

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121719\
 Data File : BN009010.D
 Acq On : 17 Dec 2019 11:17
 Operator : JU
 Sample : PB125417BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB125417BS

Quant Time: Dec 17 16:08:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 17:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	3979	0.40	ng	-0.02
7) Naphthalene-d8	10.30	136	15307	0.40	ng	-0.01
13) Acenaphthene-d10	14.17	164	10916	0.40	ng	-0.01
19) Phenanthrene-d10	16.92	188	28552	0.40	ng	-0.01
27) Chrysene-d12	21.12	240	26512	0.40	ng	-0.01
34) Perylene-d12	23.27	264	24355	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	3629	0.36	ng	-0.02
5) Phenol-d6	6.74	99	5179	0.37	ng	-0.02
8) Nitrobenzene-d5	8.68	82	4325	0.33	ng	-0.01
11) 2-Methylnaphthalene-d10	11.90	152	9772	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.67	330	1969	0.38	ng	-0.01
15) 2-Fluorobiphenyl	12.79	172	13615	0.33	ng	-0.02
25) Fluoranthene-d10	18.96	212	29755	0.34	ng	0.00
29) Terphenyl-d14	19.57	244	21850	0.36	ng	0.00

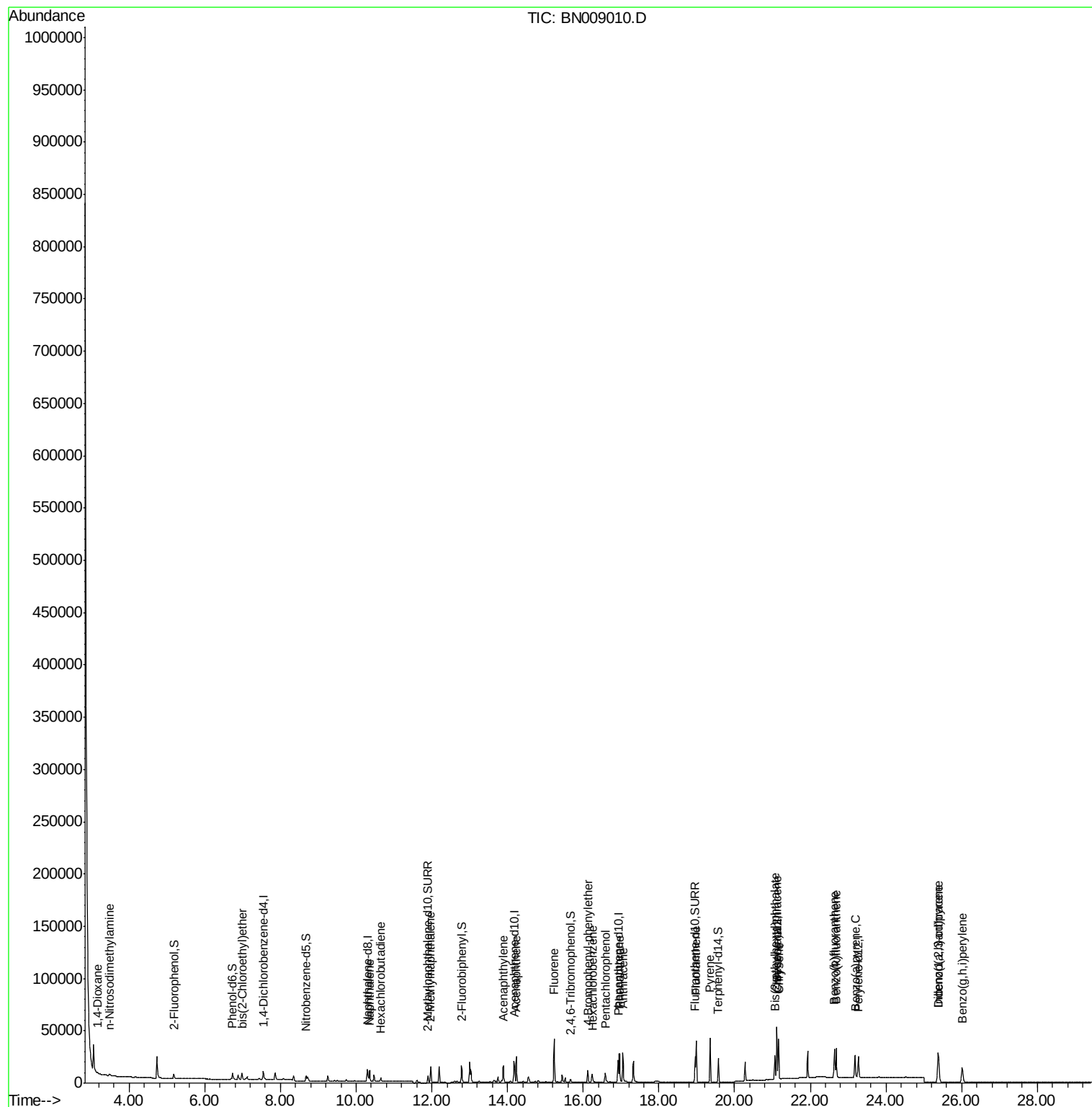
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.16	88	574	0.154	ng	# 77
3) n-Nitrosodimethylamine	3.47	42	1560	0.303	ng	# 85
6) bis(2-Chloroethyl)ether	6.99	93	4317	0.328	ng	97
9) Naphthalene	10.35	128	15240	0.365	ng	99
10) Hexachlorobutadiene	10.65	225	2797	0.350	ng	# 100
12) 2-Methylnaphthalene	11.97	142	11471	0.369	ng	99
16) Acenaphthylene	13.89	152	18664	0.374	ng	100
17) Acenaphthene	14.24	154	11938	0.360	ng	99
18) Fluorene	15.23	166	17157	0.385	ng	100
20) 4-Bromophenyl-phenylether	16.12	248	5692	0.333	ng	94
21) Hexachlorobenzene	16.24	284	6318	0.325	ng	100
22) Pentachlorophenol	16.58	266	4755	0.678	ng	96
23) Phenanthrene	16.96	178	31236	0.348	ng	100
24) Anthracene	17.05	178	28451	0.360	ng	100
26) Fluoranthene	18.99	202	36793	0.344	ng	100
28) Pyrene	19.35	202	37061	0.399	ng	99
30) Benzo(a)anthracene	21.11	228	34263	0.364	ng	99
31) Chrysene	21.16	228	35099	0.360	ng	99
32) Bis(2-ethylhexyl)phthalate	21.07	149	16863	0.383	ng	100
33) Indeno(1,2,3-cd)pyrene	25.37	276	31508	0.305	ng	99
35) Benzo(b)fluoranthene	22.64	252	32218	0.369	ng	98
36) Benzo(k)fluoranthene	22.68	252	33277	0.379	ng	98
37) Benzo(a)pyrene	23.18	252	29319	0.374	ng	99
38) Dibenzo(a,h)anthracene	25.39	278	25705	0.350	ng	99
39) Benzo(g,h,i)perylene	26.01	276	26890	0.371	ng	99

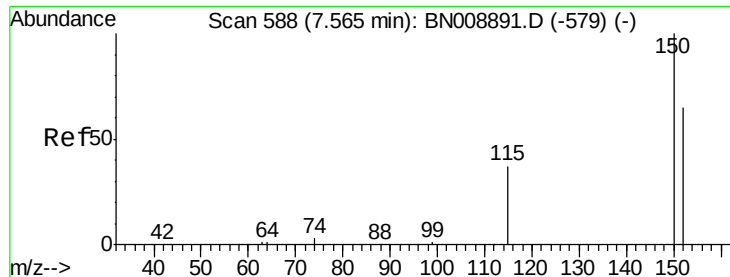
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121719\
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Instrument :
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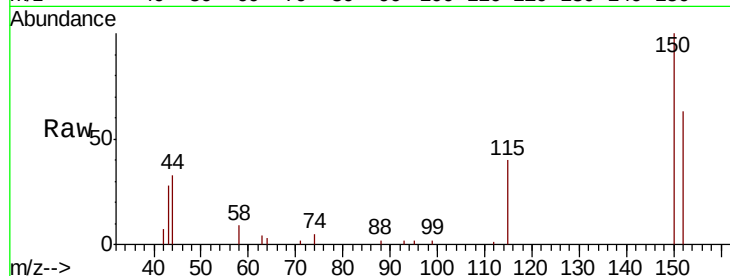


#1

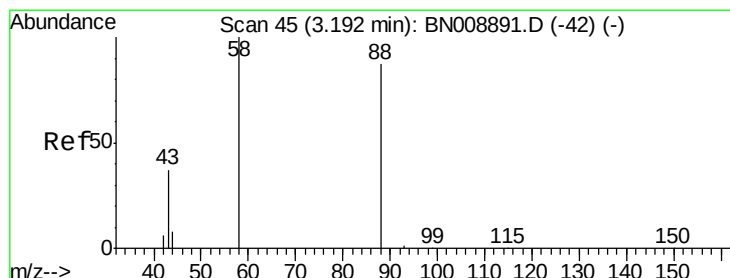
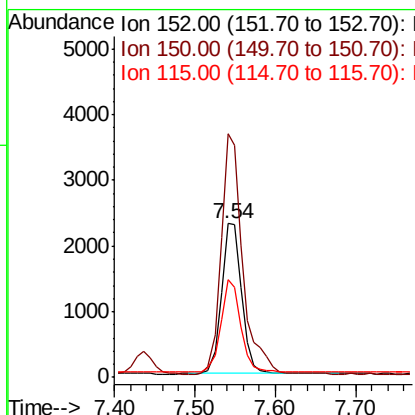
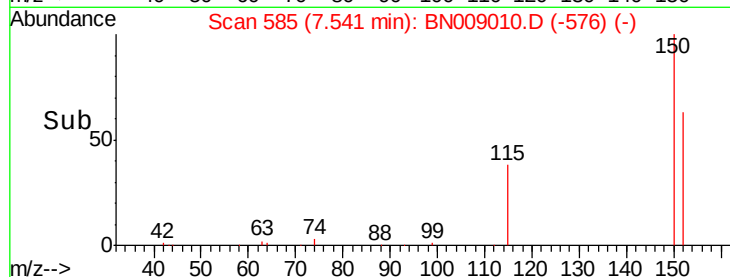
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. -0.02 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tot Ion:152 Resp: 3979
Ion Ratio Lower Upper
152 100
150 158.2 122.3 183.5
115 63.3 48.4 72.6



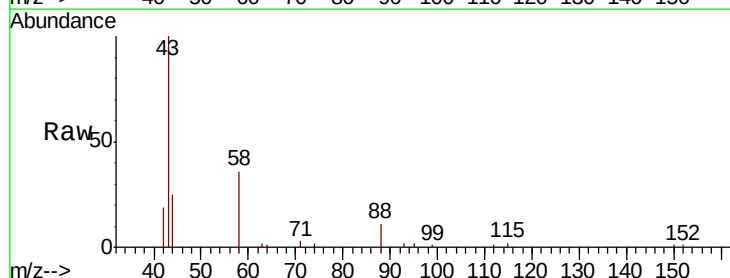
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



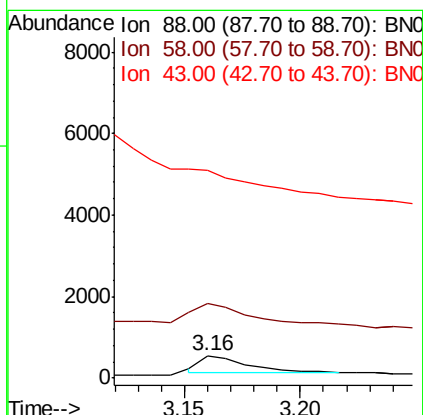
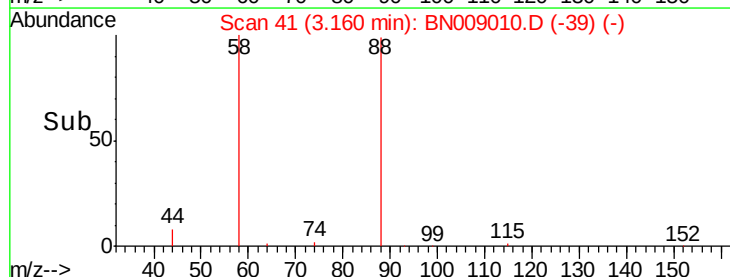
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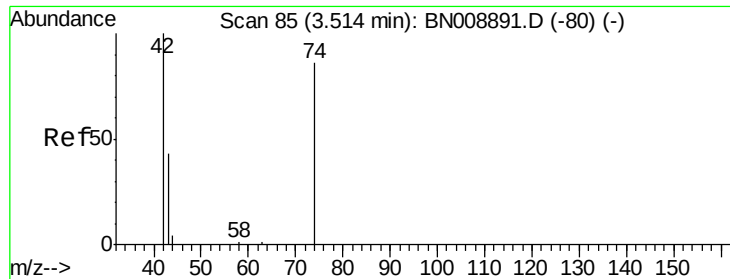
1,4-Dioxane
Concen: 0.154 ng
RT: 3.16 min Scan# 41
Delta R.T. -0.03 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion: 88 Resp: 574
Ion Ratio Lower Upper
88 100
58 119.7 88.6 132.8
43 0.0 31.8 47.8#



