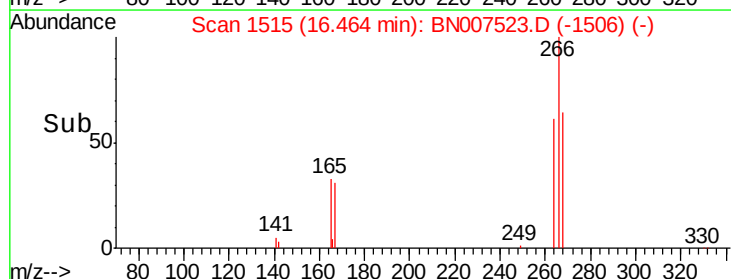
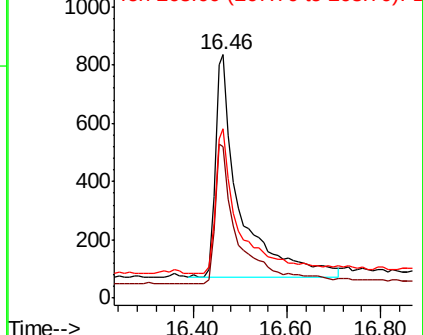
268 69.6 99.7 149.5#

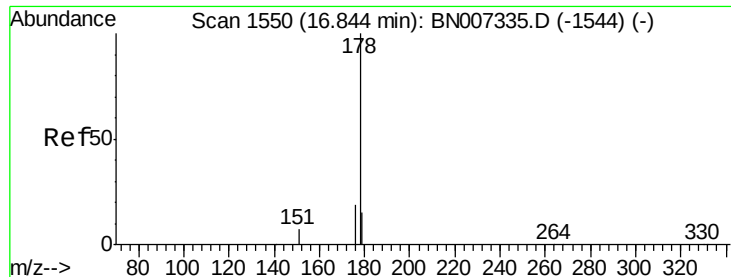


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.279 ng

RT: 16.83 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

Instrument :

BNA_N

ClientSampleId :

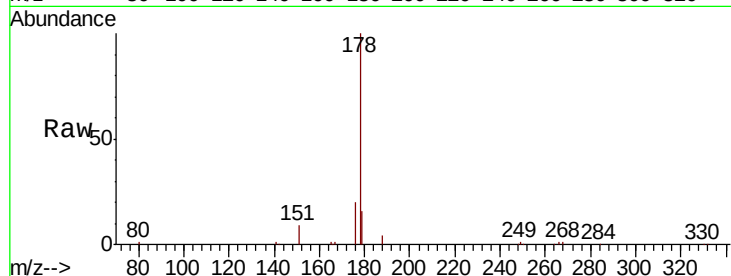
Tot Ion:178 Resp: 30626

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

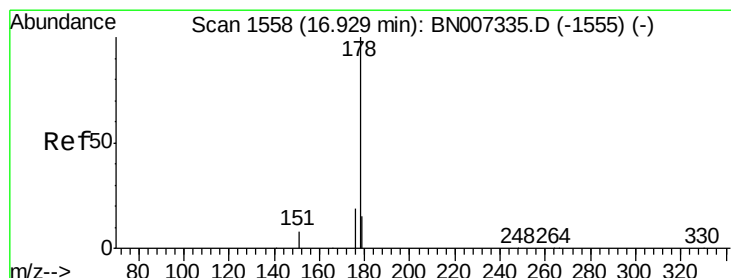
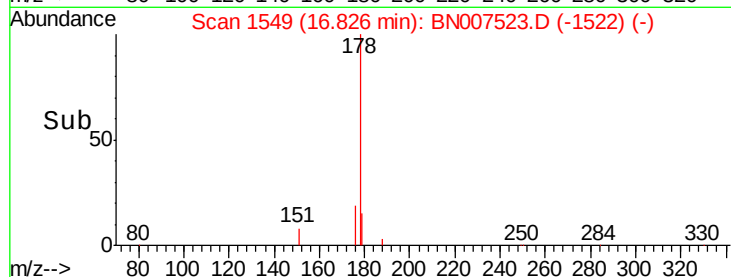
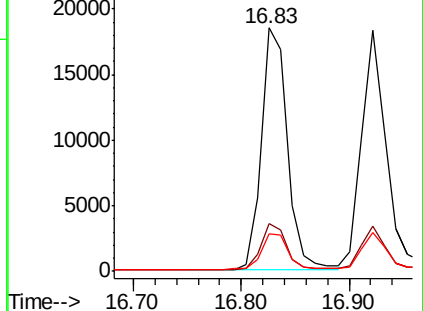
179 15.2 12.6 19.0



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: 0.264 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

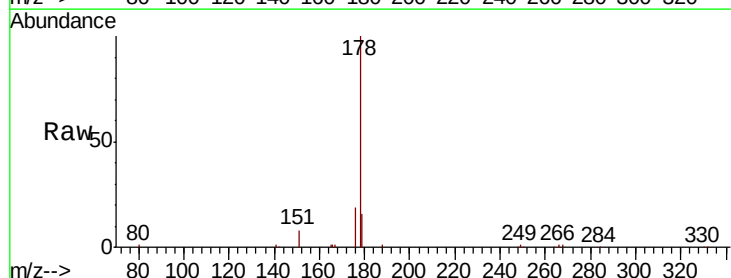
Tgt Ion:178 Resp: 29159

Ion Ratio Lower Upper

178 100

176 18.0 14.9 22.3

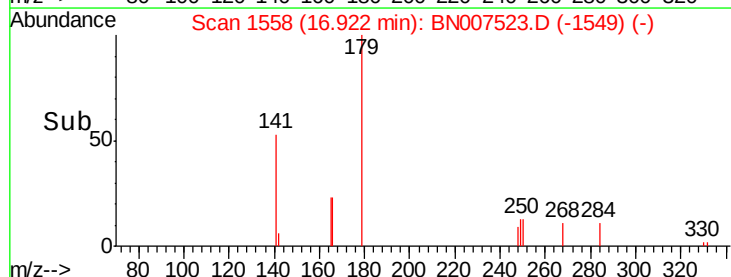
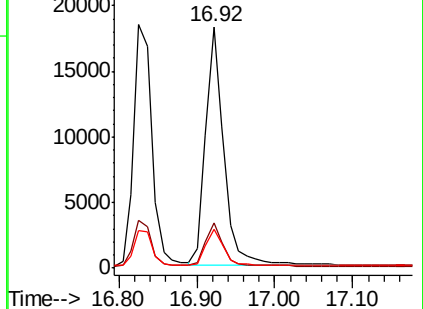
179 15.3 12.4 18.6

