

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121819\
 Data File : BN009023.D
 Acq On : 18 Dec 2019 20:04
 Operator : JU
 Sample : K6239-03MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BE-216-COMP-SMSD

Quant Time: Dec 19 00:59:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 19 00:50:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	4354	0.40	ng	0.00
7) Naphthalene-d8	10.29	136	17838	0.40	ng	0.00
13) Acenaphthene-d10	14.17	164	15648	0.40	ng	0.00
19) Phenanthrene-d10	16.92	188	23446	0.40	ng	0.01
27) Chrysene-d12	21.13	240	17095	0.40	ng	0.01
34) Perylene-d12	23.28	264	16003	0.40	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	3391	0.31	ng	0.00
5) Phenol-d6	6.74	99	5000	0.33	ng	0.00
8) Nitrobenzene-d5	8.67	82	4451	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	11.89	152	10784	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.66	330	1896	0.25	ng	0.00
15) 2-Fluorobiphenyl	12.79	172	11145	0.19	ng	0.00
25) Fluoranthene-d10	18.96	212	18863	0.27	ng	0.01
29) Terphenyl-d14	19.57	244	11727	0.30	ng	0.01

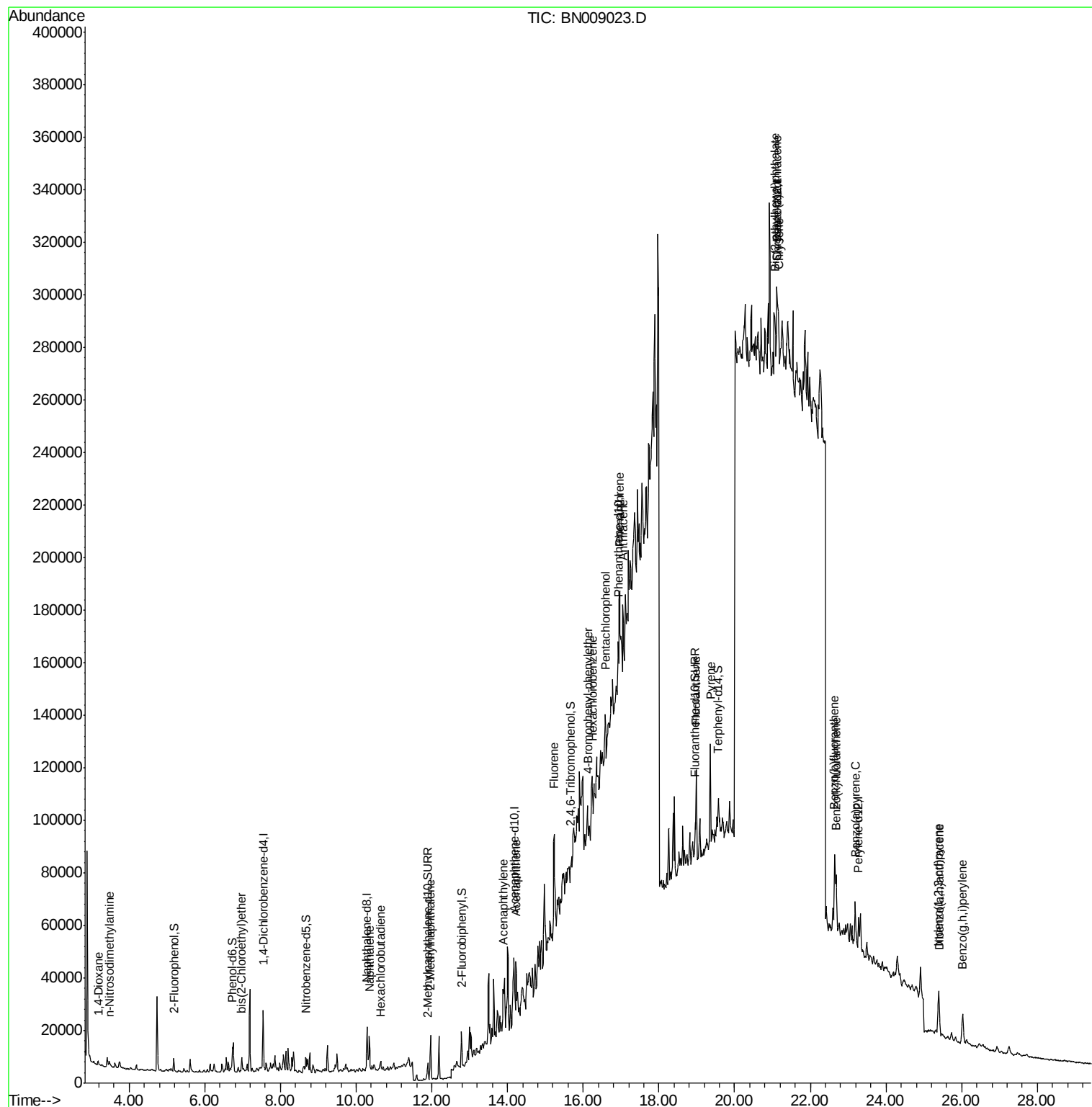
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.18	88	941	0.230	ng	# 71
3) n-Nitrosodimethylamine	3.48	42	1526	0.271	ng	# 89
6) bis(2-Chloroethyl)ether	6.98	93	3959	0.274	ng	# 98
9) Naphthalene	10.34	128	16520	0.340	ng	# 99
10) Hexachlorobutadiene	10.65	225	2627	0.282	ng	# 100
12) 2-Methylnaphthalene	11.97	142	12133	0.335	ng	# 98
16) Acenaphthylene	13.88	152	29007	0.405	ng	# 62
17) Acenaphthene	14.22	154	10481	0.221	ng	# 83
18) Fluorene	15.23	166	15714	0.246	ng	# 87
20) 4-Bromophenyl-phenylether	16.12	248	5266	0.375	ng	# 1
21) Hexachlorobenzene	16.24	284	3929	0.246	ng	# 1
22) Pentachlorophenol	16.58	266	4901	0.850	ng	# 85
23) Phenanthrene	16.96	178	39736	0.538	ng	# 41
24) Anthracene	17.05	178	21915	0.337	ng	# 94
26) Fluoranthene	18.99	202	31253	0.356	ng	# 81
28) Pyrene	19.36	202	39939	0.667	ng	# 90
30) Benzo(a)anthracene	21.11	228	31703	0.523	ng	# 12
31) Chrysene	21.16	228	28562	0.455	ng	# 19
32) Bis(2-ethylhexyl)phthalate	21.07	149	17555	0.619	ng	# 49
33) Indeno(1,2,3-cd)pyrene	25.39	276	20874	0.314	ng	# 95
35) Benzo(b)fluoranthene	22.64	252	22614	0.395	ng	# 1
36) Benzo(k)fluoranthene	22.68	252	17066	0.296	ng	# 1
37) Benzo(a)pyrene	23.19	252	20628	0.401	ng	# 1
38) Dibenzo(a,h)anthracene	25.41	278	13708	0.284	ng	# 1
39) Benzo(g,h,i)perylene	26.03	276	21408	0.449	ng	# 49