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



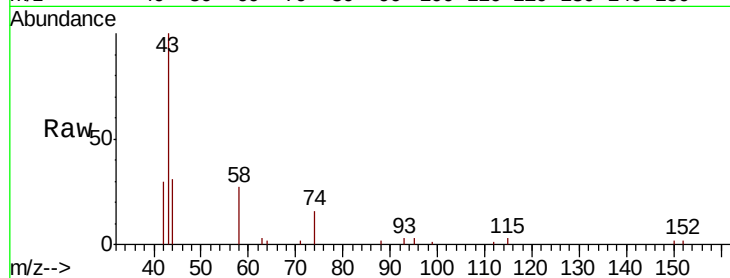


#3

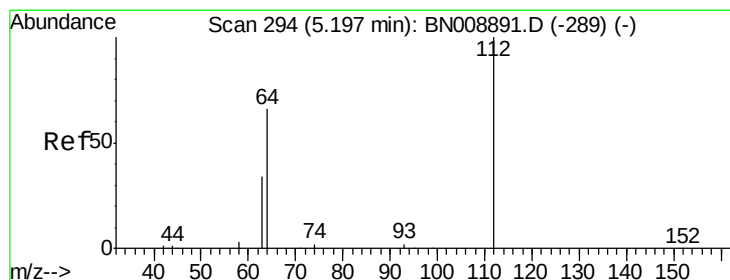
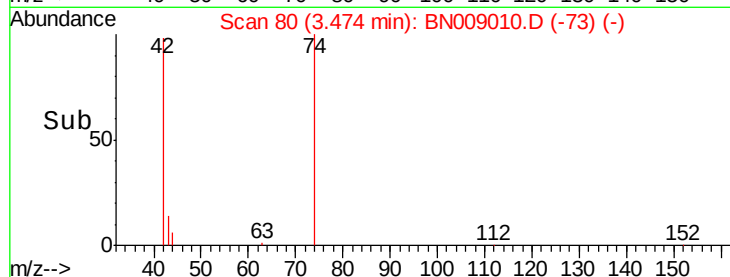
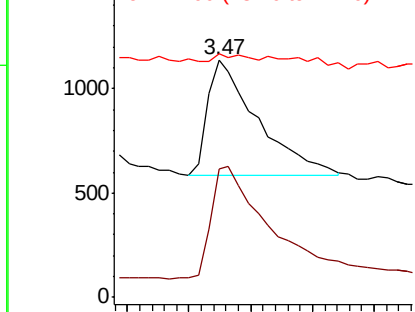
n-Nitrosodimethylamine
 Concen: 0.303 ng
 RT: 3.47 min Scan# 80
 Delta R.T. -0.04 min
 Lab File: BN009010.D
 Acq: 17 Dec 2019 11:17

Instrument :
 BNA_N
 ClientSampleId :
 PB125417BS

Tot Ion: 42 Resp: 1560
 Ion Ratio Lower Upper
 42 100
 74 112.7 78.6 117.8
 44 3.5 0.0 0.0#



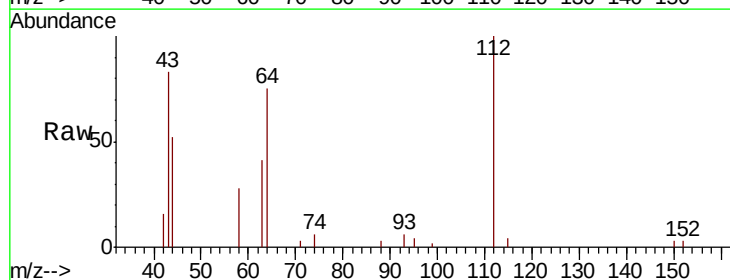
Abundance Ion 42.00 (41.70 to 42.70): BNC
 Ion 74.00 (73.70 to 74.70): BNC
 Ion 44.00 (43.70 to 44.70): BNC



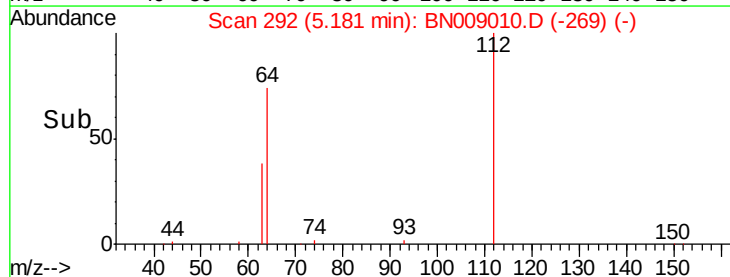
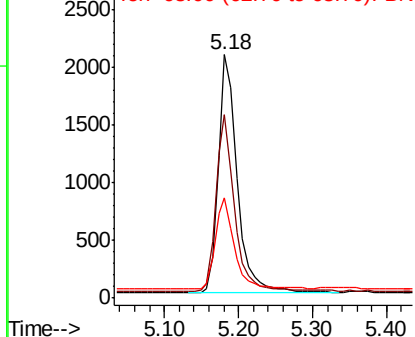
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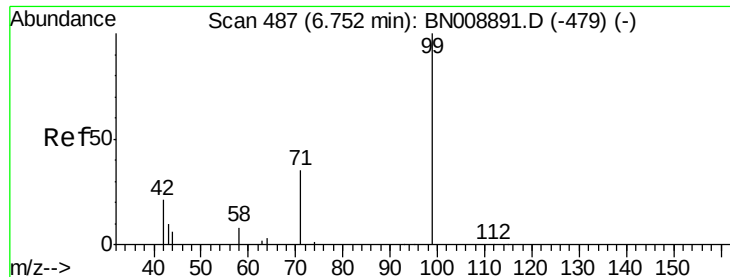
2-Fluorophenol
 Concen: 0.359 ng
 RT: 5.18 min Scan# 292
 Delta R.T. -0.02 min
 Lab File: BN009010.D
 Acq: 17 Dec 2019 11:17

Tgt Ion: 112 Resp: 3629
 Ion Ratio Lower Upper
 112 100
 64 73.3 57.7 86.5
 63 39.1 29.6 44.4



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





#5

Phenol-d6

Concen: 0.370 ng

RT: 6.74 min Scan# 485

Delta R.T. -0.02 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

Instrument :

BNA_N

ClientSampleId :

PB125417BS

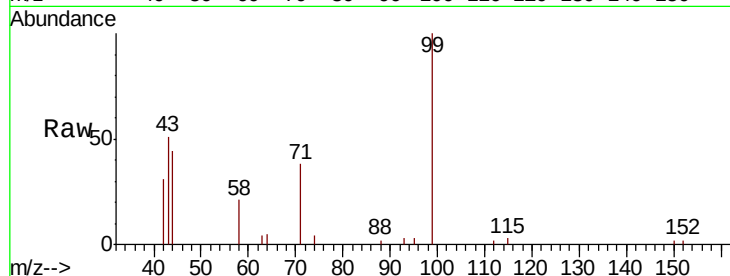
Tot Ion: 99 Resp: 5179

Ion Ratio Lower Upper

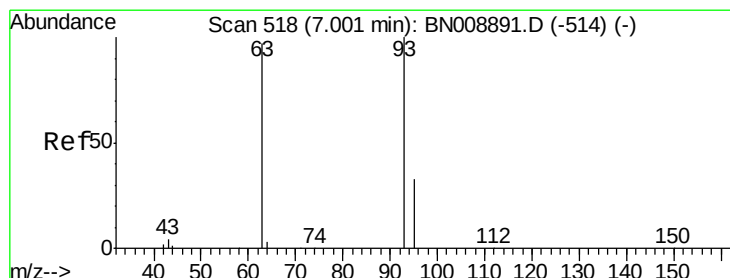
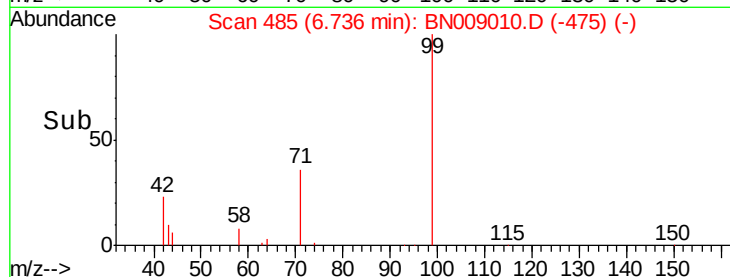
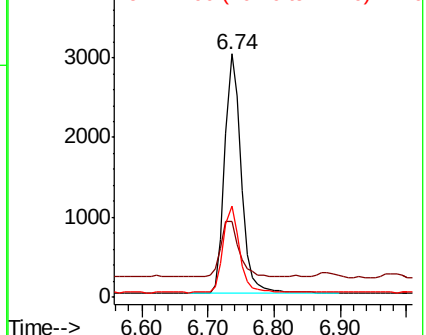
99 100

42 25.8 20.1 30.1

71 35.6 28.2 42.2



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: 0.328 ng

RT: 6.99 min Scan# 516

Delta R.T. -0.02 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

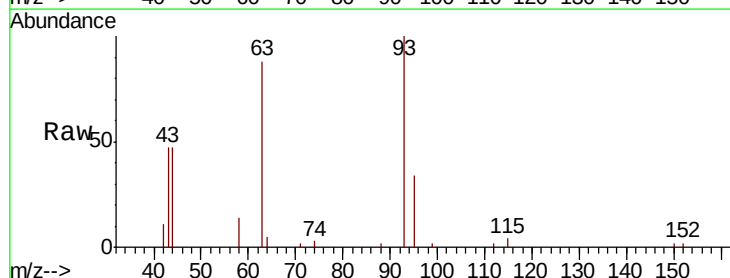
Tgt Ion: 93 Resp: 4317

Ion Ratio Lower Upper

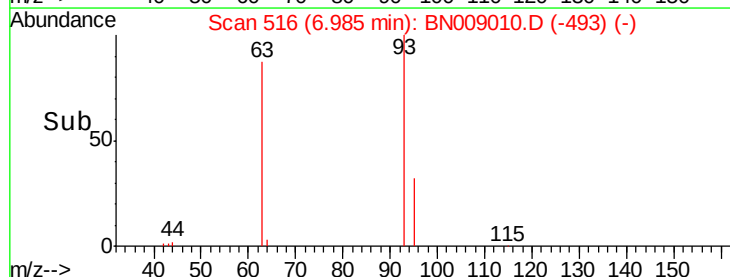
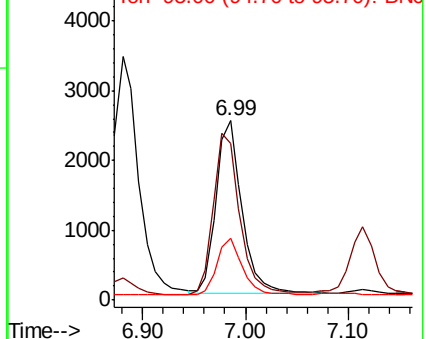
93 100

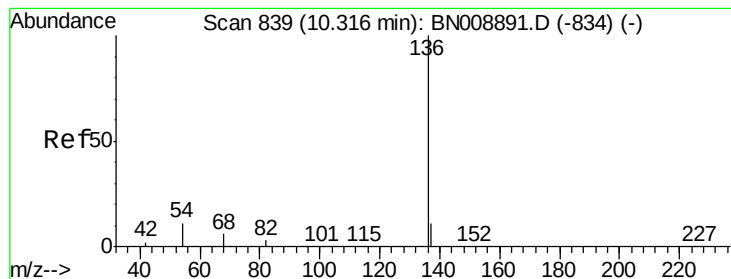
63 95.6 73.5 110.3

95 32.6 26.0 39.0



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: 10.30 min Scan# 838

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

Instrument :

BNA_N

ClientSampleId :

PB125417BS

Tot Ion:136 Resp: 15307

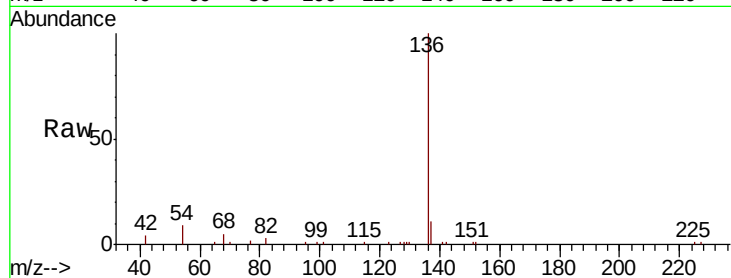
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 9.3 9.6 14.4#

68 5.3 5.6 8.4#

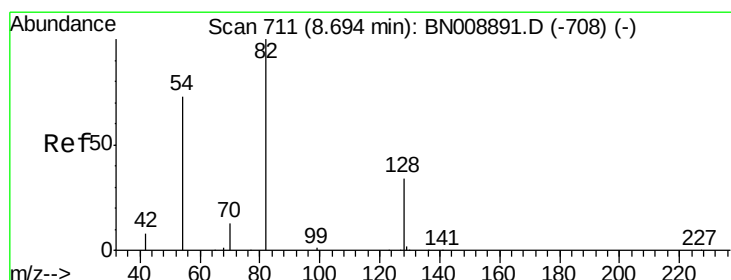
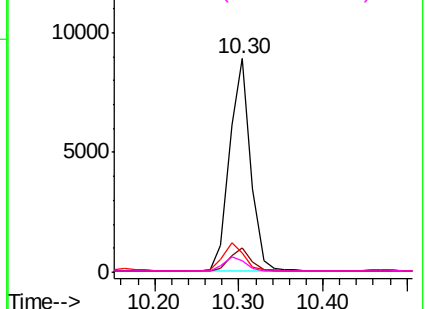
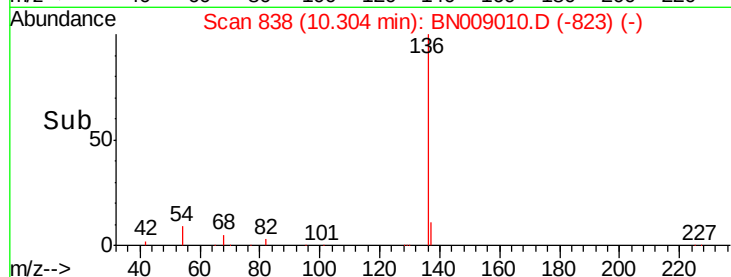


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.333 ng

RT: 8.68 min Scan# 710

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

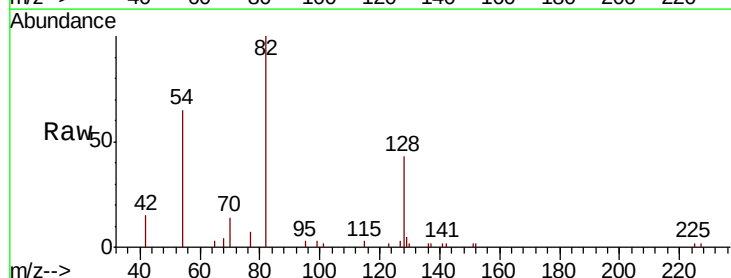
Tgt Ion: 82 Resp: 4325

Ion Ratio Lower Upper

82 100

128 43.2 29.1 43.7

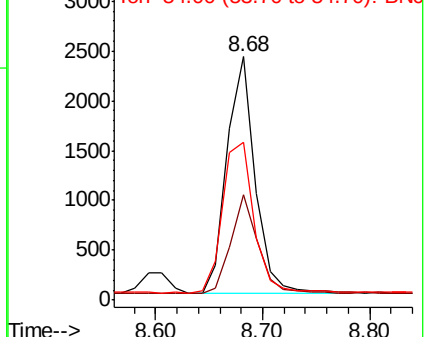
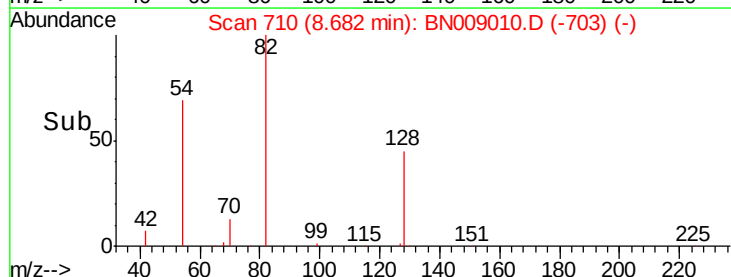
54 64.8 59.7 89.5