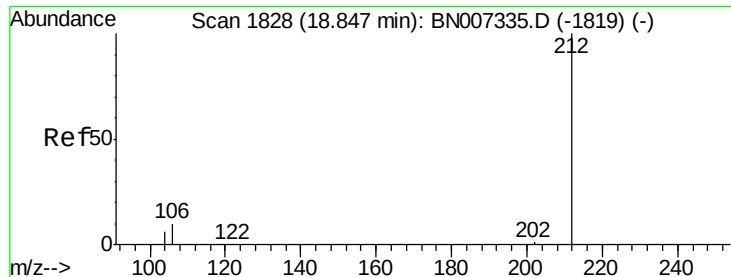


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.344 ng

RT: 18.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

Instrument :

BNA_N

ClientSampleId :

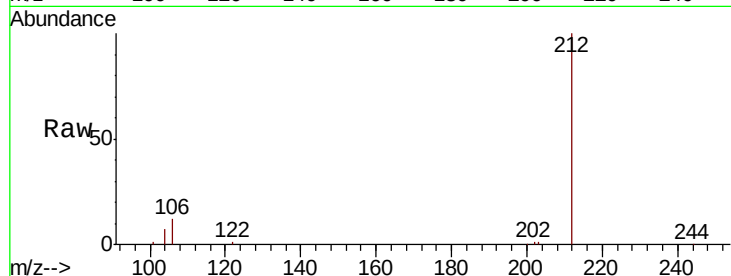
Tot Ion:212 Resp: 40437

Ion Ratio Lower Upper

212 100

106 12.4 9.0 13.4

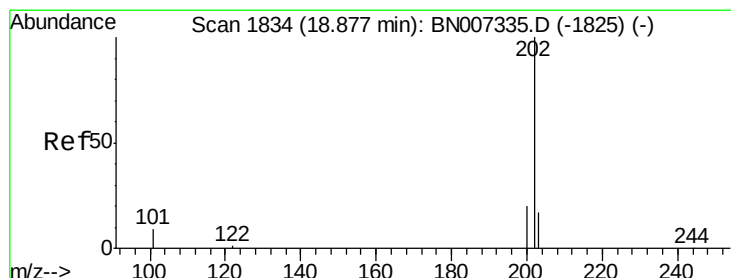
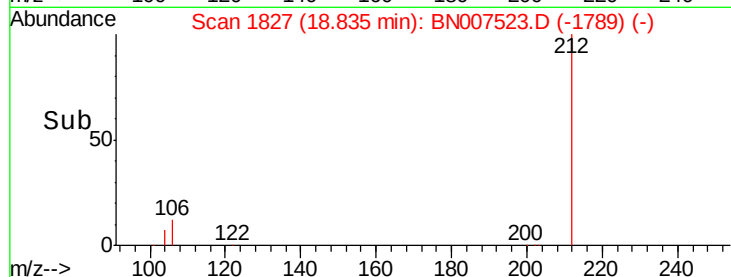
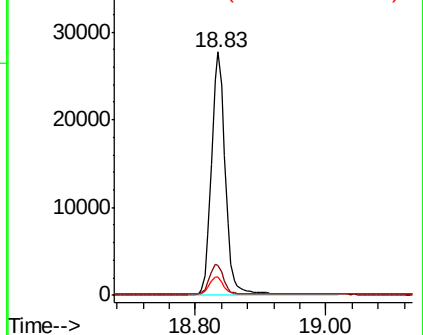
104 7.0 5.4 8.2



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: 0.281 ng

RT: 18.86 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

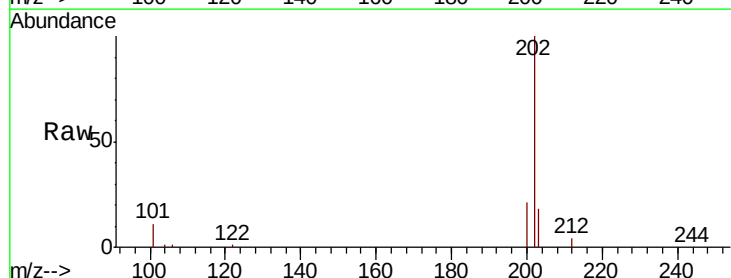
Tgt Ion:202 Resp: 39612

Ion Ratio Lower Upper

202 100

101 10.8 7.7 11.5

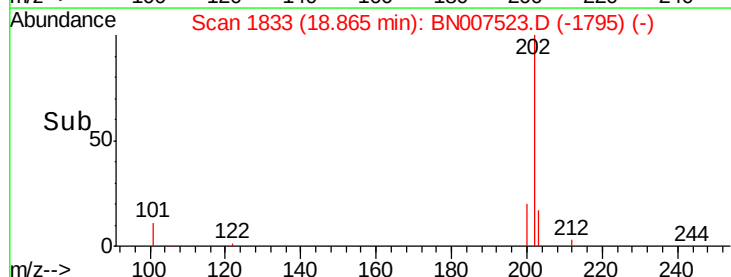
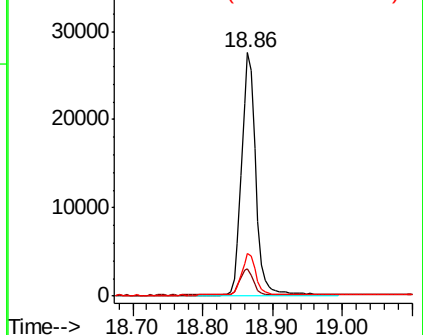
203 17.0 13.7 20.5