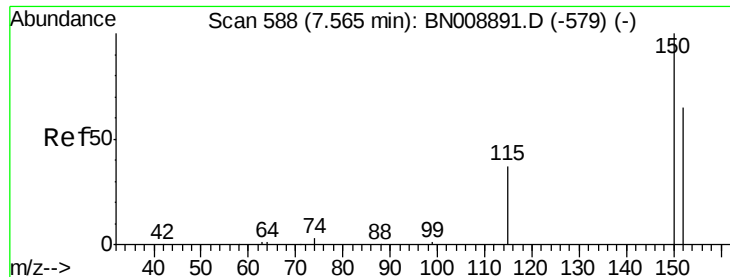
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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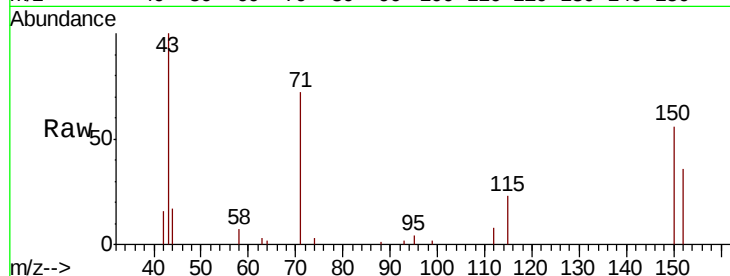


#1

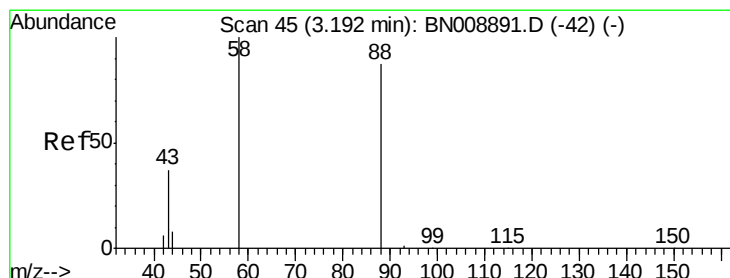
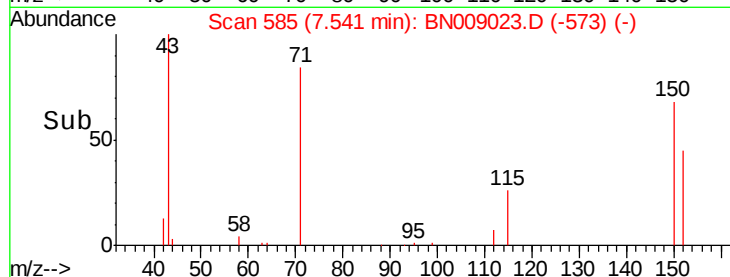
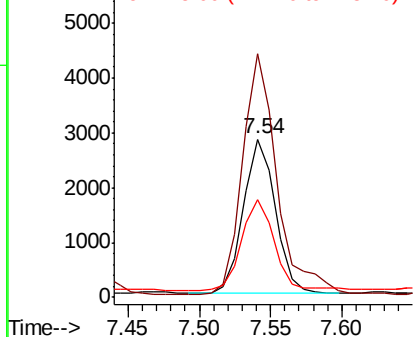
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. 0.00 min
Lab File: BN009023.D
Acq: 18 Dec 2019 20:04

Instrument :
BNA_N
ClientSampleId :
BE-216-COMP-SMSD

Tot Ion:152 Resp: 4354
Ion Ratio Lower Upper
152 100
150 154.0 122.3 183.5
115 61.9 48.4 72.6



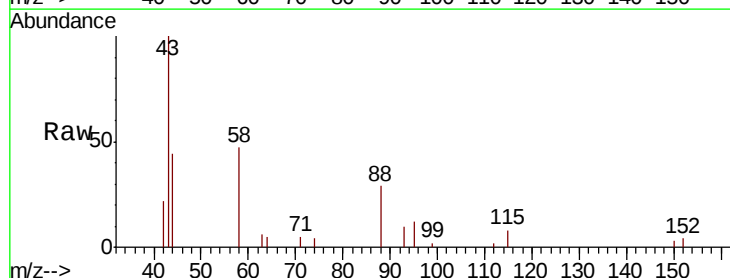
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



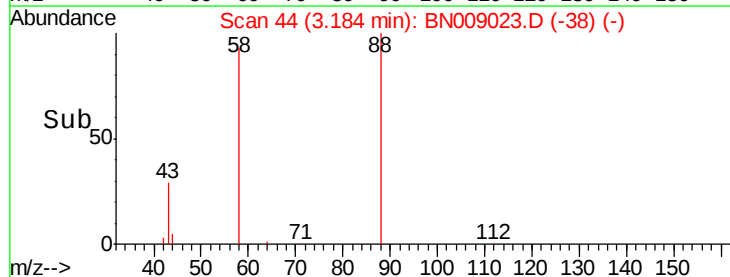
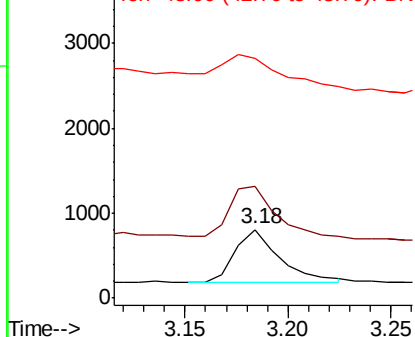
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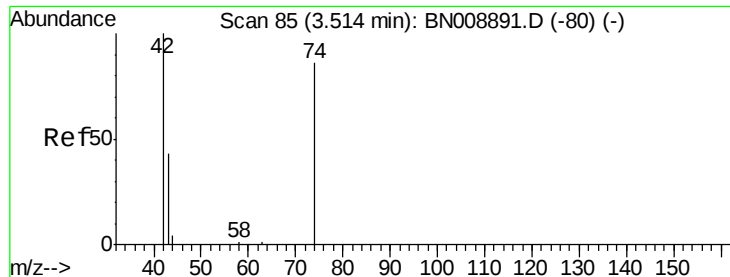
1,4-Dioxane
Concen: 0.230 ng
RT: 3.18 min Scan# 44
Delta R.T. 0.00 min
Lab File: BN009023.D
Acq: 18 Dec 2019 20:04

Tgt Ion: 88 Resp: 941
Ion Ratio Lower Upper
88 100
58 93.6 88.6 132.8
43 78.7 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



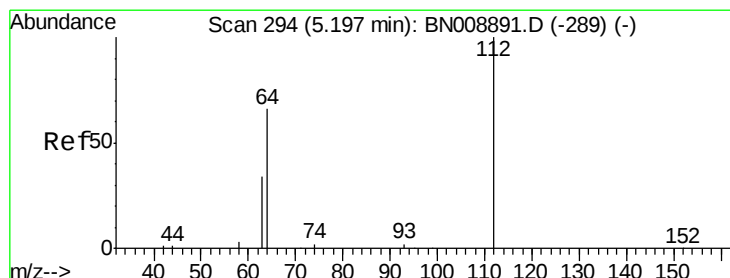
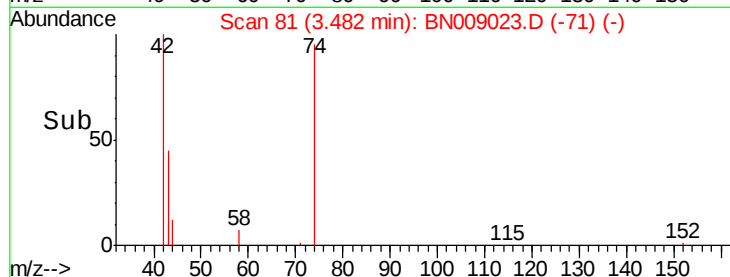
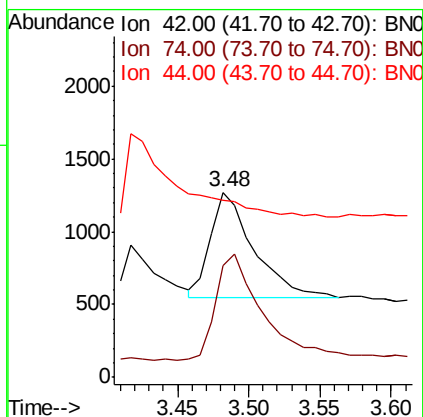
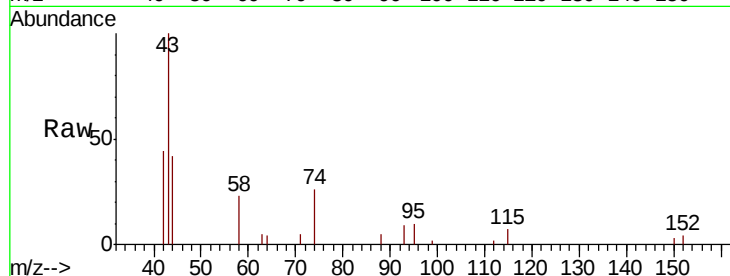