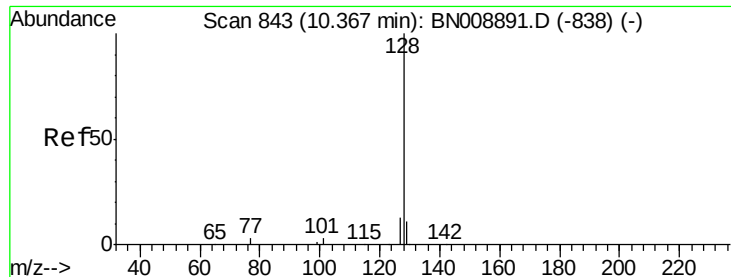


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.365 ng

RT: 10.35 min Scan# 842

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

Instrument :

BNA_N

ClientSampleId :

PB125417BS

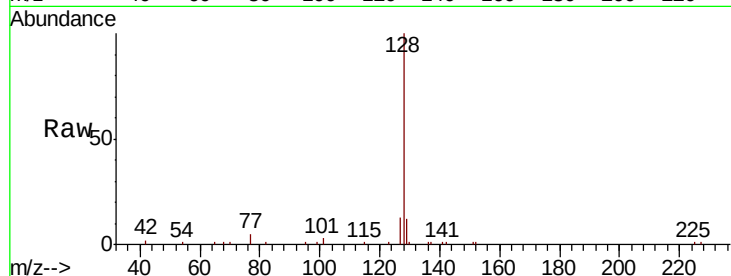
Tot Ion:128 Resp: 15240

Ion Ratio Lower Upper

128 100

129 11.5 9.4 14.0

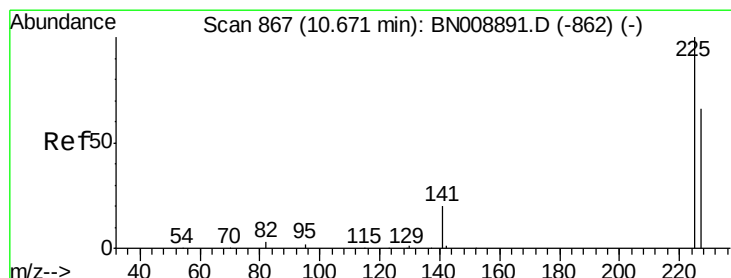
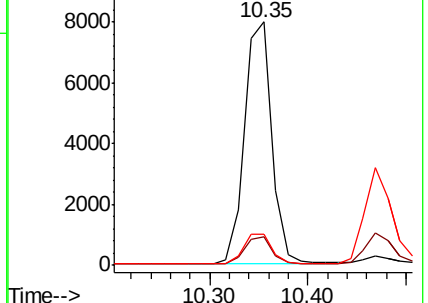
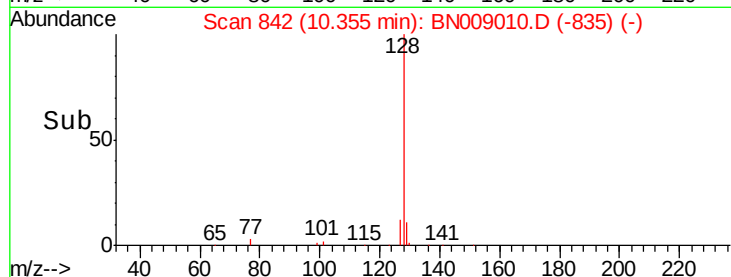
127 12.8 10.8 16.2



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: 0.350 ng

RT: 10.65 min Scan# 865

Delta R.T. -0.03 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

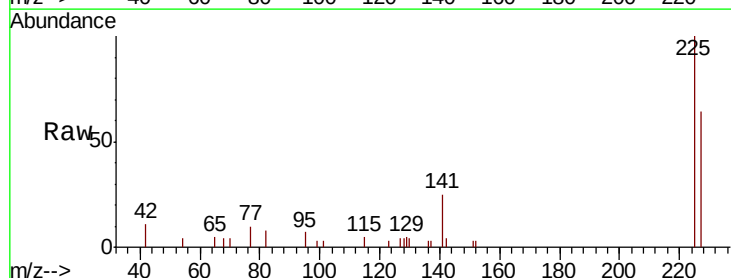
Tgt Ion:225 Resp: 2797

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

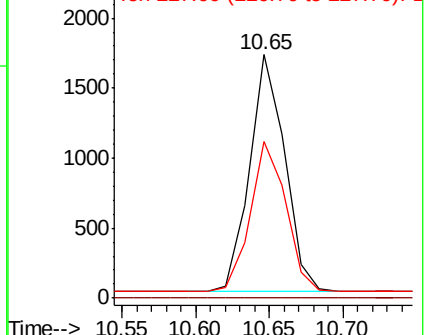
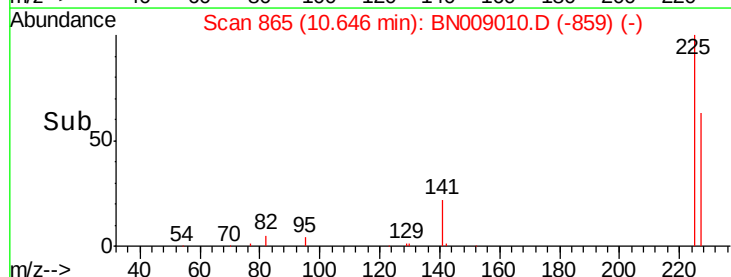
227 64.3 51.4 77.2

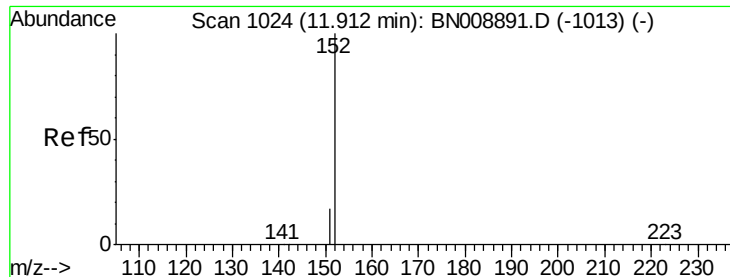


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

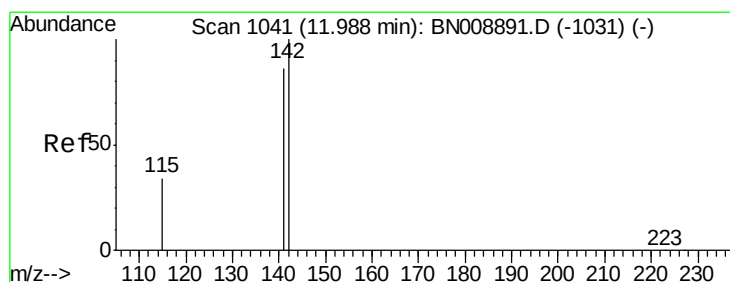
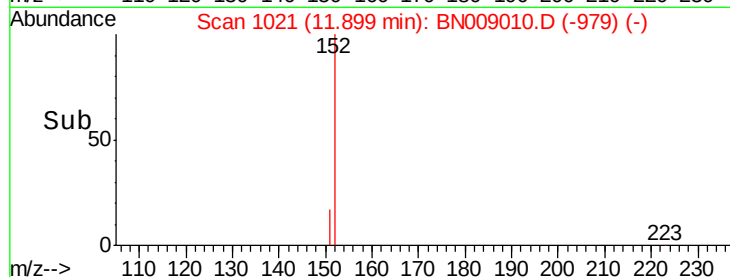
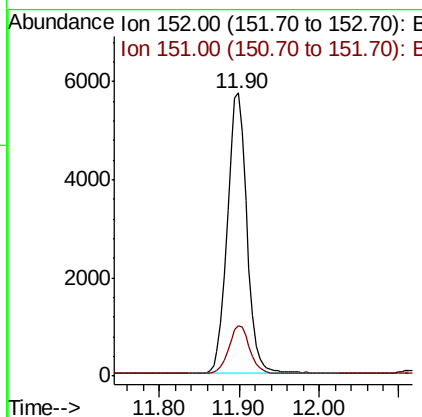
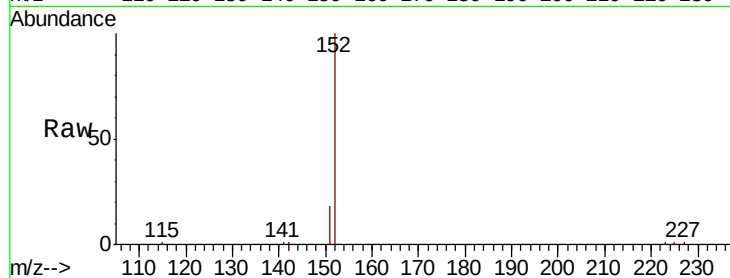




#11
 2-Methylnaphthalene-d10
 Concen: 0.373 ng
 RT: 11.90 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BN009010.D
 Acq: 17 Dec 2019 11:17

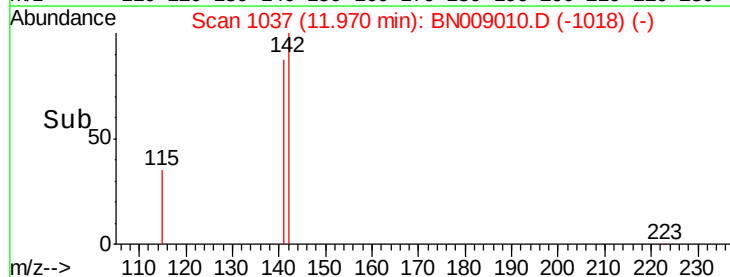
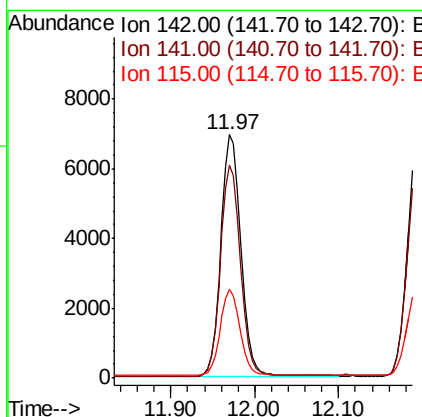
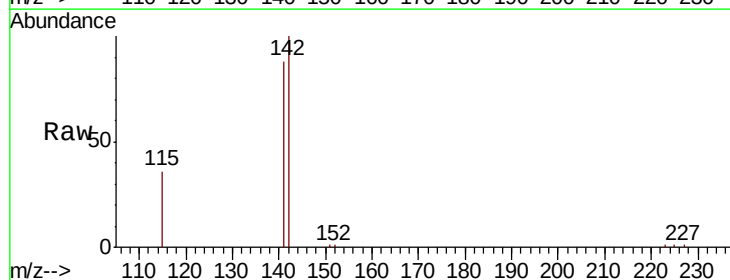
Instrument :
 BNA_N
 ClientSampleId :
 PB125417BS

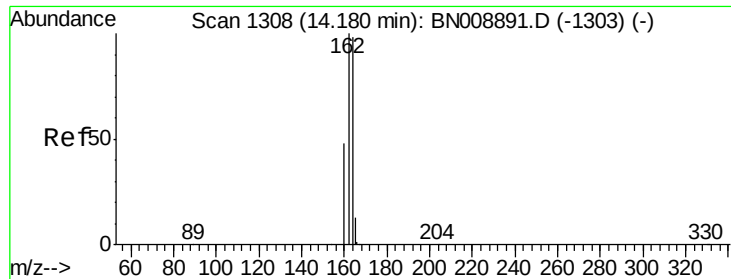
Tot Ion:152 Resp: 9772
 Ion Ratio Lower Upper
 152 100
 151 18.2 15.2 22.8



#12
 2-Methylnaphthalene
 Concen: 0.369 ng
 RT: 11.97 min Scan# 1037
 Delta R.T. -0.02 min
 Lab File: BN009010.D
 Acq: 17 Dec 2019 11:17

Tgt Ion:142 Resp: 11471
 Ion Ratio Lower Upper
 142 100
 141 87.5 69.3 103.9
 115 36.3 27.9 41.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.17 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

Instrument :

BNA_N

ClientSampleId :