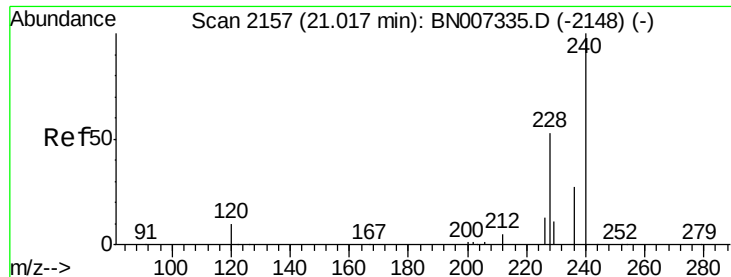


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2158

Delta R.T. -0.00 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

Instrument :

BNA_N

ClientSampleId :

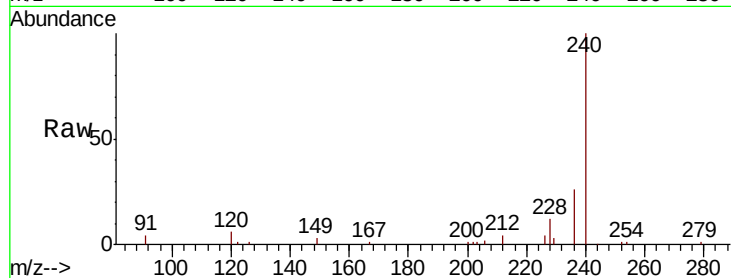
Tot Ion:240 Resp: 36522

Ion Ratio Lower Upper

240 100

120 5.9 9.6 14.4#

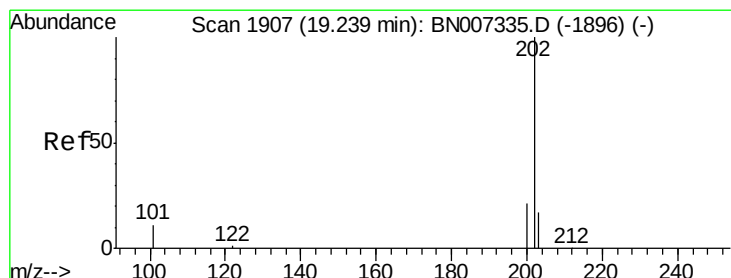
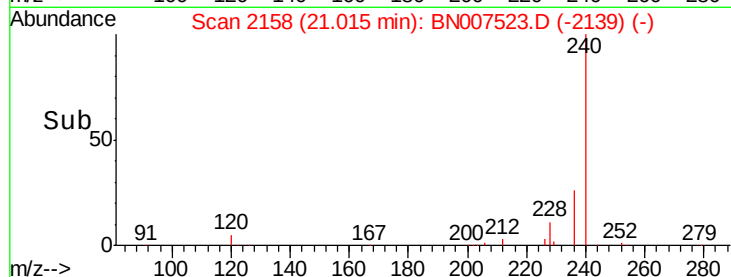
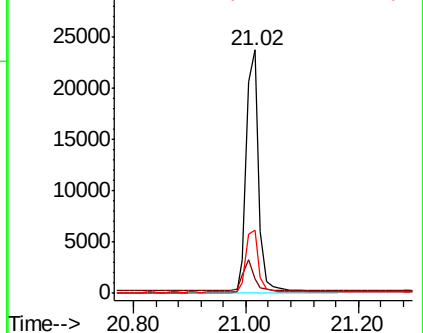
236 25.9 22.2 33.2



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: 0.275 ng

RT: 19.23 min Scan# 1907

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

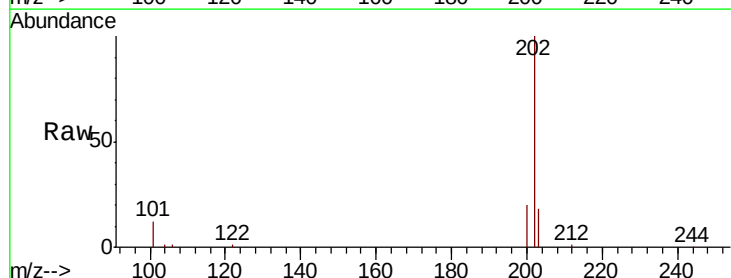
Tgt Ion:202 Resp: 40407

Ion Ratio Lower Upper

202 100

200 20.4 16.6 25.0

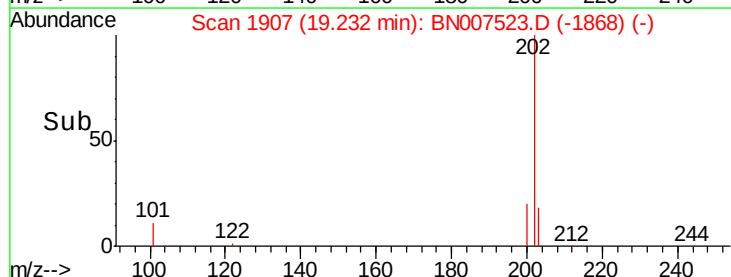
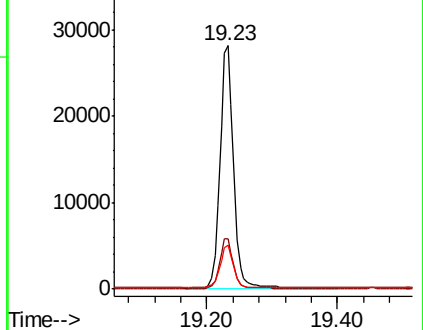
203 18.0 14.2 21.4