#3

n-Nitrosodimethylamine
 Concen: 0.271 ng
 RT: 3.48 min Scan# 81
 Delta R.T. -0.02 min
 Lab File: BN009023.D
 Acq: 18 Dec 2019 20:04

Instrument :
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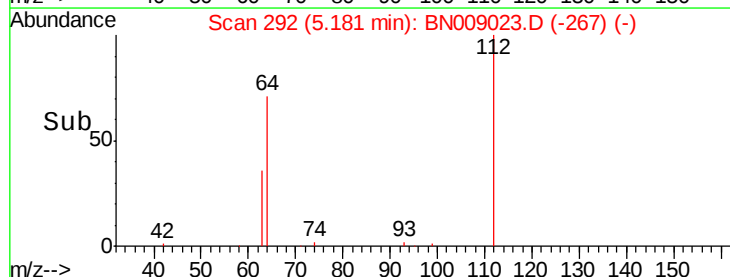
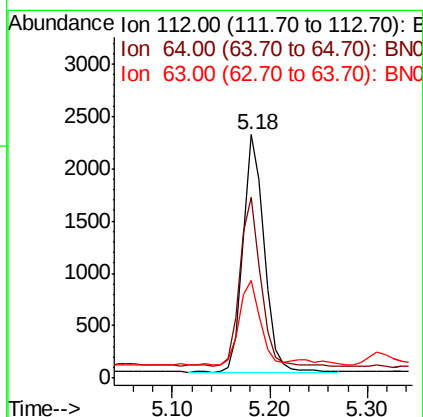
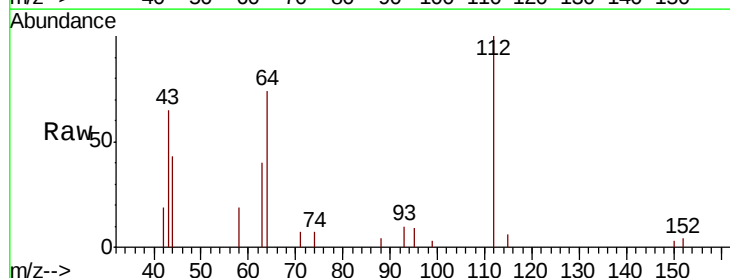
Tot Ion: 42 Resp: 1526
 Ion Ratio Lower Upper
 42 100
 74 108.7 78.6 117.8
 44 0.0 0.0 0.0

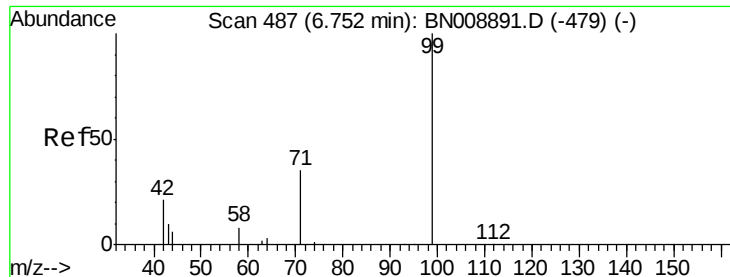


#4

2-Fluorophenol
 Concen: 0.306 ng
 RT: 5.18 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: BN009023.D
 Acq: 18 Dec 2019 20:04

Tgt Ion: 112 Resp: 3391
 Ion Ratio Lower Upper
 112 100
 64 72.2 57.7 86.5
 63 35.9 29.6 44.4





#5

Phenol-d6

Concen: 0.327 ng

RT: 6.74 min Scan# 485

Delta R.T. 0.01 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMSD

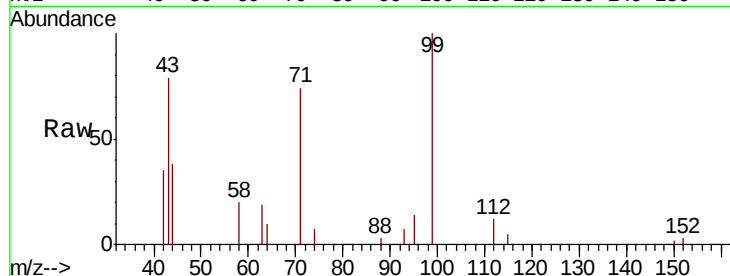
Tot Ion: 99 Resp: 5000

Ion Ratio Lower Upper

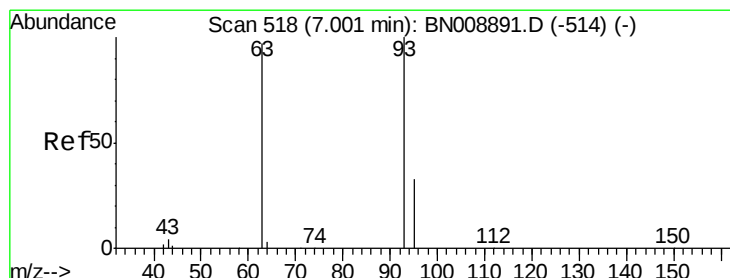
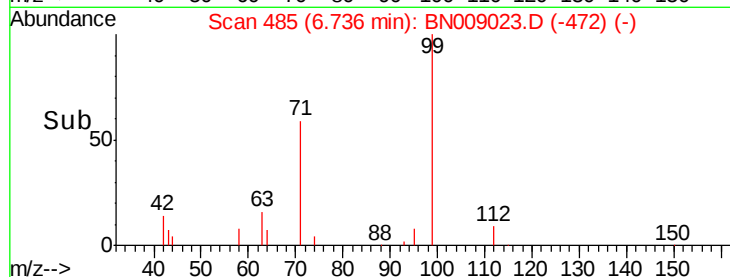
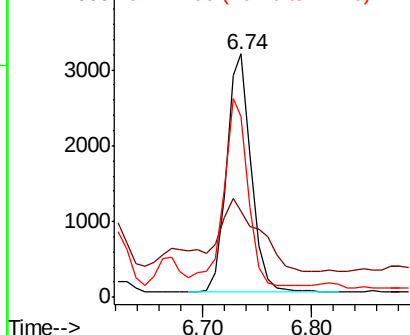
99 100