PB125417BS

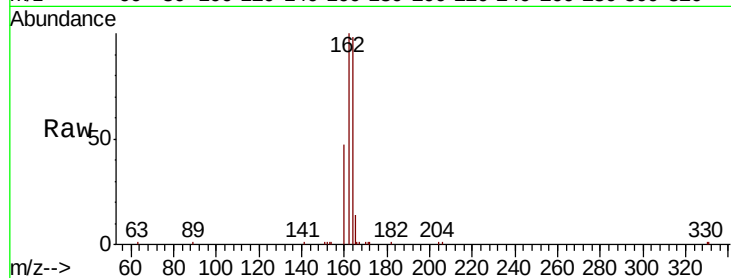
Tot Ion:164 Resp: 10916

Ion Ratio Lower Upper

164 100

162 101.6 81.9 122.9

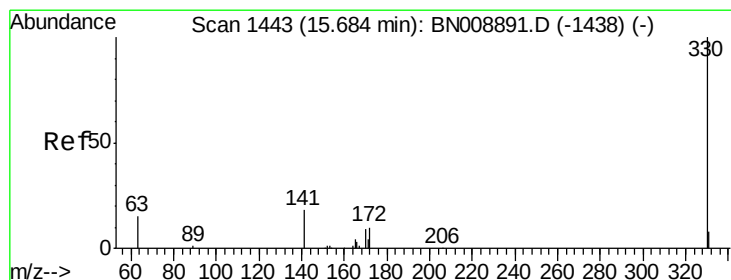
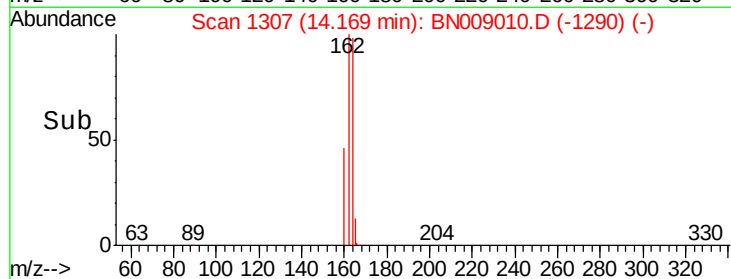
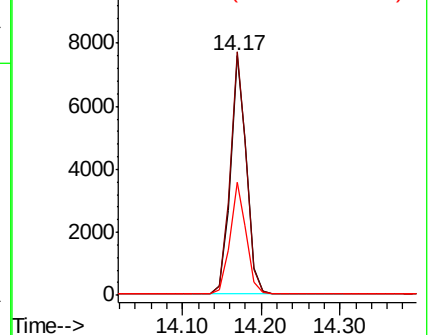
160 47.3 39.3 58.9



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: 0.376 ng

RT: 15.67 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

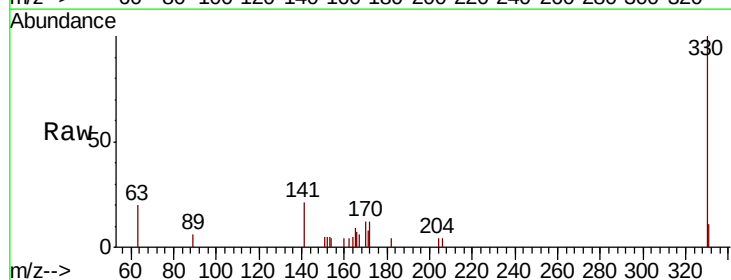
Tgt Ion:330 Resp: 1969

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

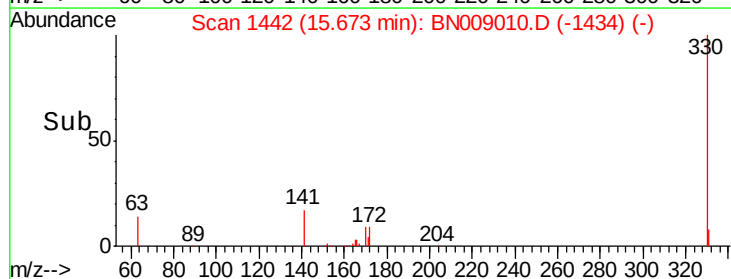
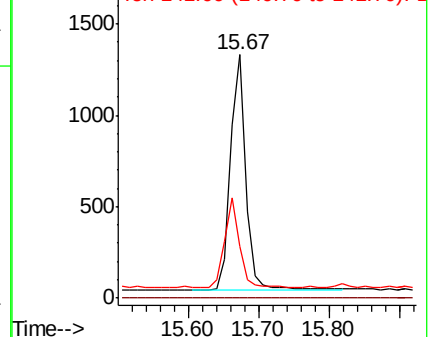
141 38.1 29.6 44.4

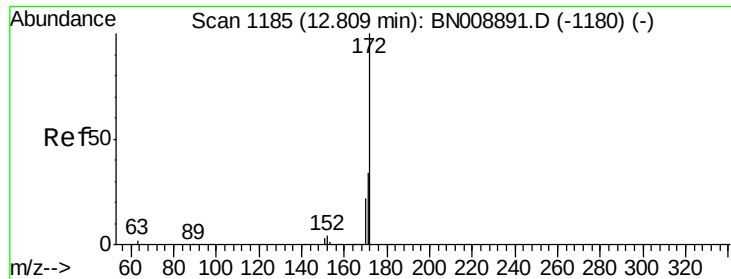


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

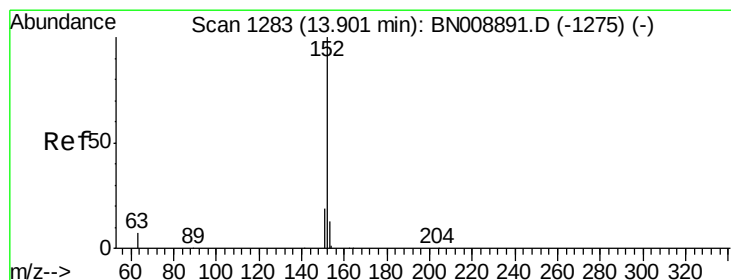
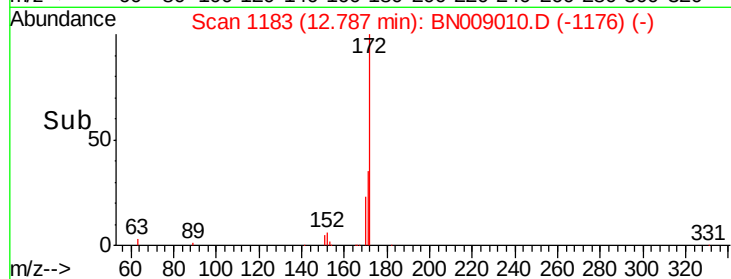
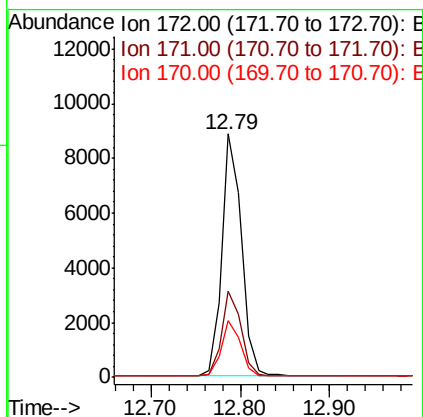
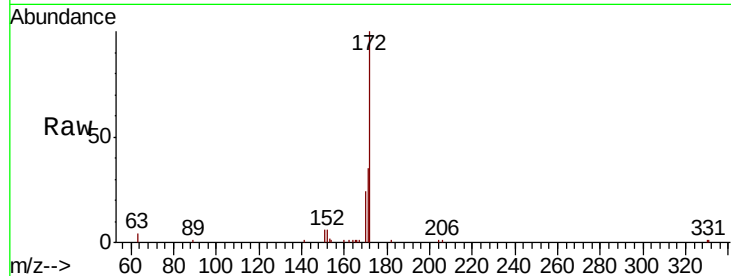




#15
2-Fluorobiphenyl
Concen: 0.328 ng
RT: 12.79 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

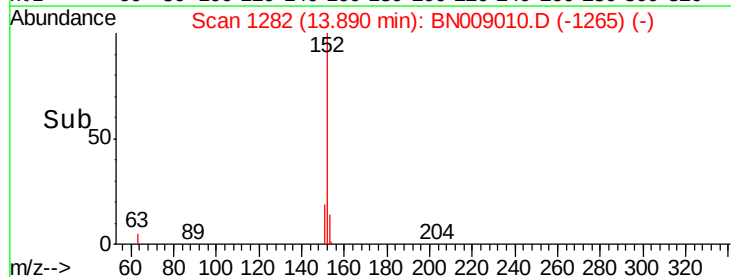
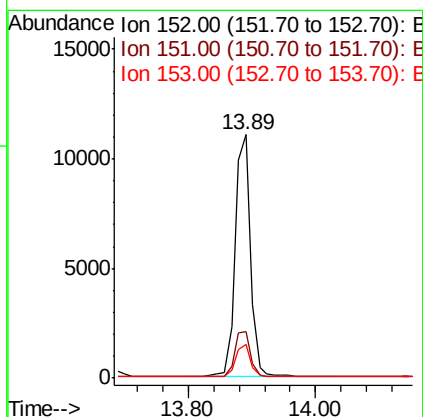
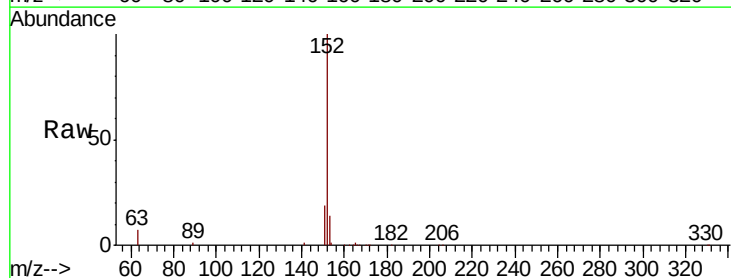
Instrument :
BNA_N
ClientSampleId :
PB125417BS

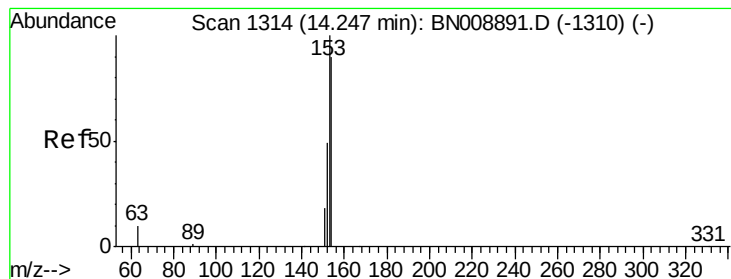
Tot Ion:172 Resp: 13615
Ion Ratio Lower Upper
172 100
171 35.1 27.1 40.7
170 23.5 17.7 26.5



#16
Acenaphthylene
Concen: 0.374 ng
RT: 13.89 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:152 Resp: 18664
Ion Ratio Lower Upper
152 100
151 19.1 15.3 22.9
153 13.1 10.3 15.5





#17

Acenaphthene

Concen: 0.360 ng

RT: 14.24 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

Instrument :

BNA_N

ClientSampleId :

PB125417BS

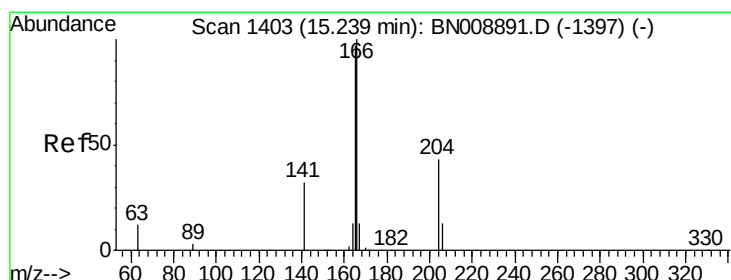
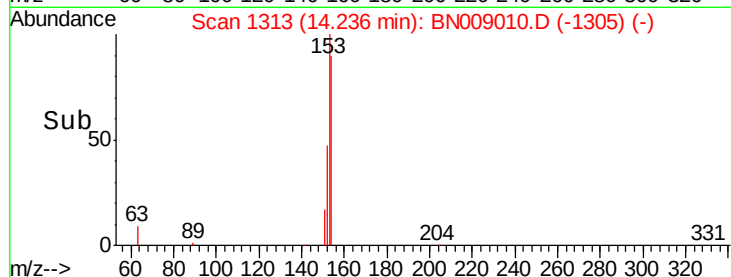
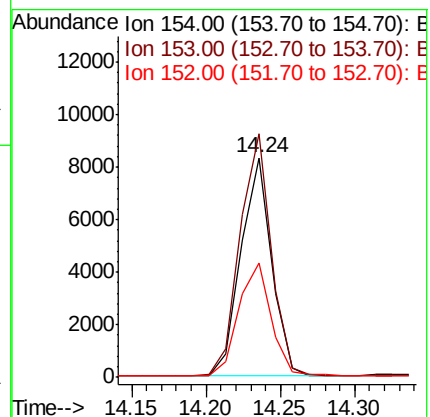
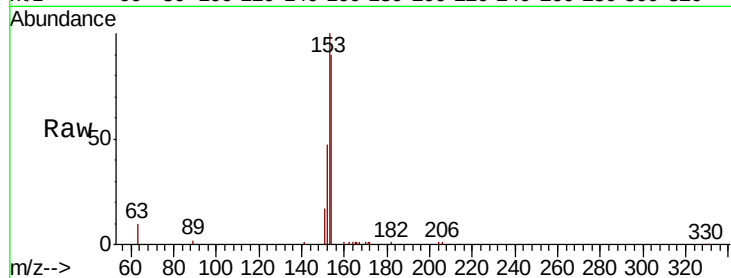
Tot Ion:154 Resp: 11938

Ion Ratio Lower Upper

154 100

153 112.3 89.2 133.8

152 54.7 44.2 66.4



#18

Fluorene

Concen: 0.385 ng

RT: 15.23 min Scan# 1402

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

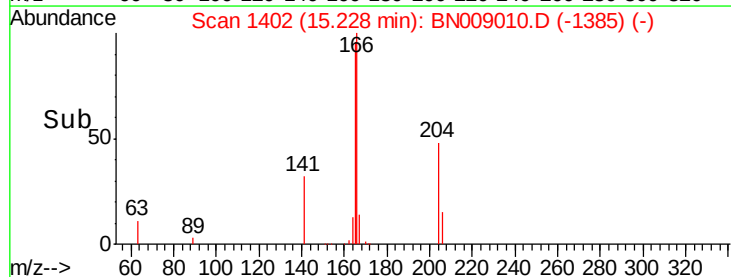
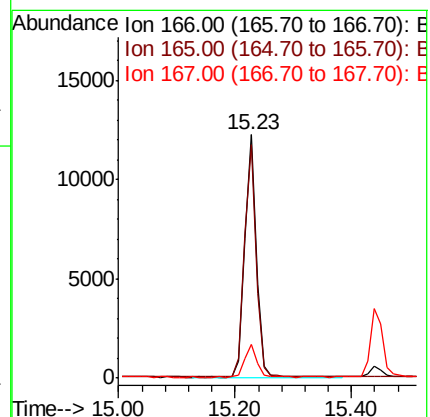
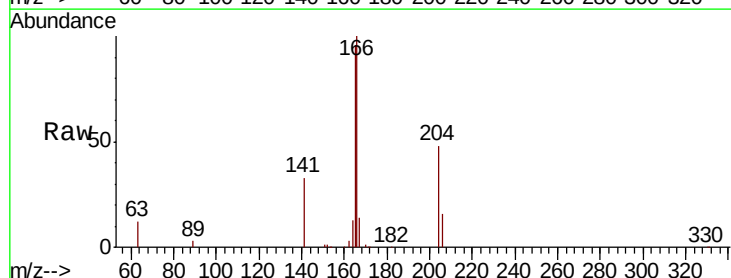
Tgt Ion:166 Resp: 17157