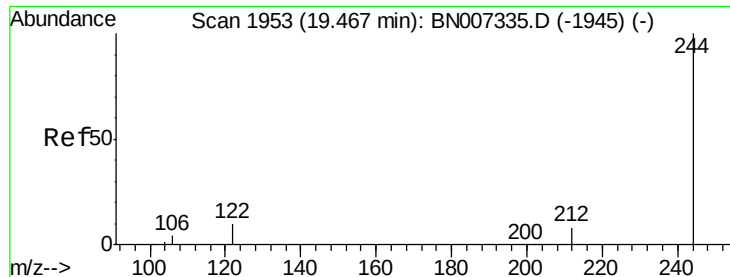


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.337 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

Instrument :

BNA_N

ClientSampleId :

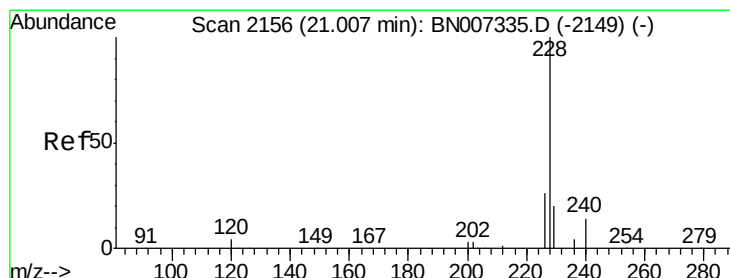
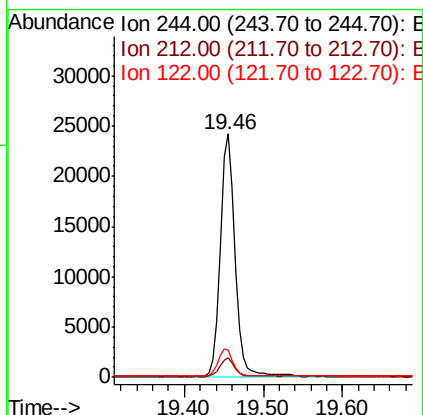
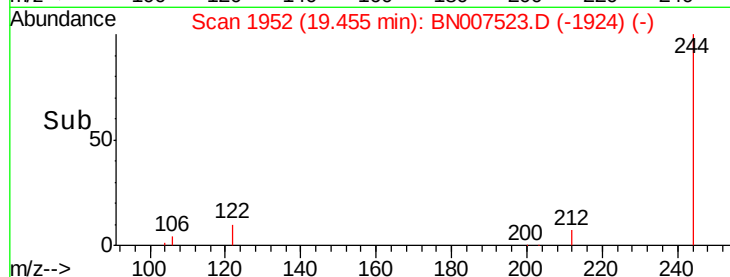
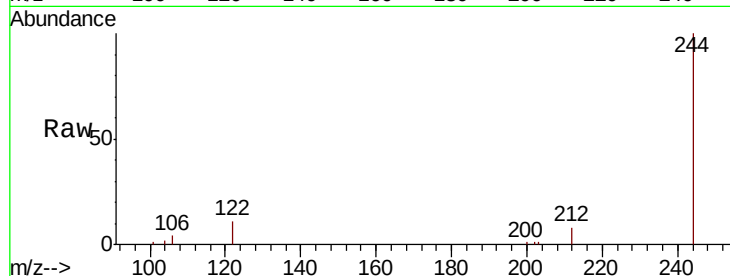
Tot Ion:244 Resp: 32213

Ion Ratio Lower Upper

244 100

212 7.8 7.0 10.6

122 11.0 9.6 14.4



#30

Benzo(a)anthracene

Concen: 0.261 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

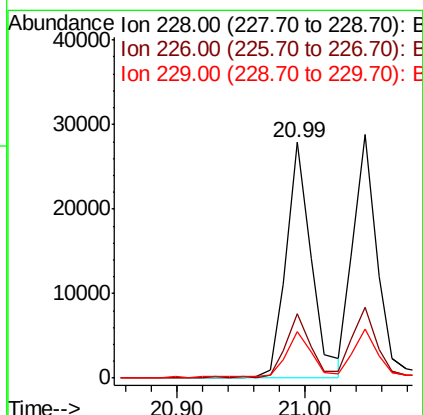
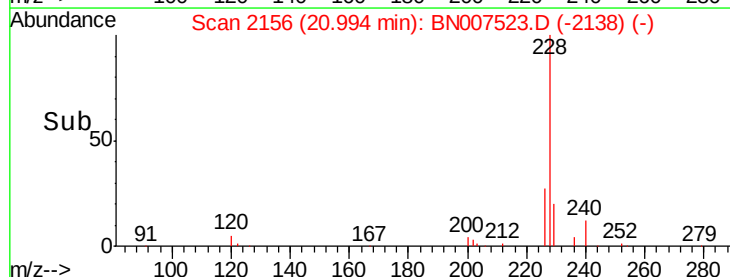
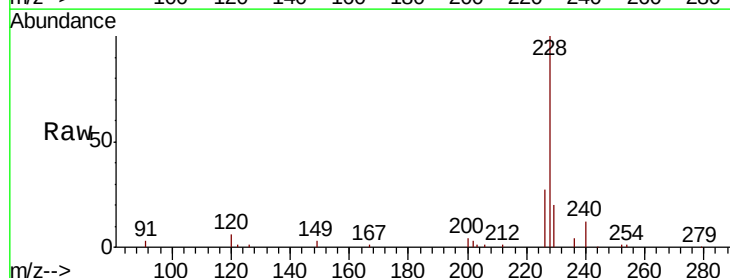
Tgt Ion:228 Resp: 37387