42 46.5 20.1 30.1#

71 77.9 28.2 42.2#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.274 ng

RT: 6.98 min Scan# 515

Delta R.T. -0.01 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

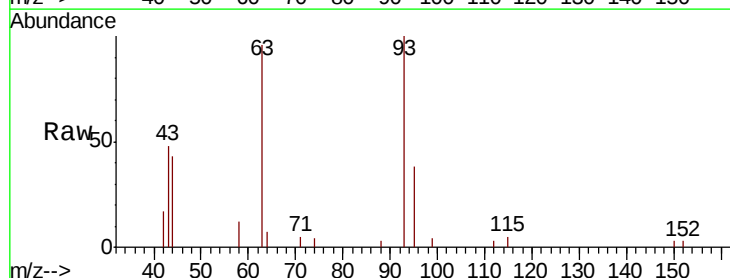
Tgt Ion: 93 Resp: 3959

Ion Ratio Lower Upper

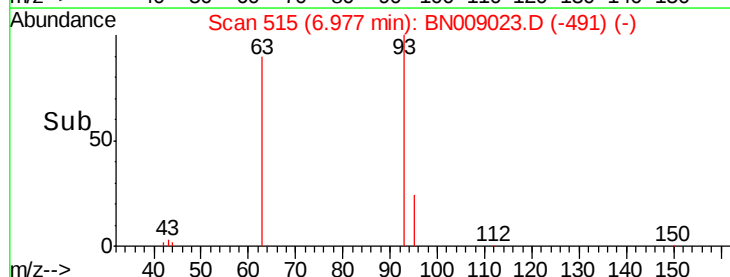
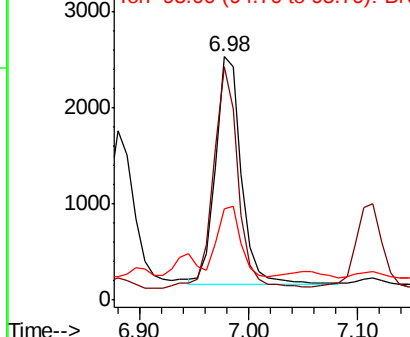
93 100

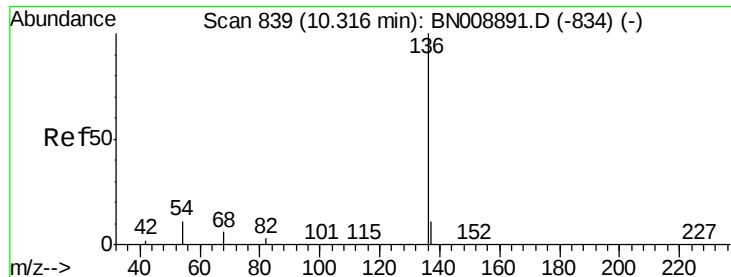
63 91.6 73.5 110.3

95 28.8 26.0 39.0



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. 0.00 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMSD

Tot Ion:136 Resp: 17838

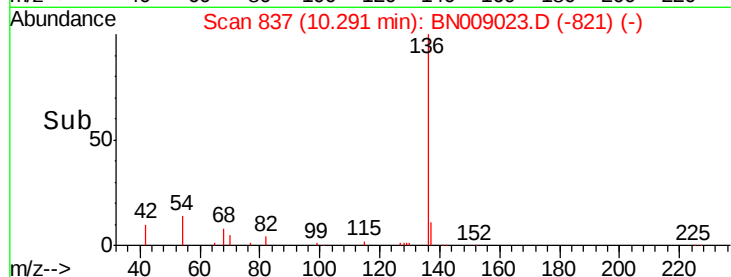
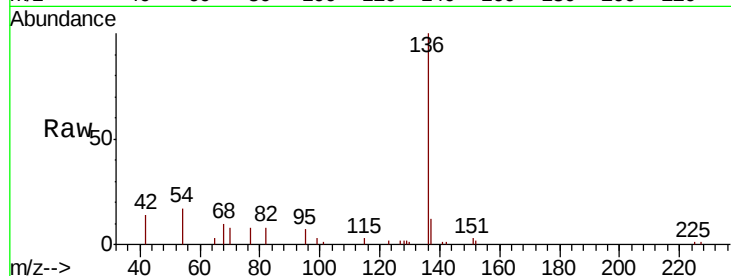
Ion Ratio Lower Upper

136 100

137 12.4 9.2 13.8

54 16.5 9.6 14.4#

68 10.4 5.6 8.4#



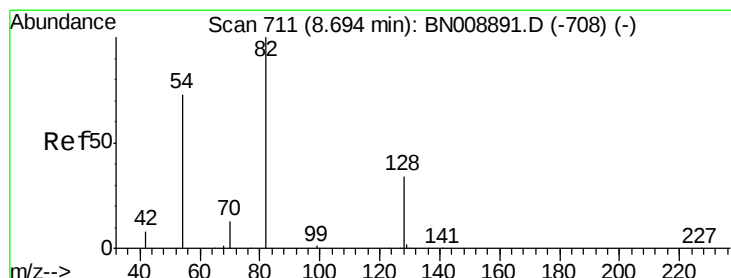
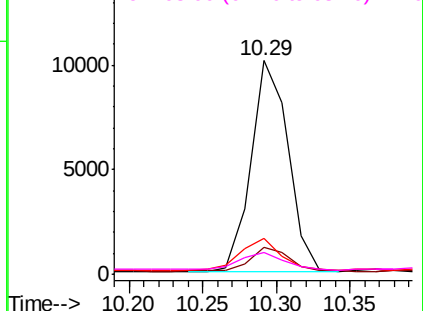
Abundance

Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.294 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.00 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

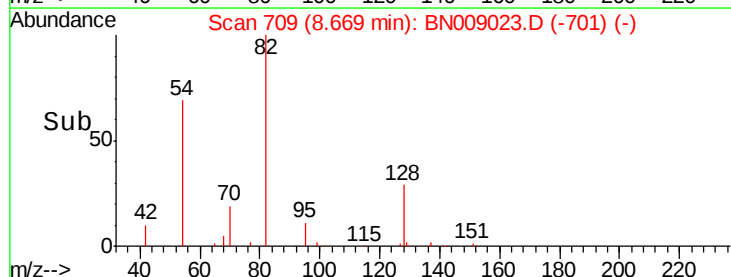
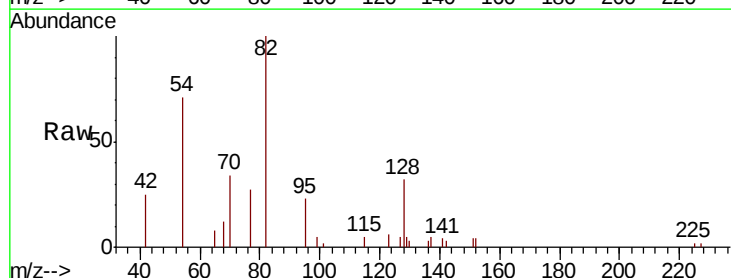
Tgt Ion: 82 Resp: 4451