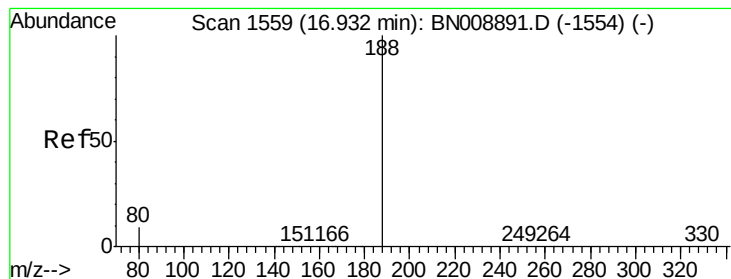
Ion Ratio Lower Upper

166 100

165 96.4 77.3 115.9

167 13.6 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

Instrument :

BNA_N

ClientSampleId :

PB125417BS

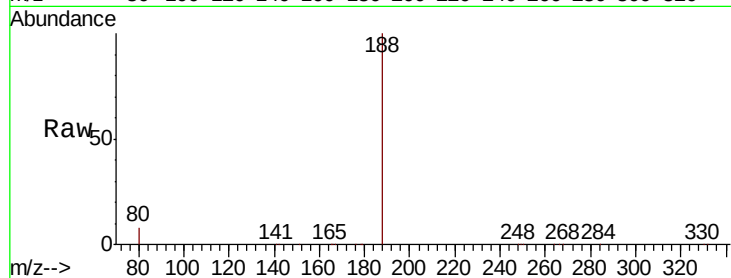
Tot Ion:188 Resp: 28552

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

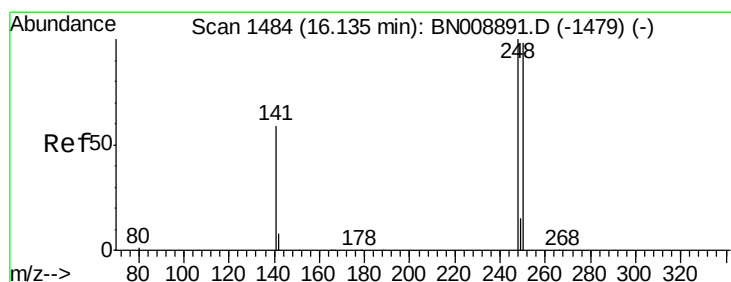
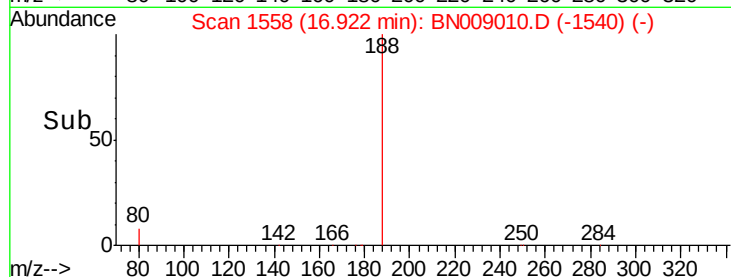
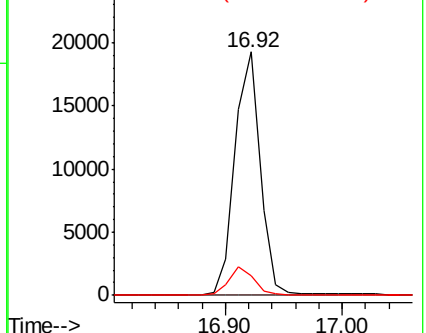
80 8.2 7.3 10.9



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: 0.333 ng

RT: 16.12 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

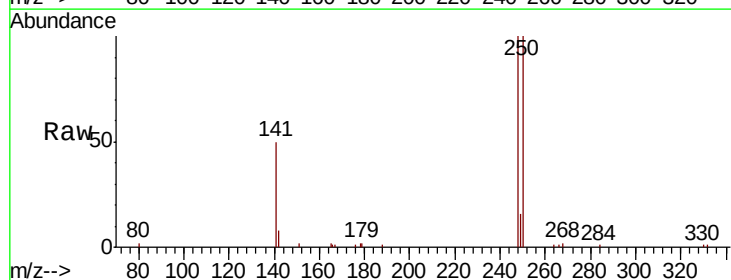
Tgt Ion:248 Resp: 5692

Ion Ratio Lower Upper

248 100

250 100.0 78.7 118.1

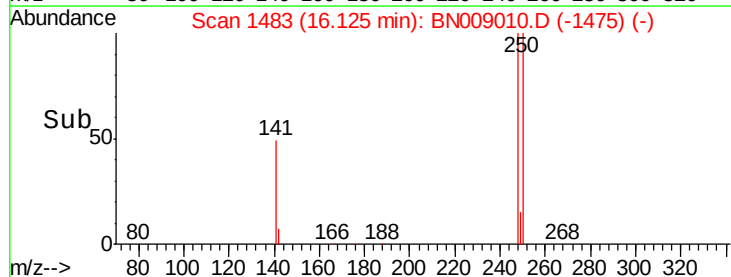
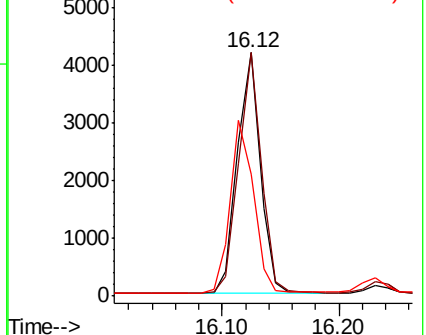
141 50.3 47.9 71.9

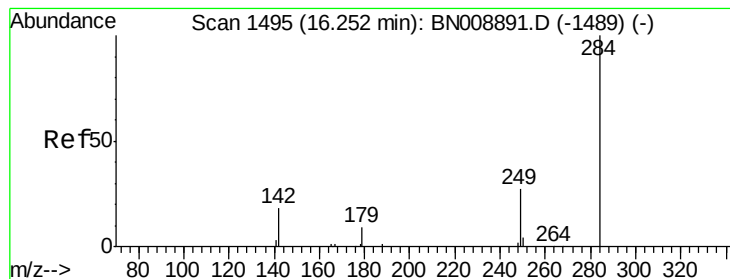


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.325 ng

RT: 16.24 min Scan# 1494

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

Instrument :

BNA_N

ClientSampleId :

PB125417BS

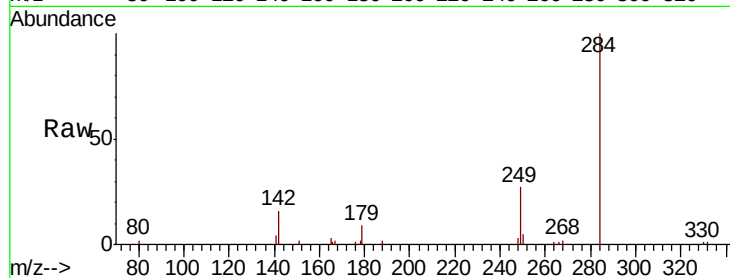
Tot Ion:284 Resp: 6318

Ion Ratio Lower Upper

284 100

142 34.6 27.8 41.6

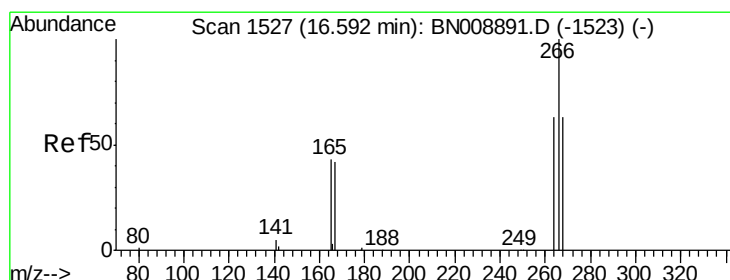
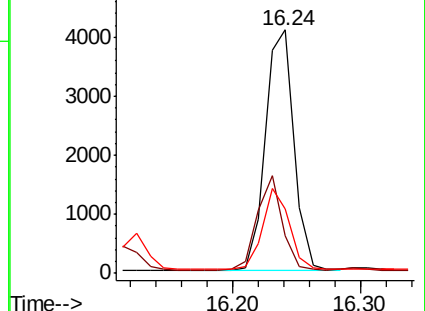
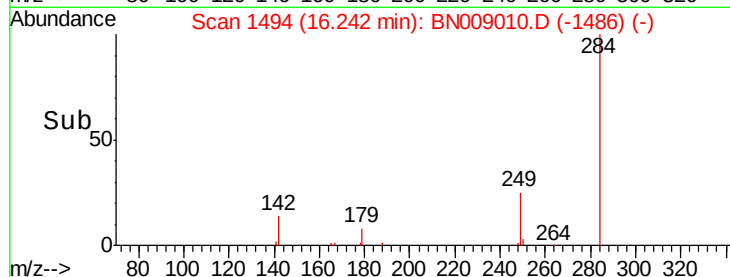
249 31.5 25.3 37.9



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: 0.678 ng

RT: 16.58 min Scan# 1526

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

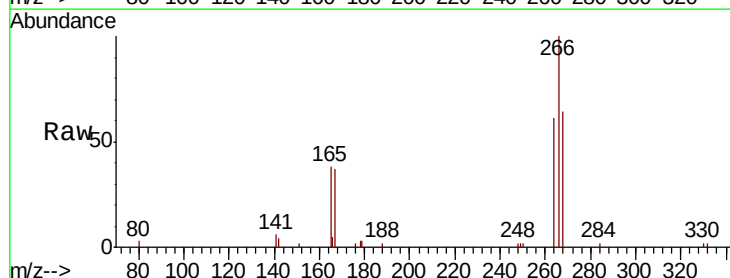
Tgt Ion:266 Resp: 4755

Ion Ratio Lower Upper

266 100

264 60.7 51.5 77.3

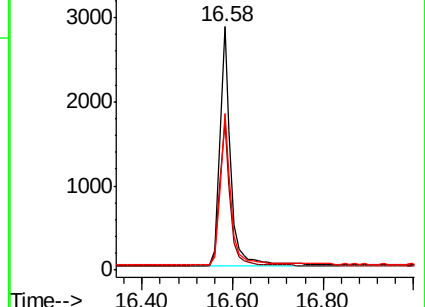
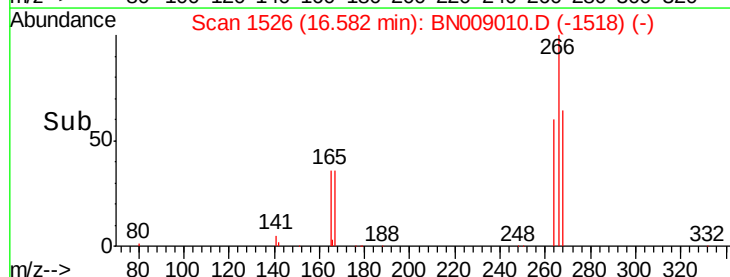
268 64.5 53.1 79.7

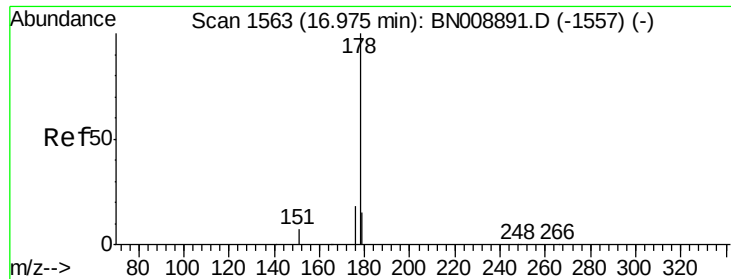


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.348 ng

RT: 16.96 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

Instrument :

BNA_N

ClientSampleId :

PB125417BS

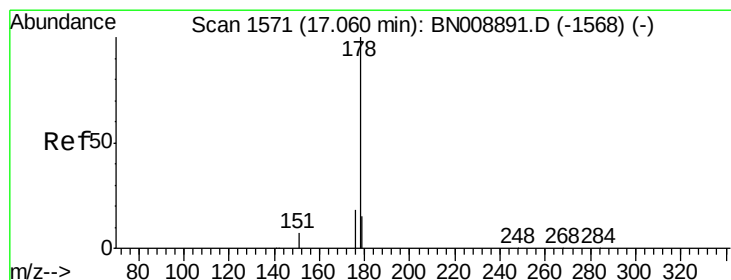
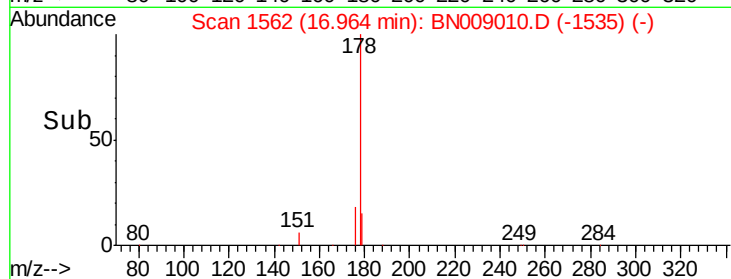
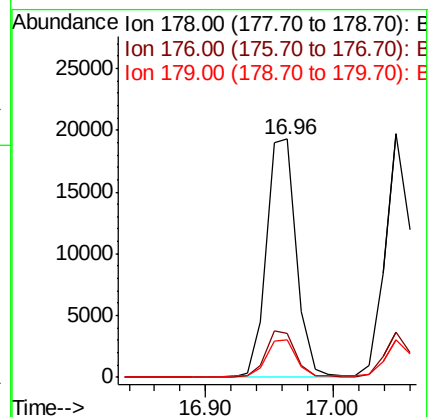
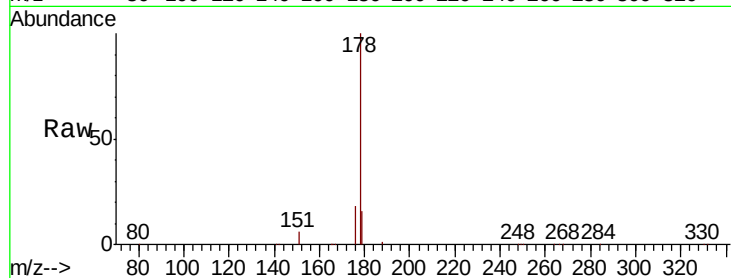
Tot Ion:178 Resp: 31236