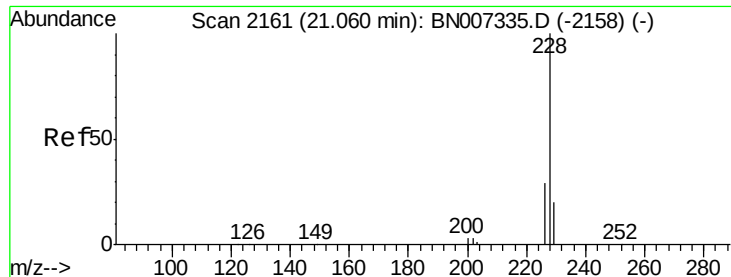
Ion Ratio Lower Upper

228 100

226 27.3 21.3 31.9

229 20.0 16.1 24.1





#31

Chrysene

Concen: 0.269 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

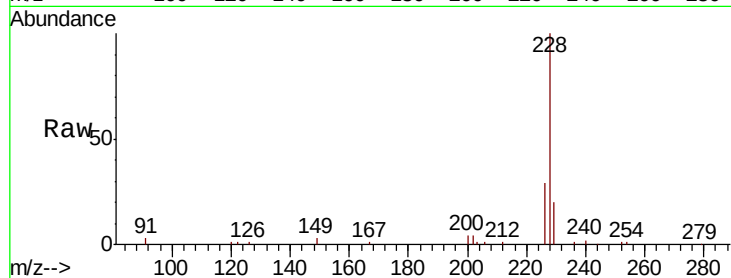
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 37219

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.5	35.3
229	20.2	16.6	24.8

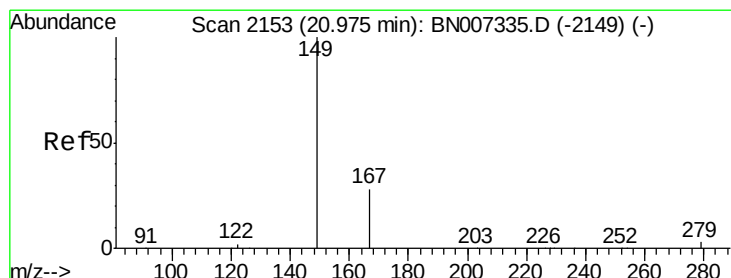
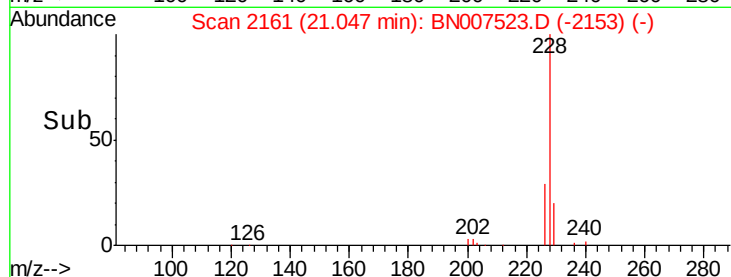
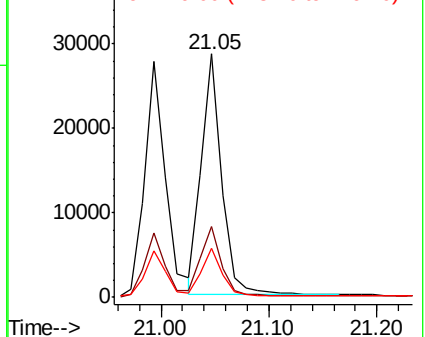


Abundance

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: 0.218 ng

RT: 20.96 min Scan# 2153

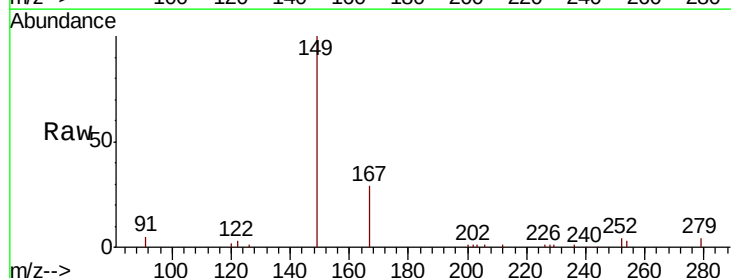
Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

Tgt Ion:149 Resp: 22011

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.8	34.2
279	4.4	3.5	5.3

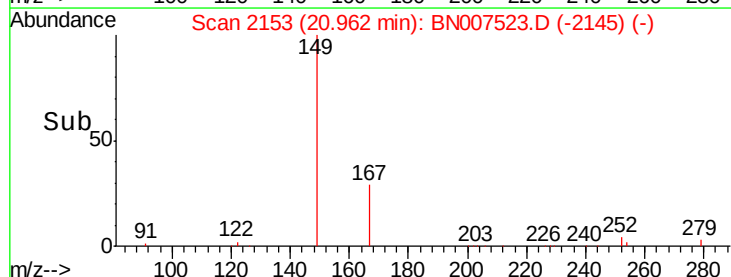
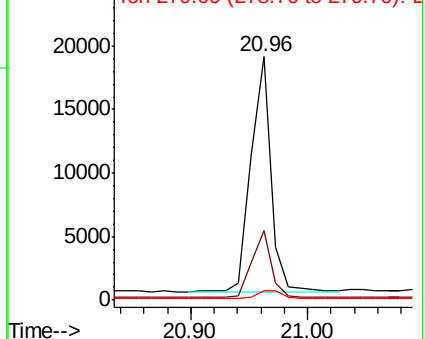