Ion Ratio Lower Upper

82 100

128 31.6 29.1 43.7

54 71.5 59.7 89.5

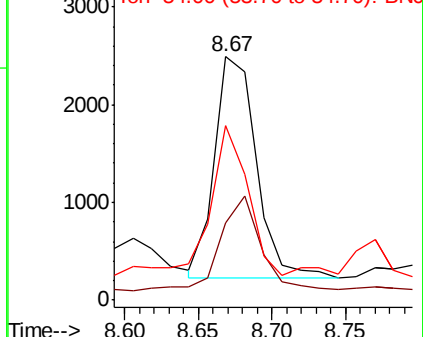


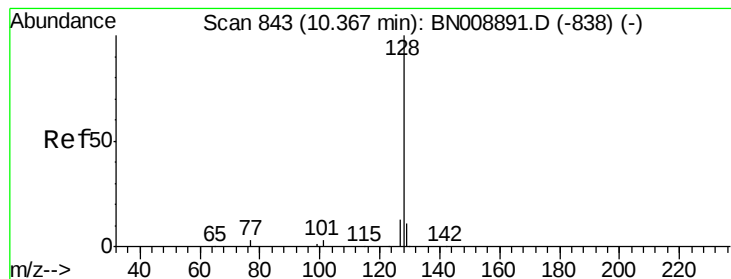
Abundance

Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): BNC

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.340 ng

RT: 10.34 min Scan# 841

Delta R.T. 0.00 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMSD

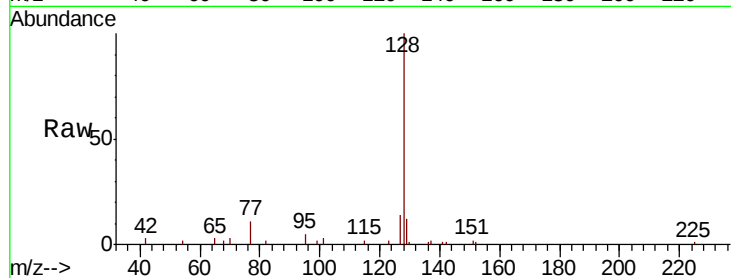
Tot Ion:128 Resp: 16520

Ion Ratio Lower Upper

128 100

129 11.9 9.4 14.0

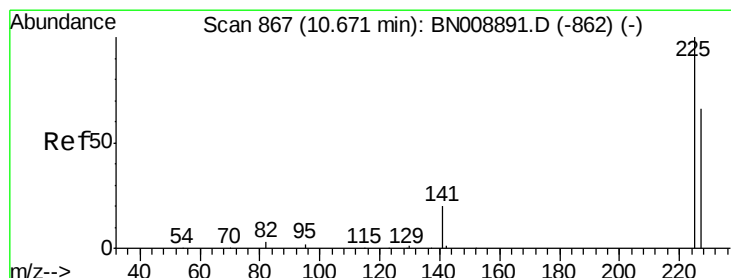
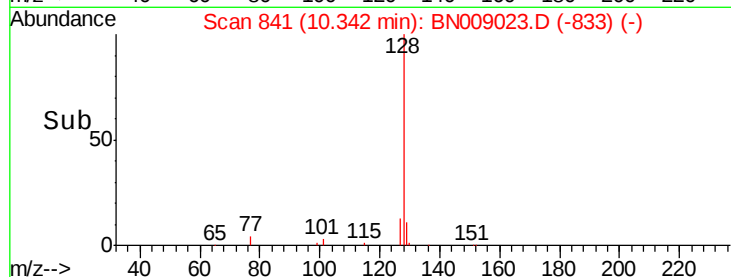
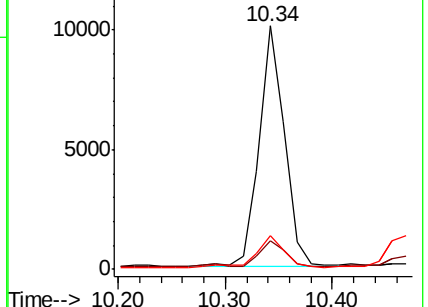
127 13.8 10.8 16.2



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: 0.282 ng

RT: 10.65 min Scan# 865

Delta R.T. 0.00 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

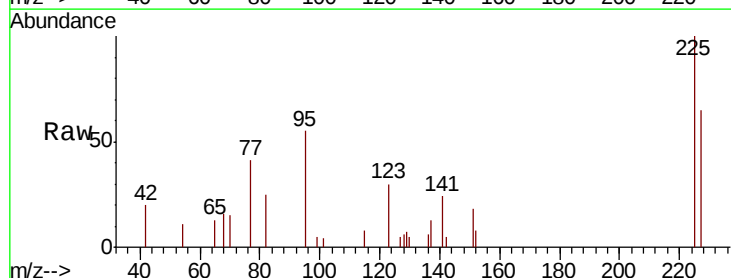
Tgt Ion:225 Resp: 2627

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

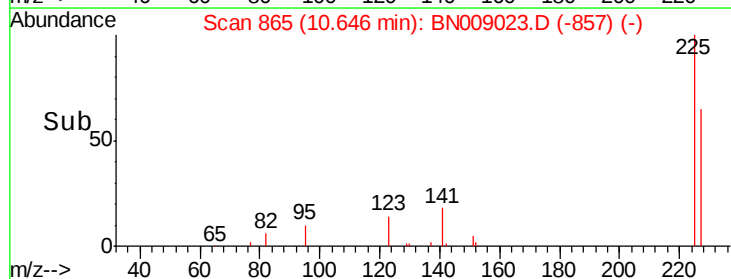
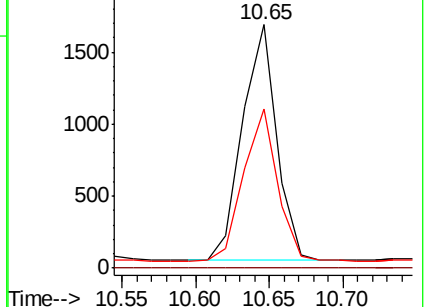
227 63.9 51.4 77.2

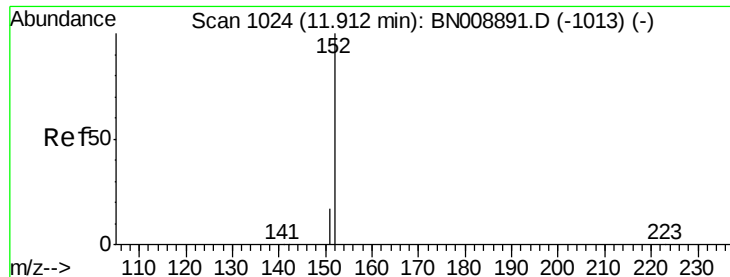


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

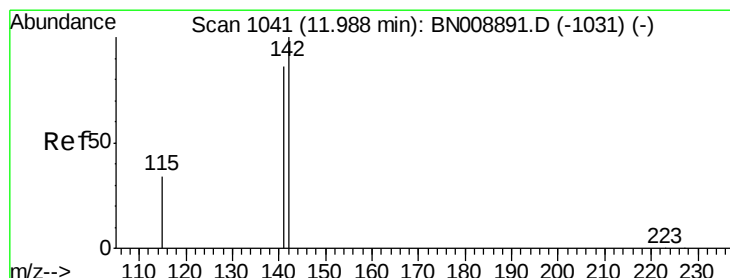
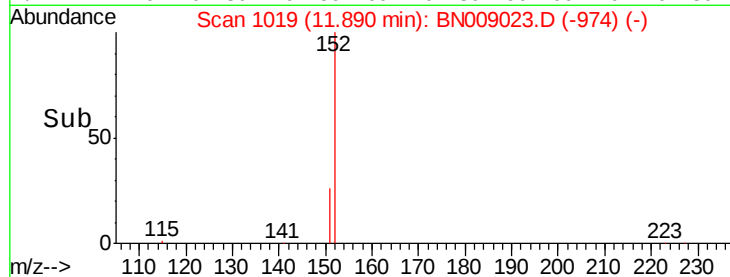
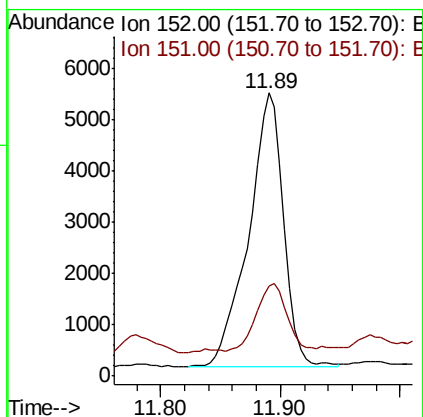
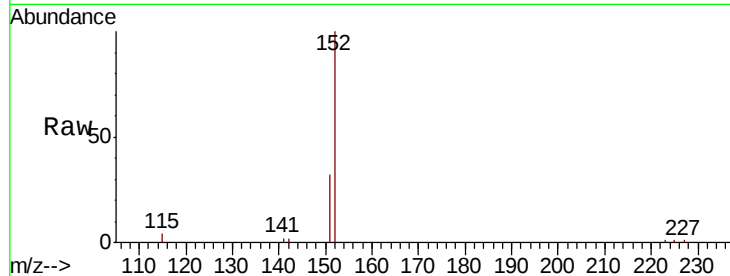