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.3 12.3 18.5



#24

Anthracene

Concen: 0.360 ng

RT: 17.05 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

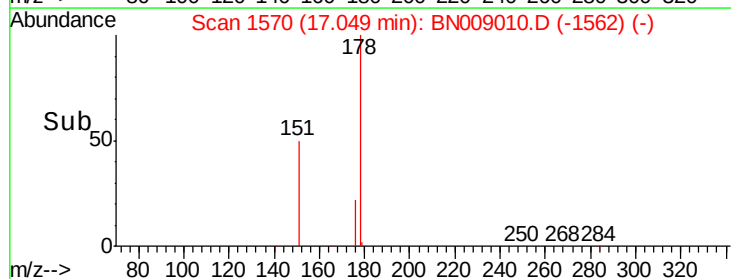
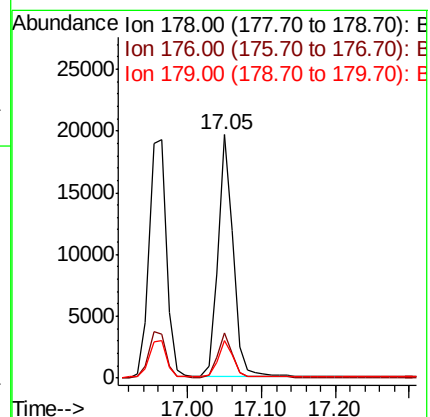
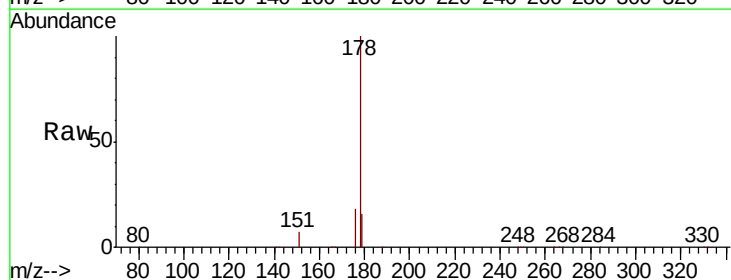
Tgt Ion:178 Resp: 28451

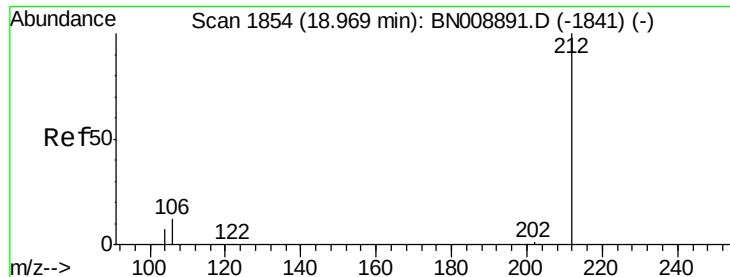
Ion Ratio Lower Upper

178 100

176 17.8 14.4 21.6

179 15.2 12.1 18.1





#25

Fluoranthene-d10

Concen: 0.344 ng

RT: 18.96 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

Instrument :

BNA_N

ClientSampleId :

PB125417BS

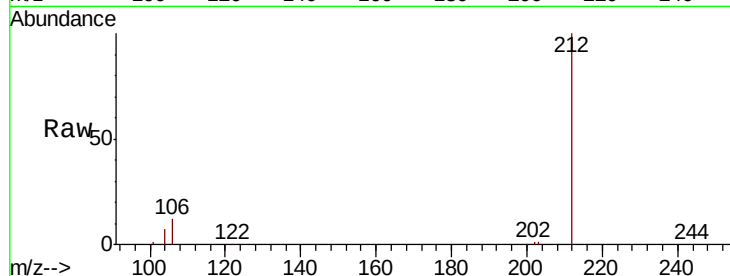
Tot Ion:212 Resp: 29755

Ion Ratio Lower Upper

212 100

106 12.8 10.4 15.6

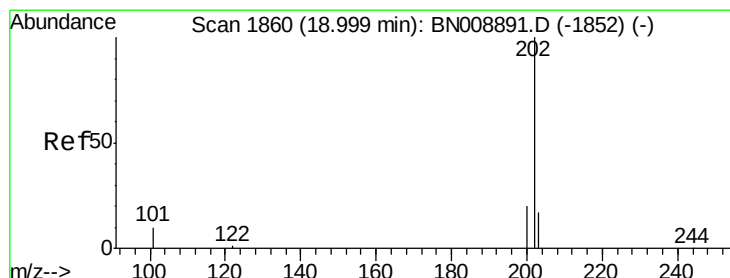
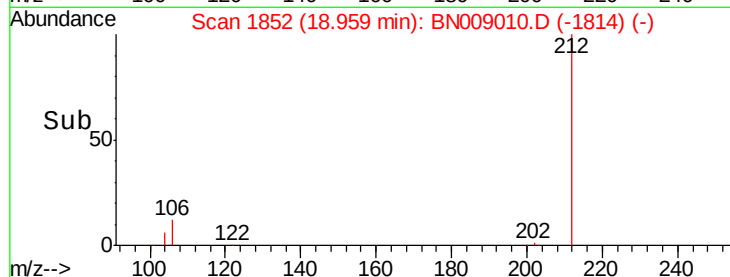
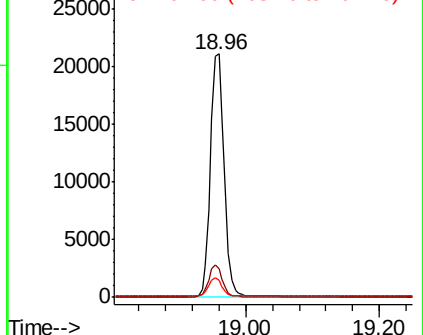
104 7.3 5.9 8.9



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: 0.344 ng

RT: 18.99 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

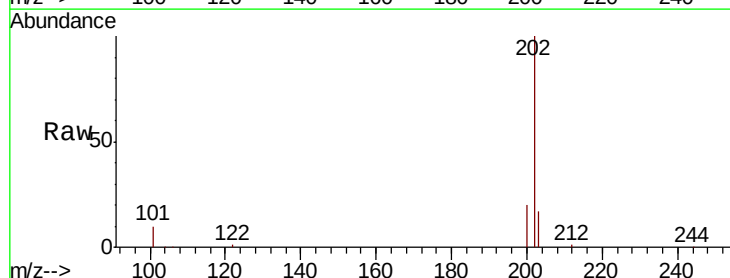
Tgt Ion:202 Resp: 36793

Ion Ratio Lower Upper

202 100

101 10.8 8.8 13.2

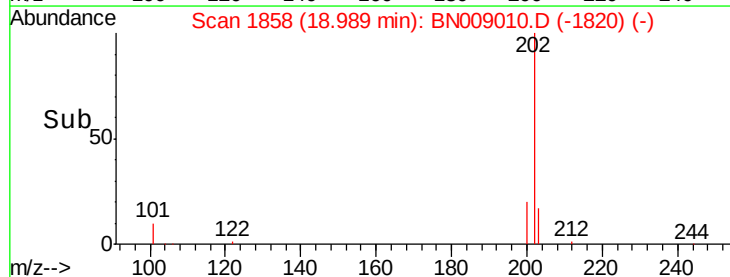
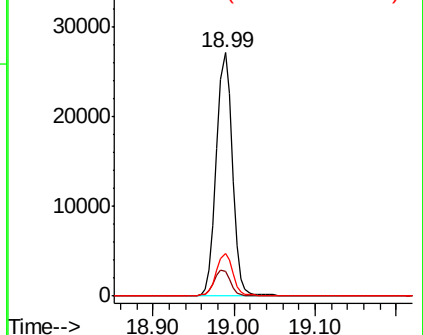
203 17.3 13.8 20.6

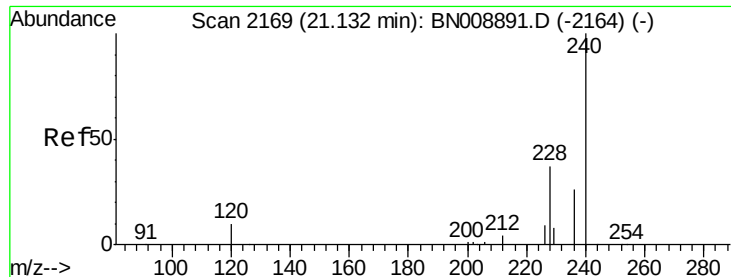


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

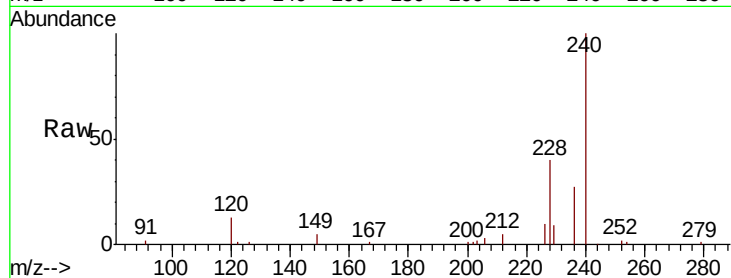




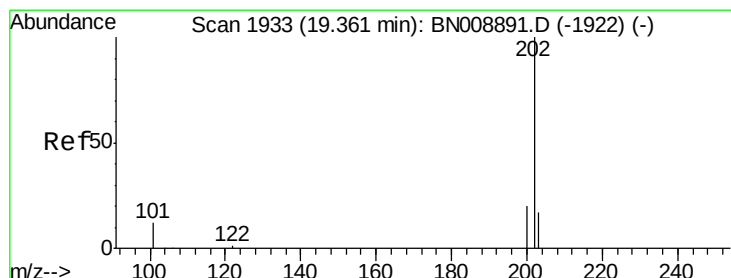
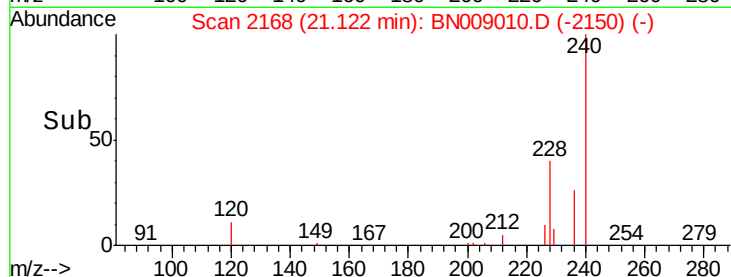
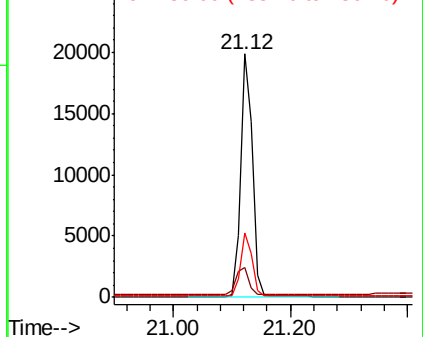
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.12 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tot Ion:240 Resp: 26512
Ion Ratio Lower Upper
240 100
120 12.5 9.1 13.7
236 26.6 21.5 32.3

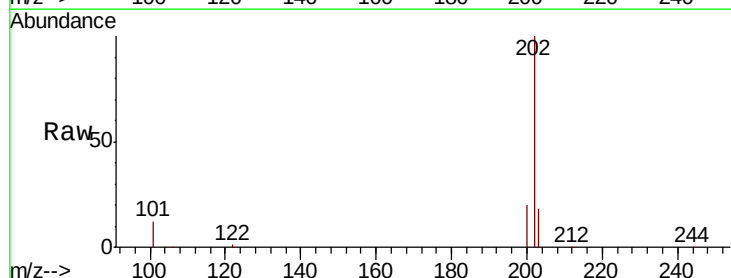


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

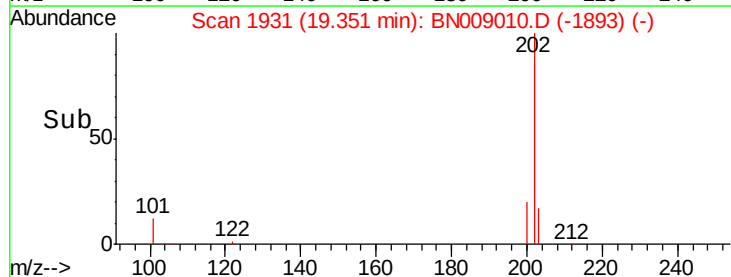
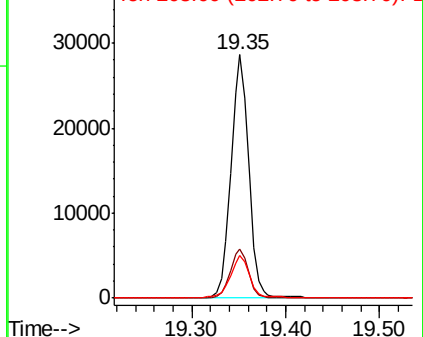


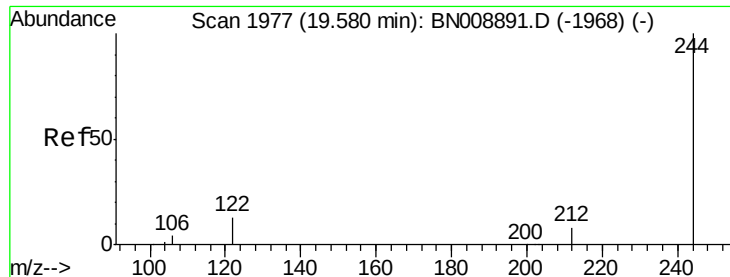
#28
Pyrene
Concen: 0.399 ng
RT: 19.35 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:202 Resp: 37061
Ion Ratio Lower Upper
202 100
200 20.3 16.1 24.1
203 18.1 13.9 20.9