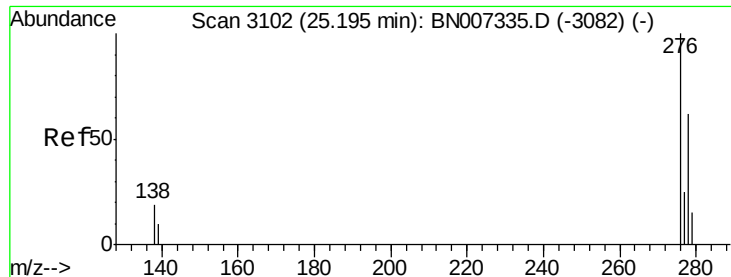
Abundance

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

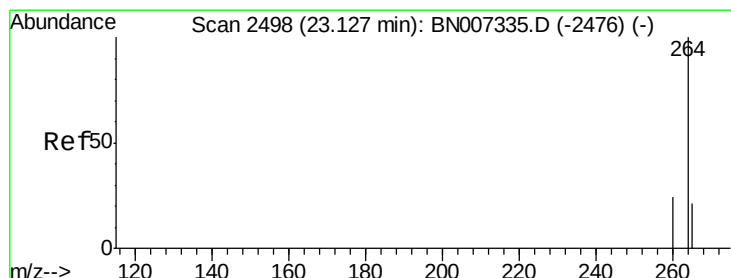
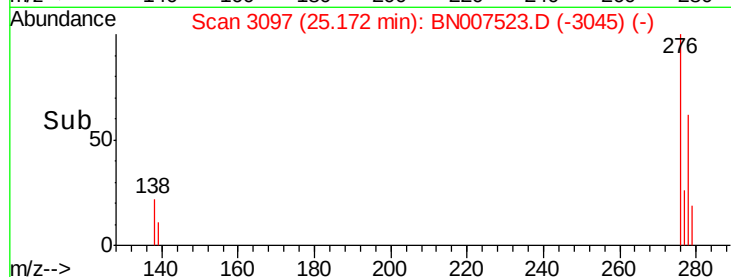
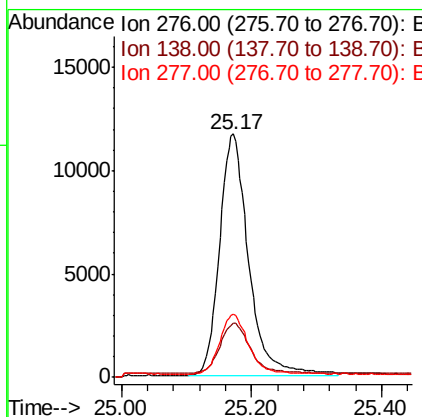
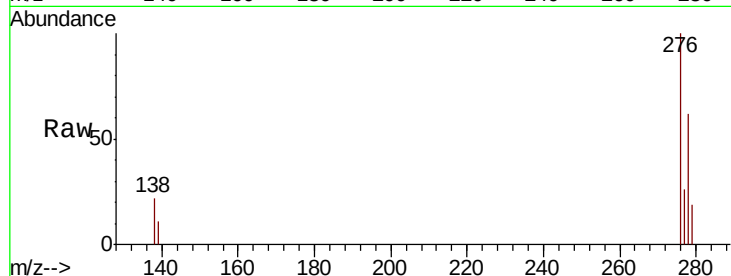




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.217 ng
 RT: 25.17 min Scan# 3097
 Delta R.T. -0.02 min
 Lab File: BN007523.D
 Acq: 30 Aug 2019 14:50

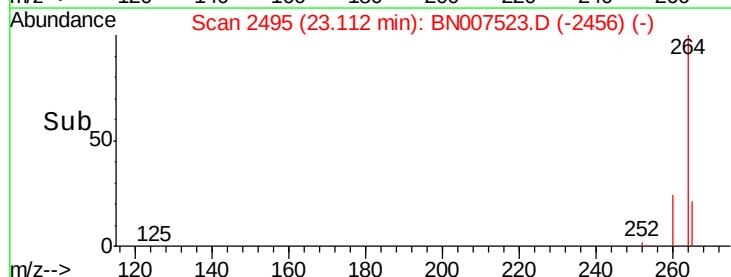
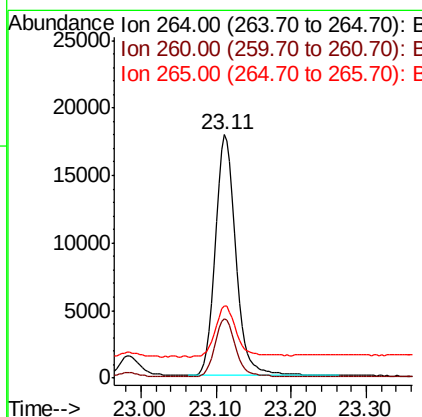
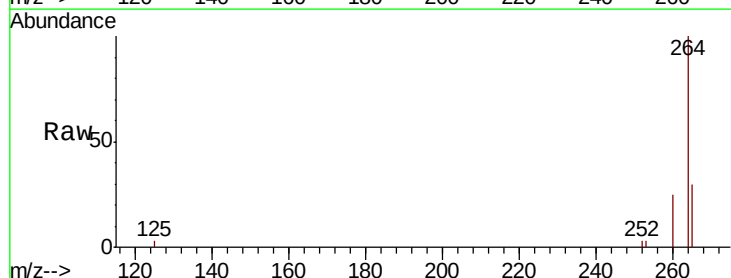
Instrument :
 BNA_N
 ClientSampleId :

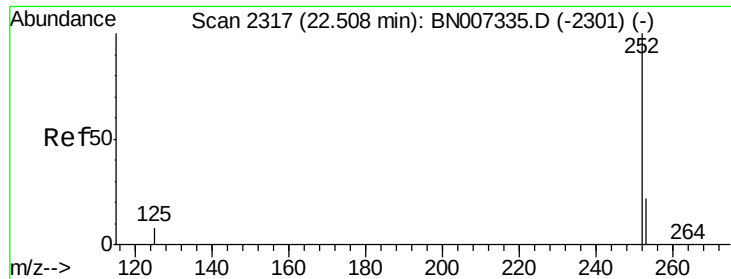
Tot Ion:276 Resp: 36137
 Ion Ratio Lower Upper
 276 100
 138 20.1 15.1 22.7
 277 23.8 19.7 29.5



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.11 min Scan# 2495
 Delta R.T. -0.02 min
 Lab File: BN007523.D
 Acq: 30 Aug 2019 14:50

Tgt Ion:264 Resp: 33924
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.7 29.5
 265 29.6 29.9 44.9#





#35

Benzo(b)fluoranthene

Concen: 0.283 ng

RT: 22.50 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

Instrument :

BNA_N

ClientSampleId :