#11
 2-Methylnaphthalene-d10
 Concen: 0.354 ng
 RT: 11.89 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: BN009023.D
 Acq: 18 Dec 2019 20:04

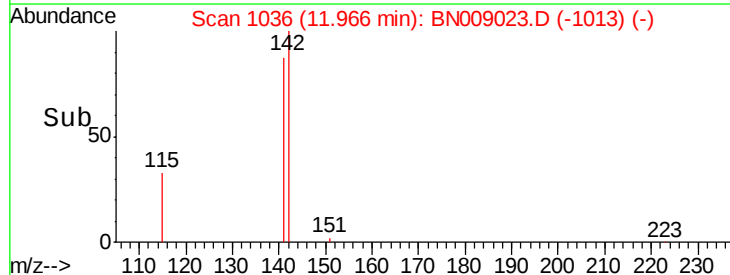
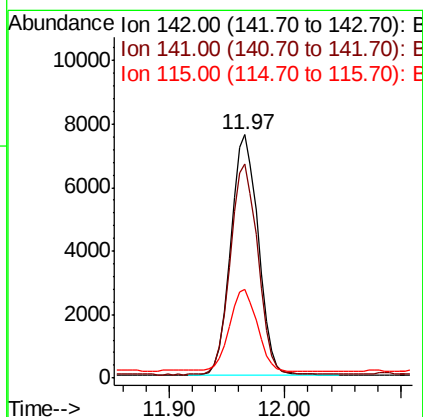
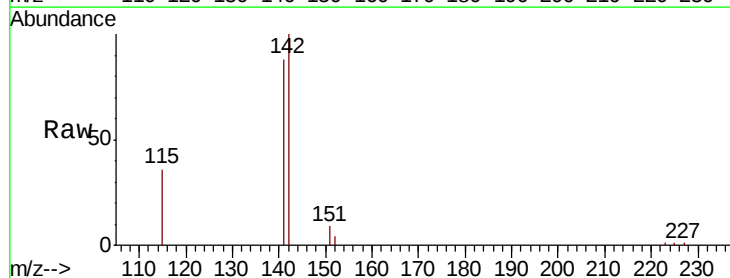
Instrument :
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 BE-216-COMP-SMSD

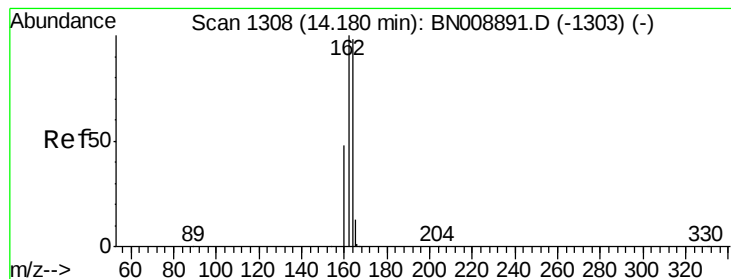
Tot Ion:152 Resp: 10784
 Ion Ratio Lower Upper
 152 100
 151 22.4 15.2 22.8



#12
 2-Methylnaphthalene
 Concen: 0.335 ng
 RT: 11.97 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BN009023.D
 Acq: 18 Dec 2019 20:04

Tgt Ion:142 Resp: 12133
 Ion Ratio Lower Upper
 142 100
 141 88.0 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. 0.00 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMSD

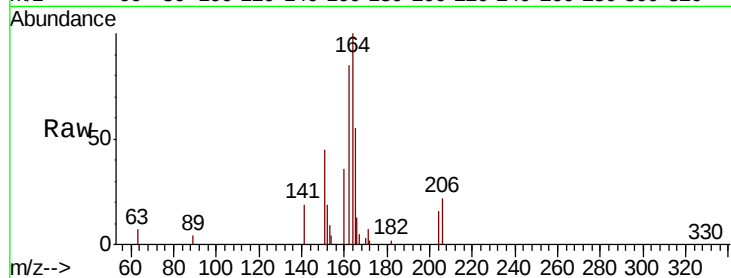
Tot Ion:164 Resp: 15648

Ion Ratio Lower Upper

164 100

162 85.1 81.9 122.9

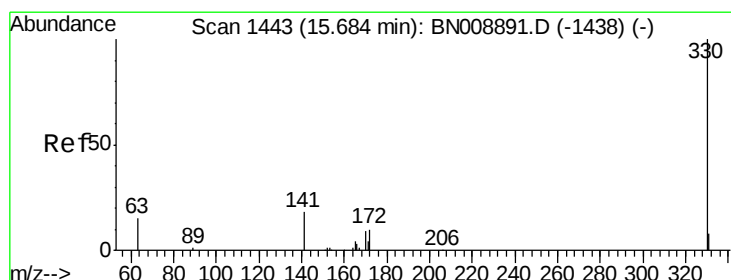
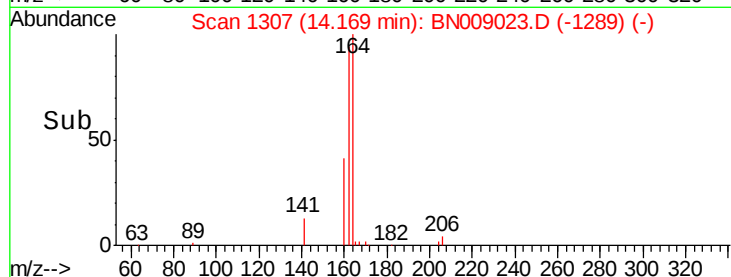
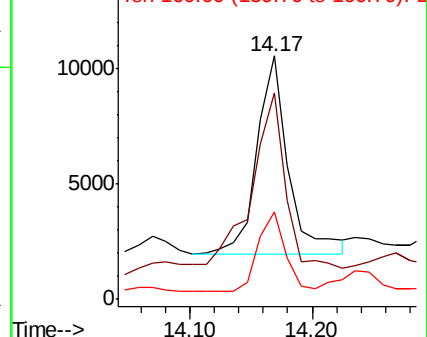
160 35.8 39.3 58.9#