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: 0.361 ng

RT: 19.57 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

Instrument :

BNA_N

ClientSampleId :

PB125417BS

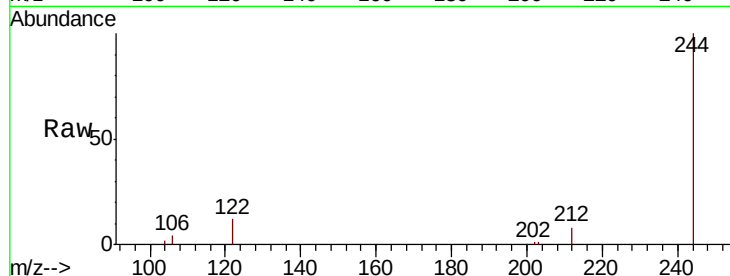
Tot Ion:244 Resp: 21850

Ion Ratio Lower Upper

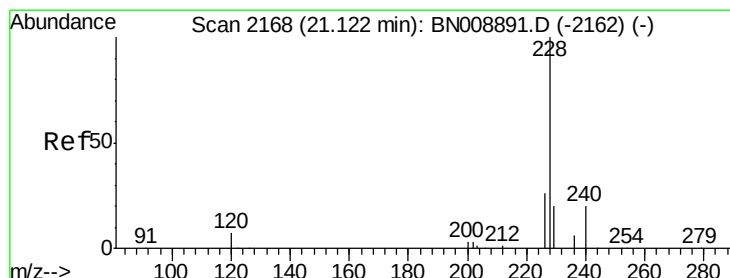
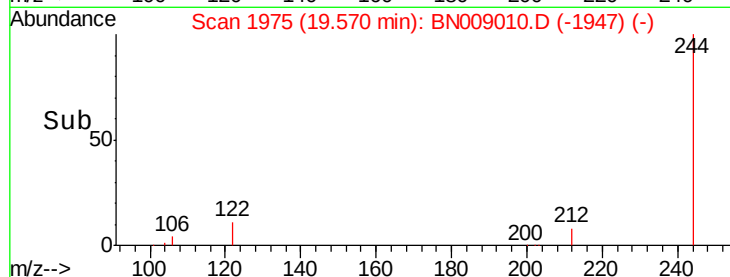
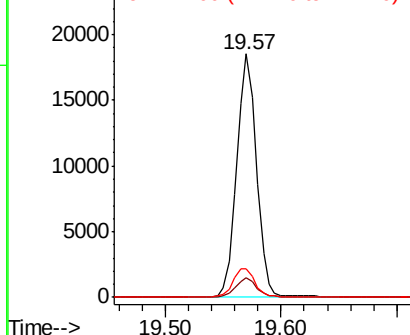
244 100

212 8.1 6.5 9.7

122 11.7 10.4 15.6



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: 0.364 ng

RT: 21.11 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

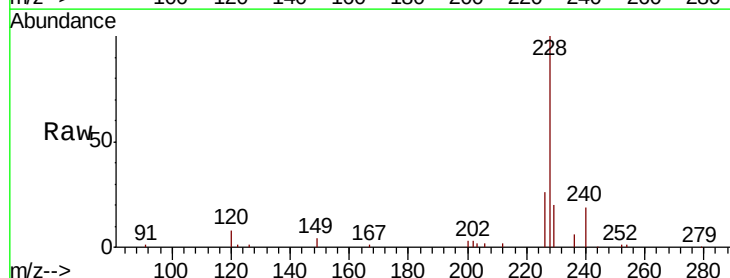
Tgt Ion:228 Resp: 34263

Ion Ratio Lower Upper

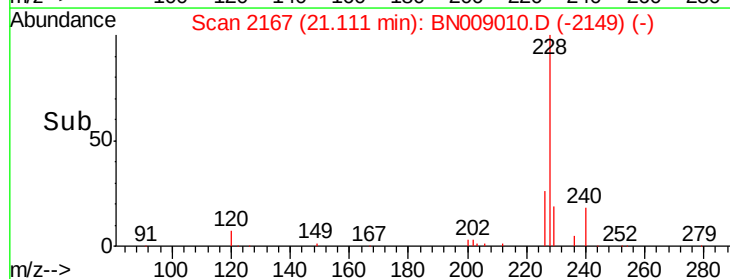
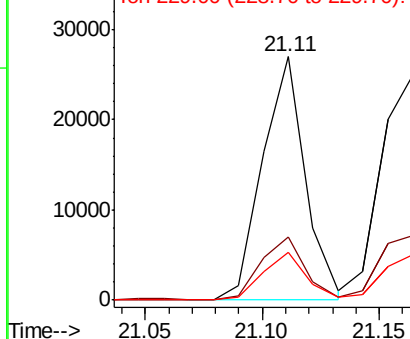
228 100

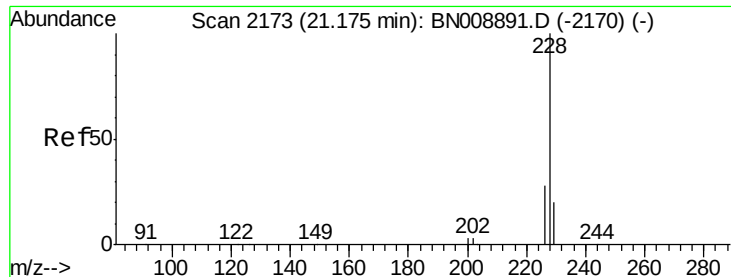
226 26.1 20.6 30.8

229 19.6 15.9 23.9



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: 0.360 ng

RT: 21.16 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

Instrument :

BNA_N

ClientSampleId :

PB125417BS

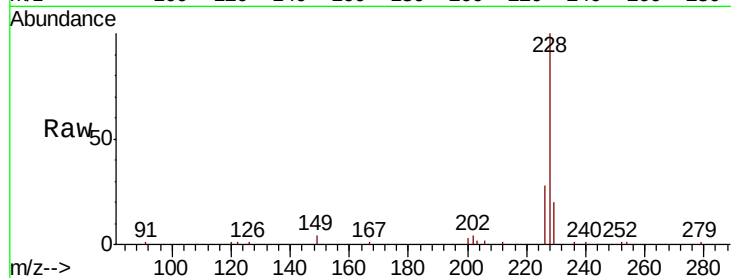
Tot Ion:228 Resp: 35099

Ion Ratio Lower Upper

228 100

226 28.5 22.2 33.4

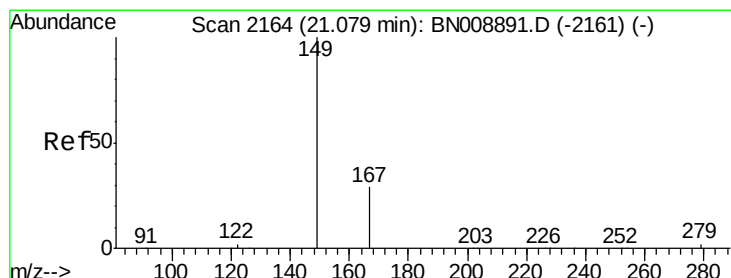
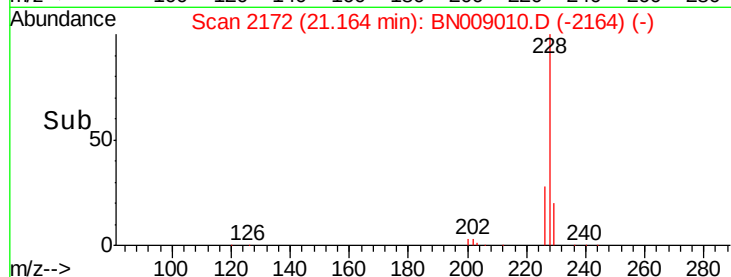
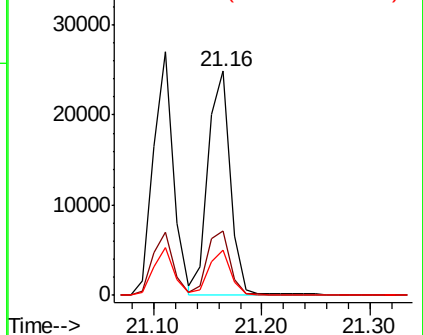
229 20.2 15.9 23.9



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: 0.383 ng

RT: 21.07 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

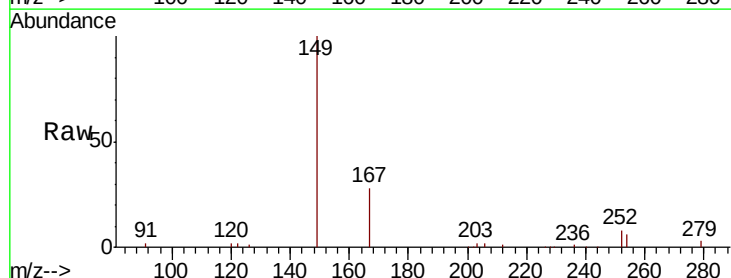
Tgt Ion:149 Resp: 16863

Ion Ratio Lower Upper

149 100

167 28.3 22.7 34.1

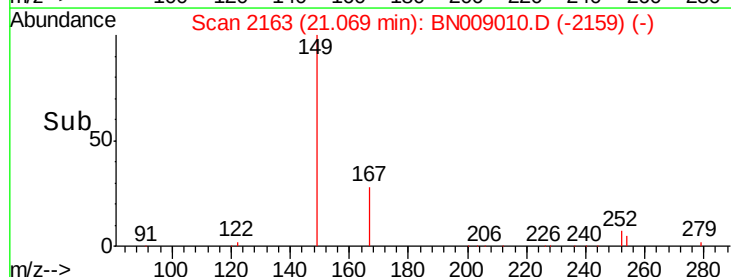
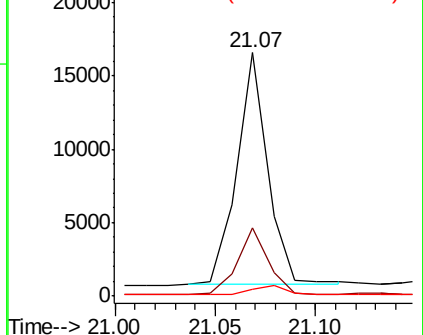
279 4.1 3.3 4.9

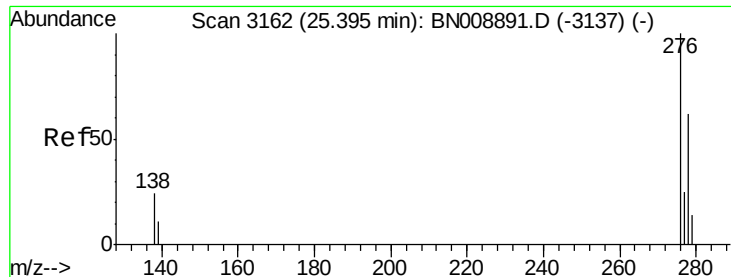


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

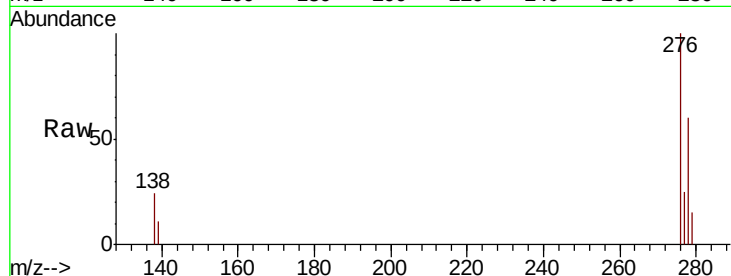




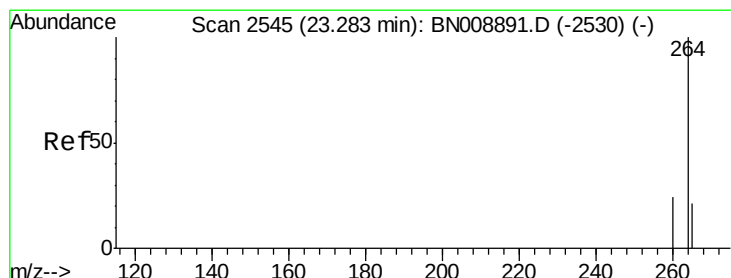
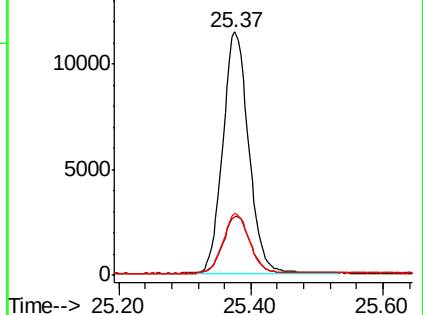
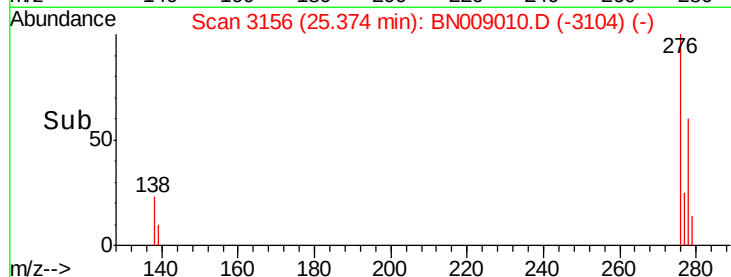
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.305 ng
RT: 25.37 min Scan# 3156
Delta R.T. -0.02 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tot Ion:276 Resp: 31508
Ion Ratio Lower Upper
276 100
138 24.4 19.9 29.9
277 24.8 19.8 29.8