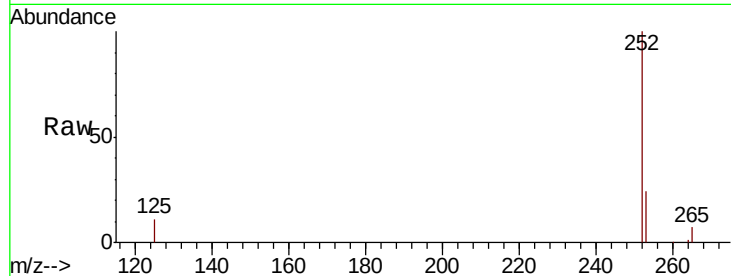
Tot Ion:252 Resp: 34805

Ion Ratio Lower Upper

252 100

253 23.5 19.2 28.8

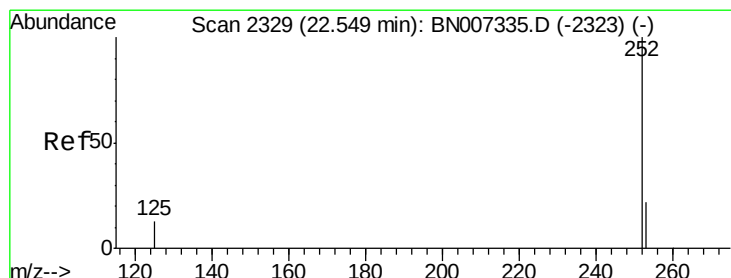
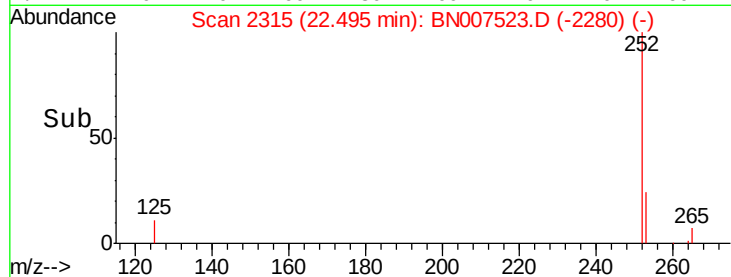
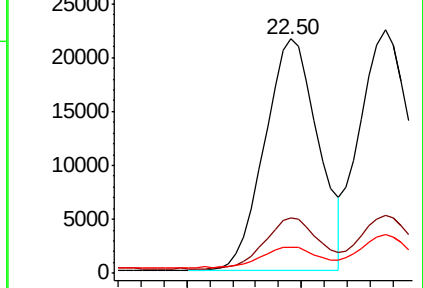
125 11.2 10.6 16.0



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: 0.301 ng

RT: 22.54 min Scan# 2327

Delta R.T. -0.01 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

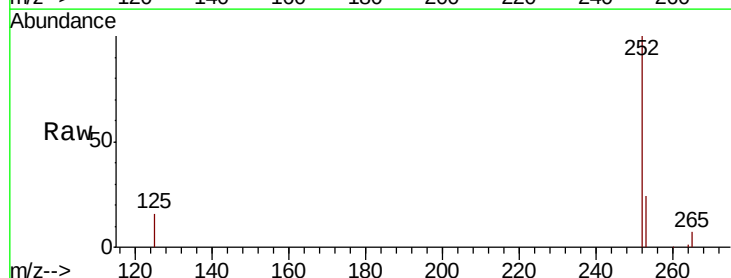
Tgt Ion:252 Resp: 36620

Ion Ratio Lower Upper

252 100

253 24.0 19.4 29.2

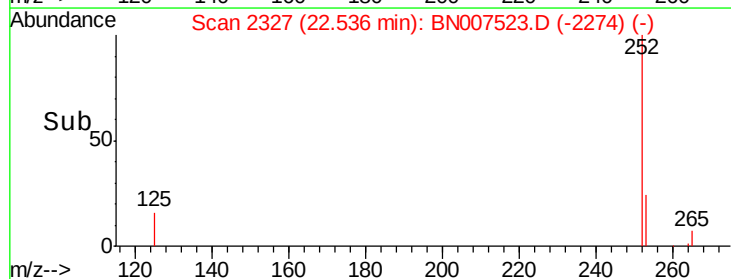
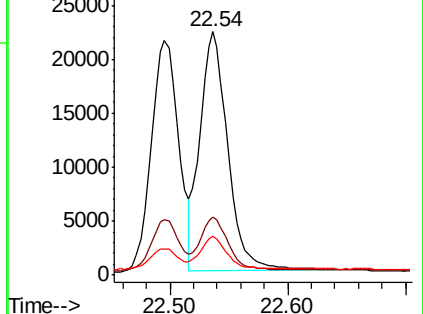
125 15.8 13.1 19.7

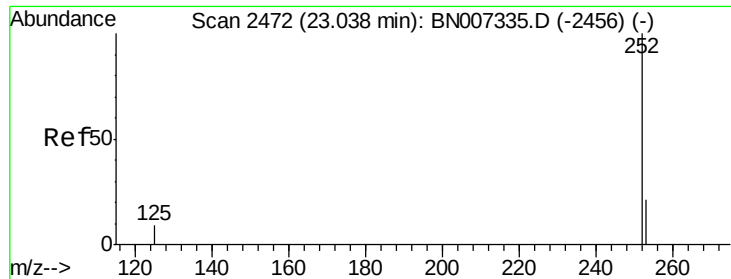


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.279 ng

RT: 23.02 min Scan# 2469

Delta R.T. -0.02 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

Instrument :

BNA_N

ClientSampleId :