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: 0.252 ng

RT: 15.66 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

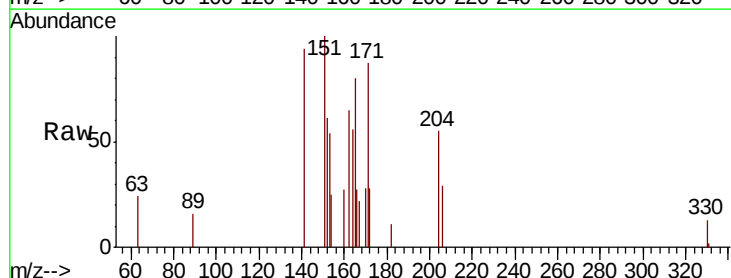
Tgt Ion:330 Resp: 1896

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

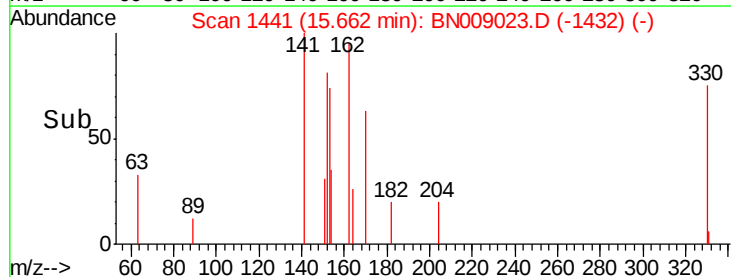
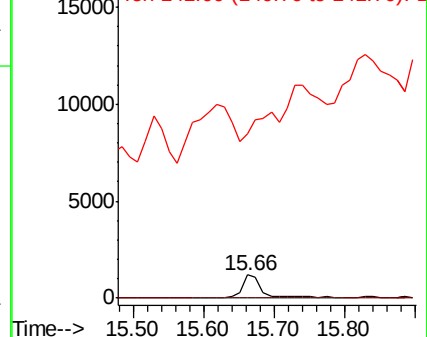
141 0.0 29.6 44.4#

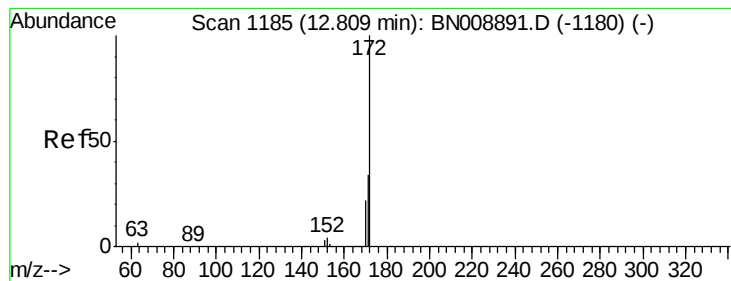


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.188 ng

RT: 12.79 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMSD

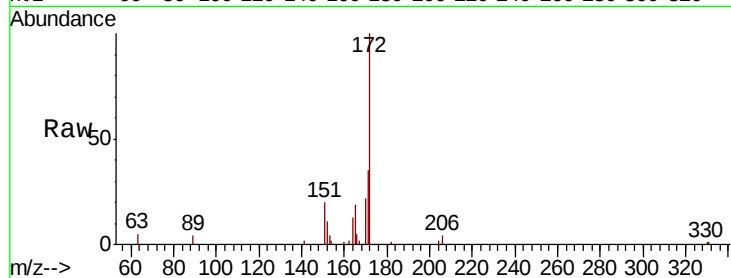
Tot Ion:172 Resp: 11145

Ion Ratio Lower Upper

172 100

171 34.5 27.1 40.7

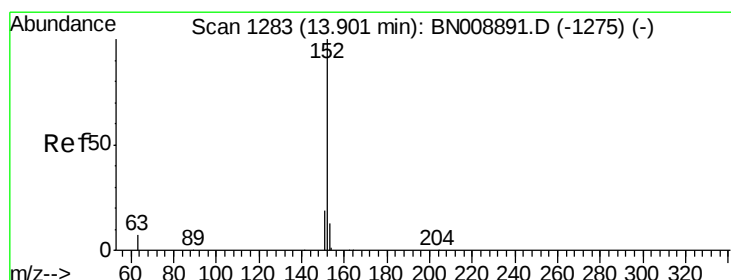
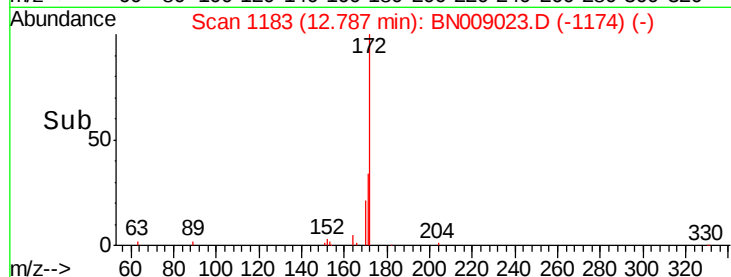
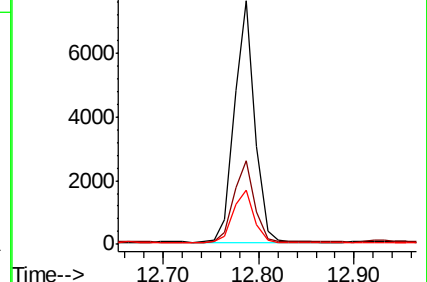
170 22.1 17.7 26.5



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: 0.405 ng

RT: 13.88 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

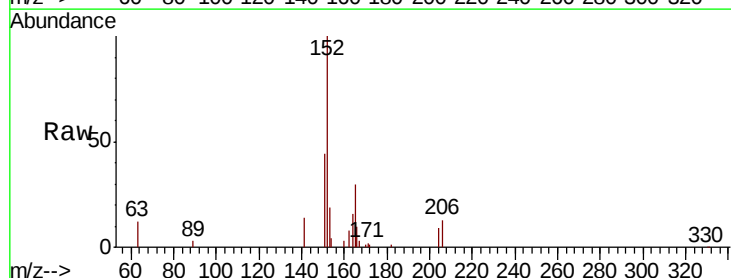
Tgt Ion:152 Resp: 29007

Ion Ratio Lower Upper

152 100

151 0.0 15.3 22.9#

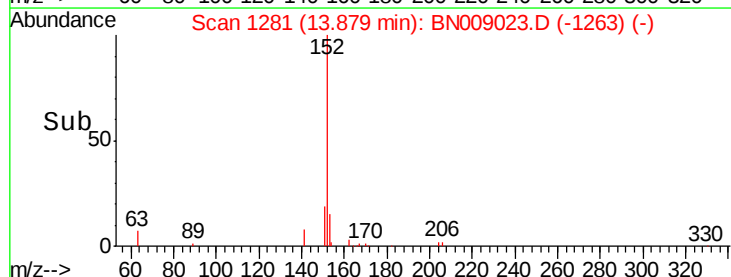
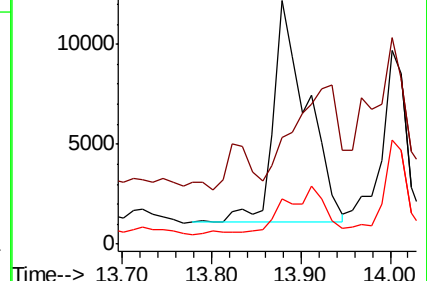
153 0.0 10.3 15.5#