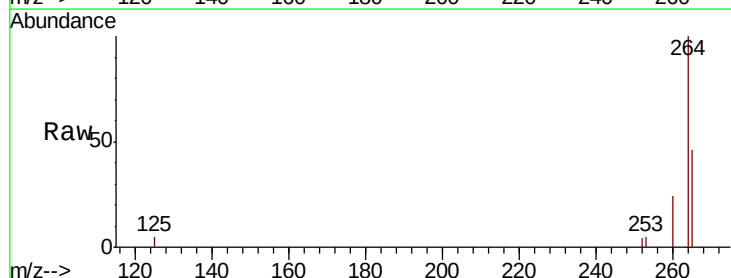


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

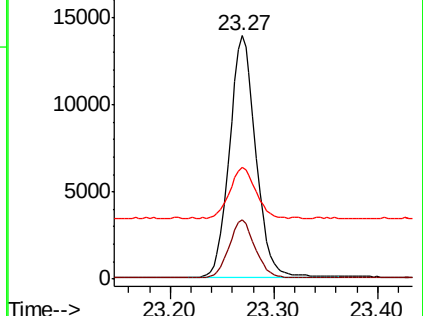
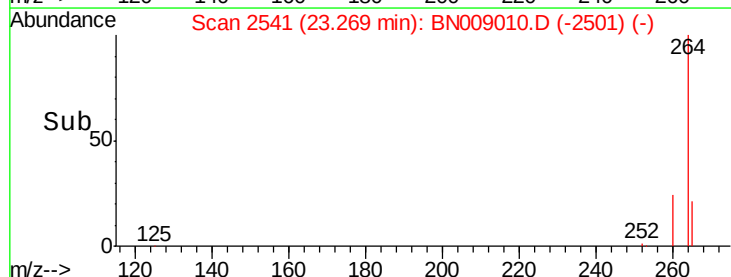


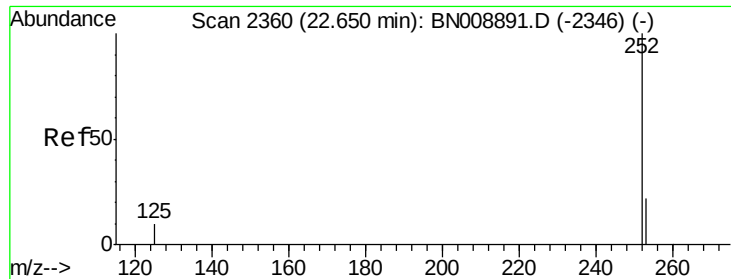
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.27 min Scan# 2541
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:264 Resp: 24355
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.0
265 46.0 47.5 71.3#



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: 0.369 ng

RT: 22.64 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

Instrument :

BNA_N

ClientSampleId :

PB125417BS

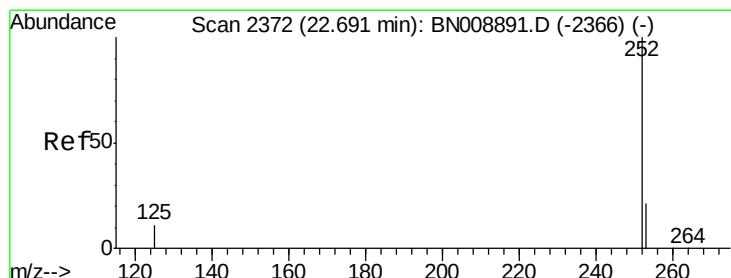
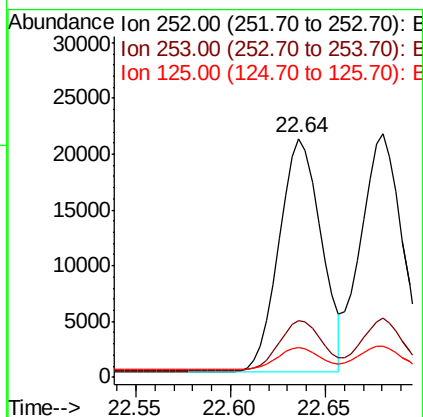
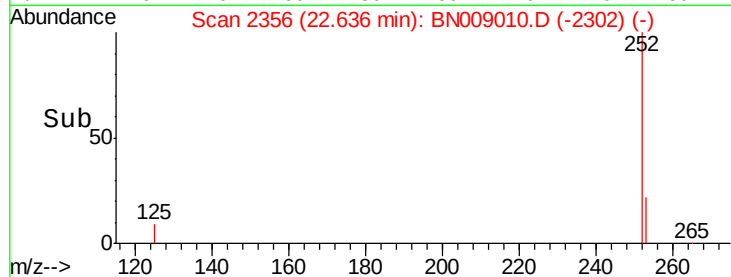
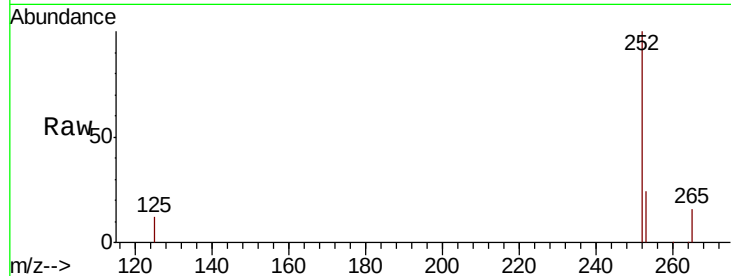
Tot Ion:252 Resp: 32218

Ion Ratio Lower Upper

252 100

253 24.0 19.8 29.6

125 12.4 10.8 16.2



#36

Benzo(k)fluoranthene

Concen: 0.379 ng

RT: 22.68 min Scan# 2369

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

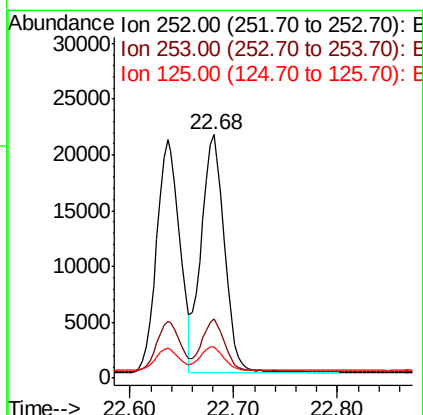
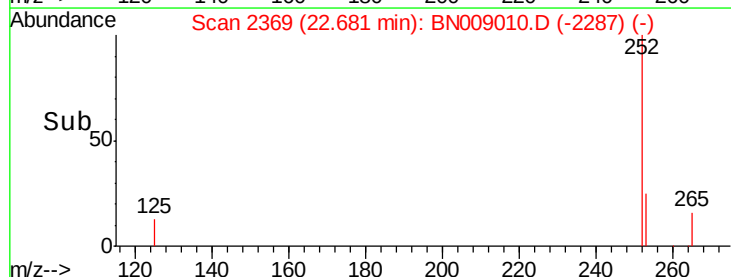
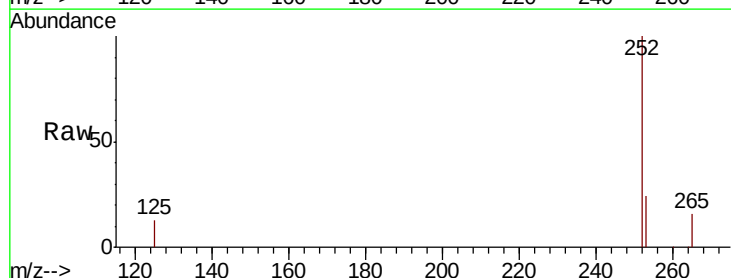
Tgt Ion:252 Resp: 33277

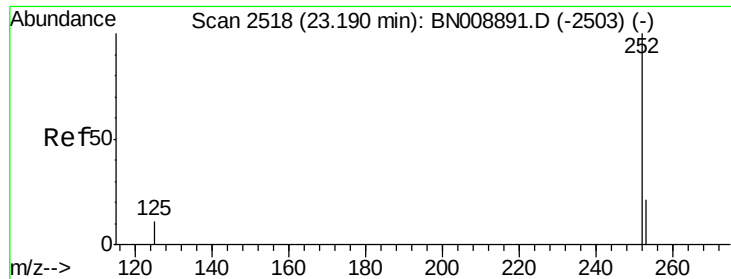
Ion Ratio Lower Upper

252 100

253 24.4 19.2 28.8

125 12.9 11.6 17.4





#37

Benzo(a)pyrene

Concen: 0.374 ng

RT: 23.18 min Scan# 2515

Delta R.T. -0.01 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

Instrument :

BNA_N

ClientSampleId :

PB125417BS

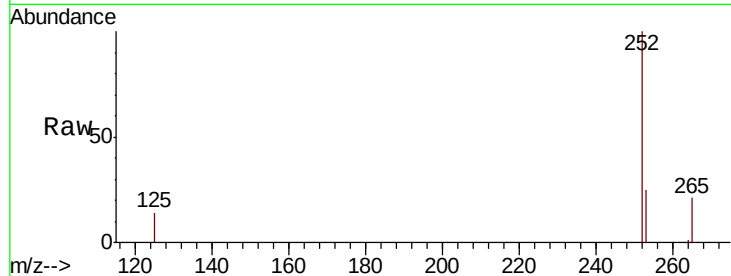
Tot Ion:252 Resp: 29319

Ion Ratio Lower Upper

252 100

253 24.7 19.9 29.9

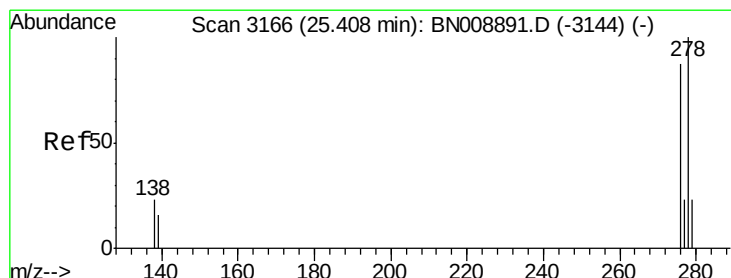
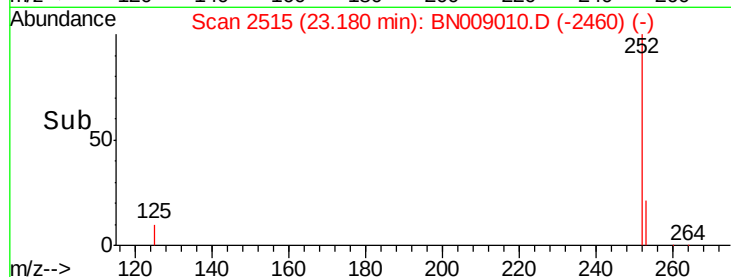
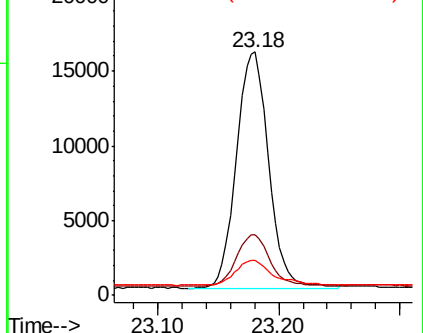
125 14.3 12.3 18.5



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: 0.350 ng

RT: 25.39 min Scan# 3160

Delta R.T. -0.02 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

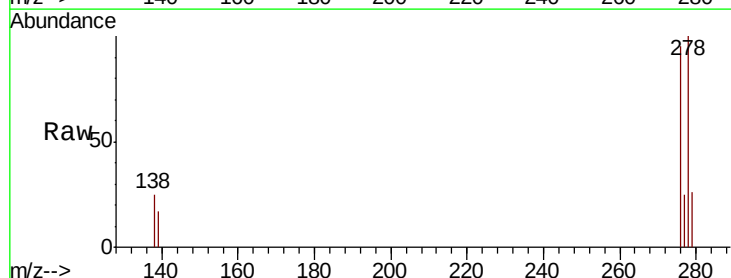
Tgt Ion:278 Resp: 25705

Ion Ratio Lower Upper

278 100

139 17.2 13.9 20.9

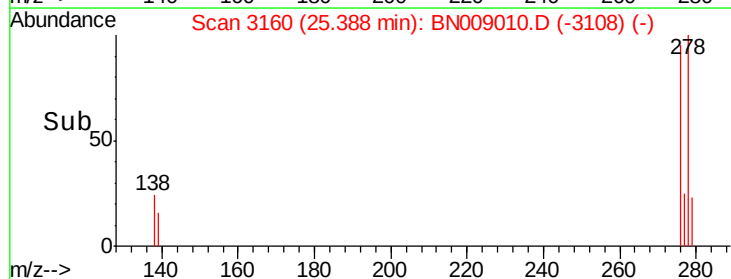
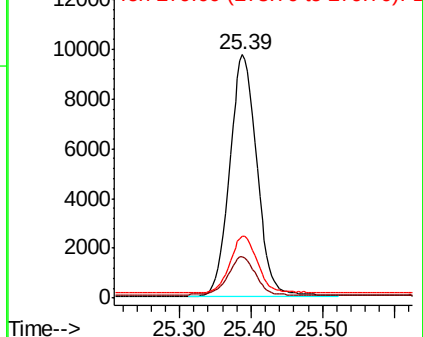
279 25.6 20.2 30.4

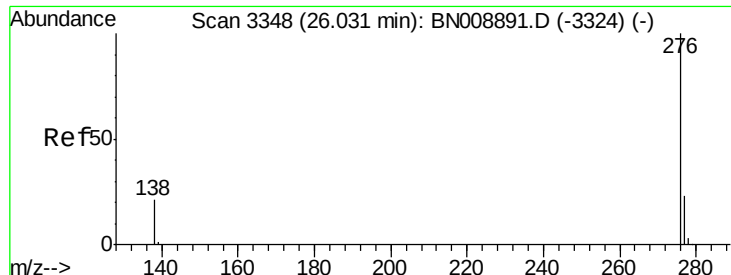


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.371 ng

RT: 26.01 min Scan# 3343

Delta R.T. -0.02 min

Lab File: BN009010.D

Acq: 17 Dec 2019 11:17

Instrument :

BNA_N

ClientSampleId :

PB125417BS

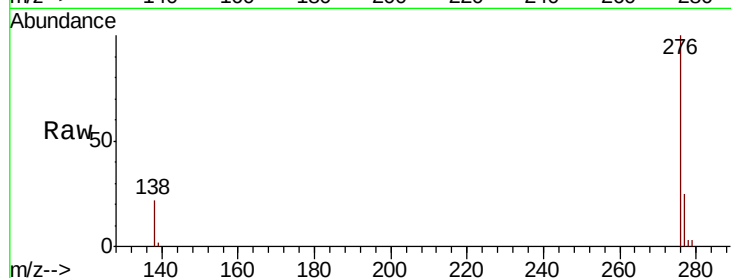
Tot Ion:276 Resp: 26890

Ion Ratio Lower Upper

276 100

277 24.7 19.4 29.2

138 22.0 17.8 26.6



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