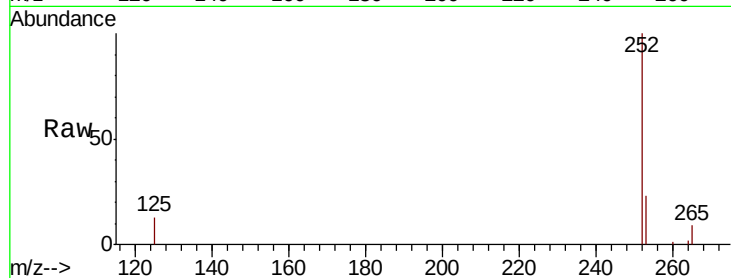
Tot Ion:252 Resp: 32661

Ion Ratio Lower Upper

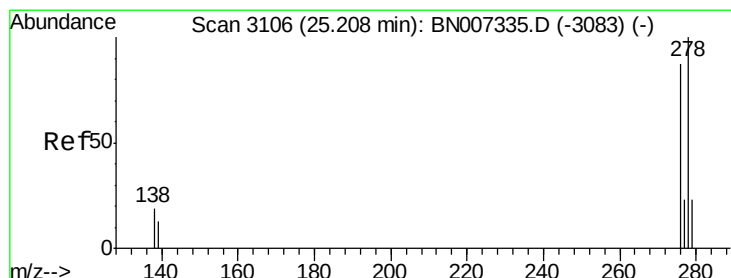
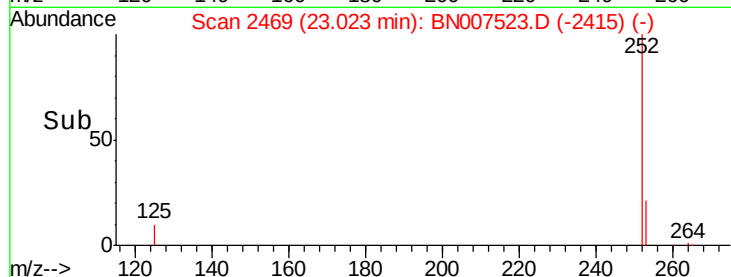
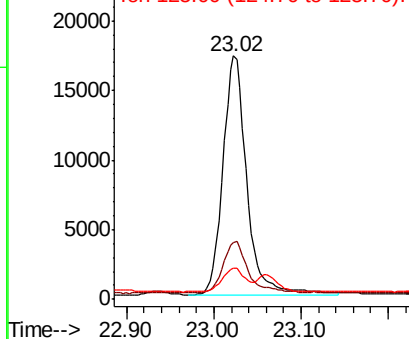
252 100

253 23.4 19.5 29.3

125 12.8 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: 0.250 ng

RT: 25.19 min Scan# 3101

Delta R.T. -0.02 min

Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

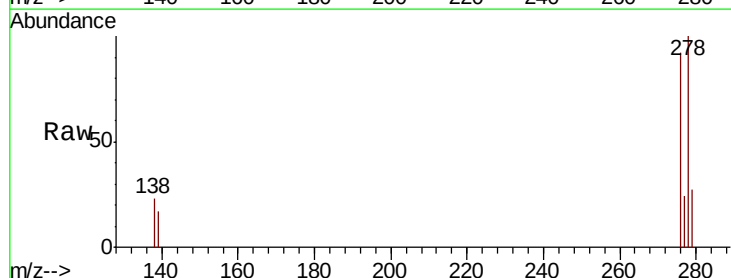
Tgt Ion:278 Resp: 29218

Ion Ratio Lower Upper

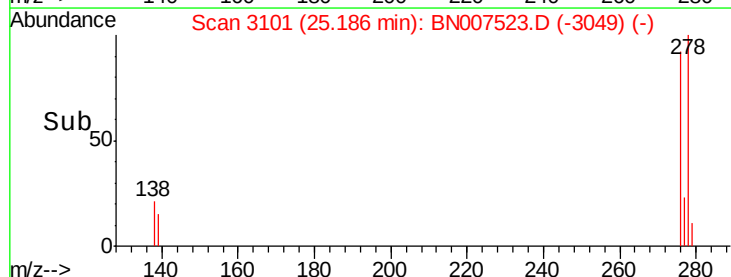
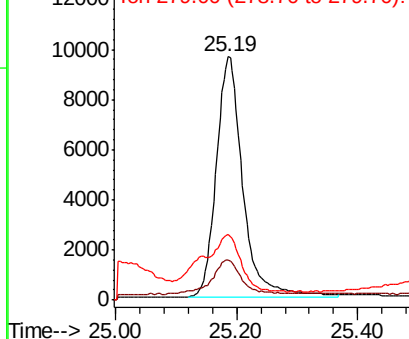
278 100

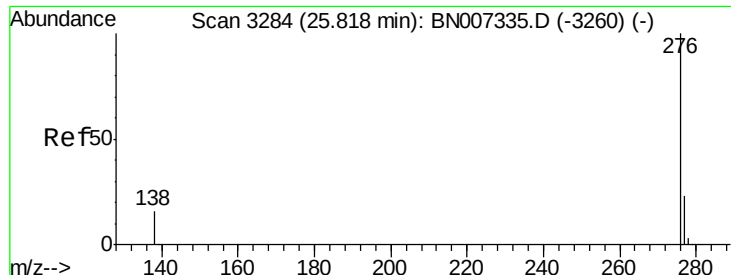
139 16.7 13.7 20.5

279 27.1 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: 0.262 ng

RT: 25.80 min Scan# 3279

Delta R.T. -0.02 min

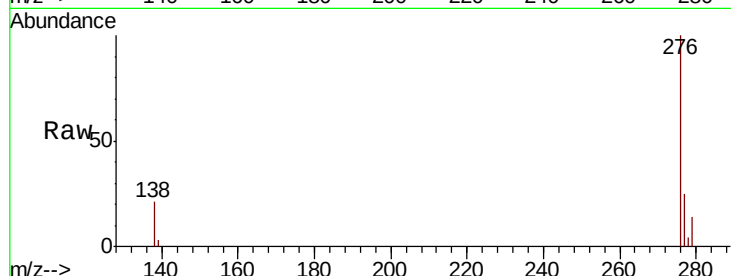
Lab File: BN007523.D

Acq: 30 Aug 2019 14:50

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 30452

Ion Ratio Lower Upper

276 100

277 25.2 19.6 29.4

138 21.1 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