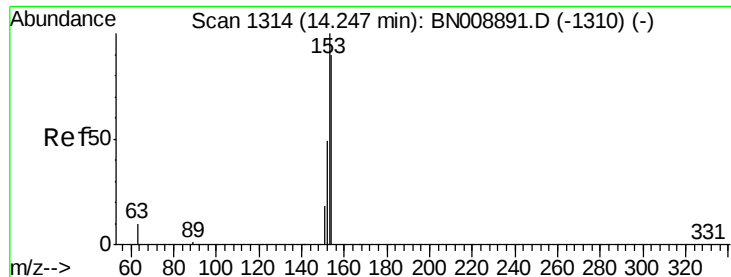


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.221 ng

RT: 14.22 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMSD

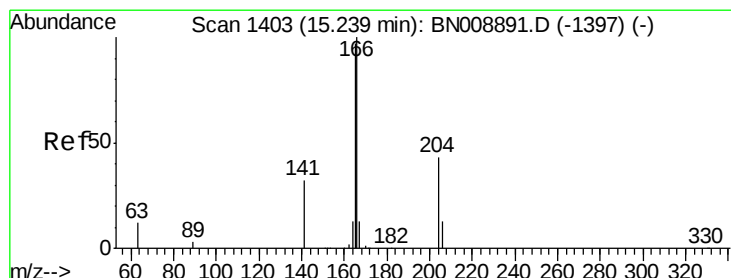
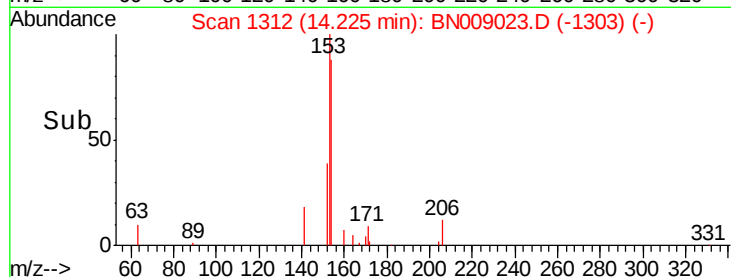
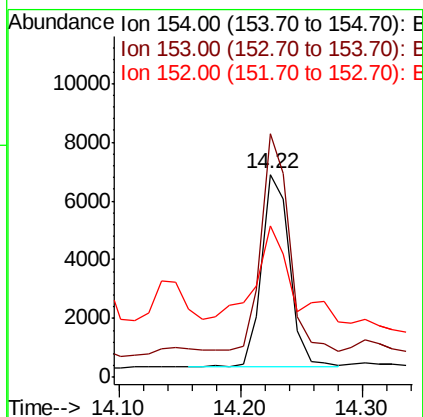
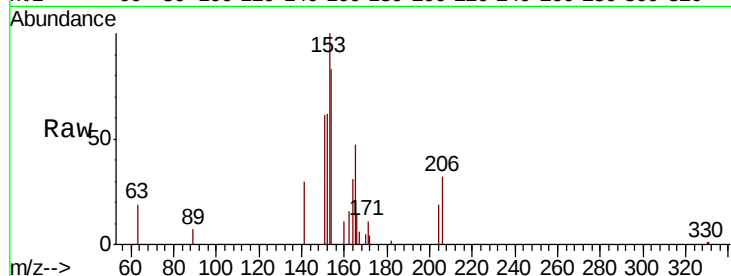
Tot Ion:154 Resp: 10481

Ion Ratio Lower Upper

154 100

153 111.9 89.2 133.8

152 92.2 44.2 66.4#



#18

Fluorene

Concen: 0.246 ng

RT: 15.23 min Scan# 1402

Delta R.T. 0.01 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

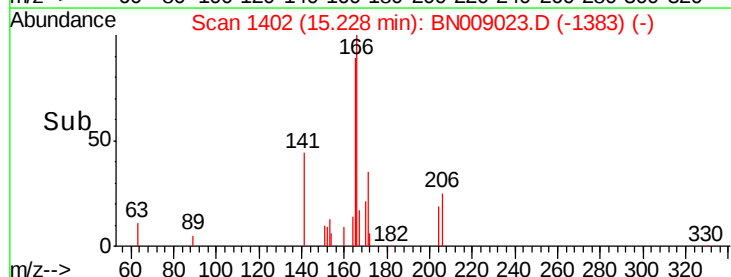
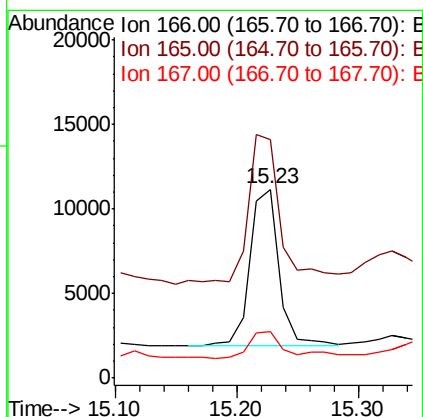
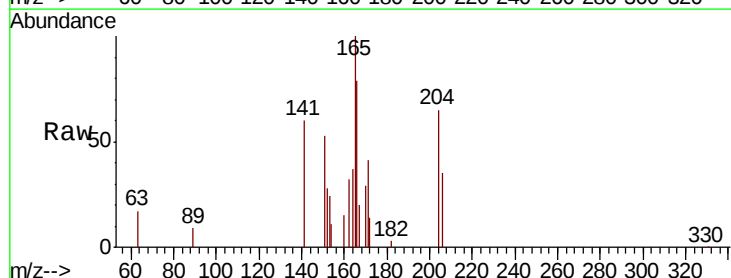
Tgt Ion:166 Resp: 15714

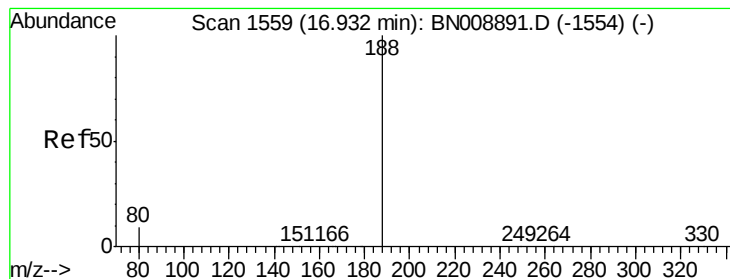
Ion Ratio Lower Upper

166 100

165 106.5 77.3 115.9

167 25.6 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: BN009023.D

Acq: 18 Dec 2019 20:04

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMSD

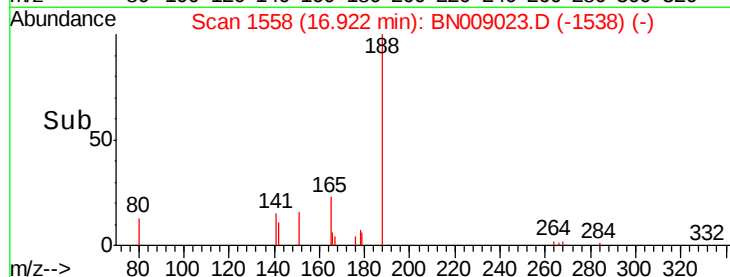
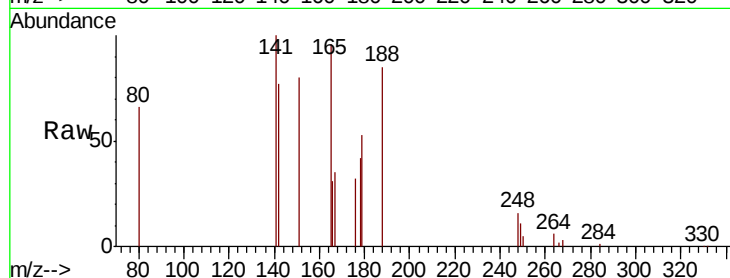
Tot Ion:188 Resp: 23446

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

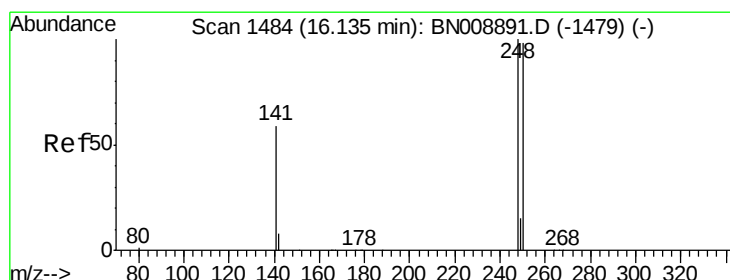
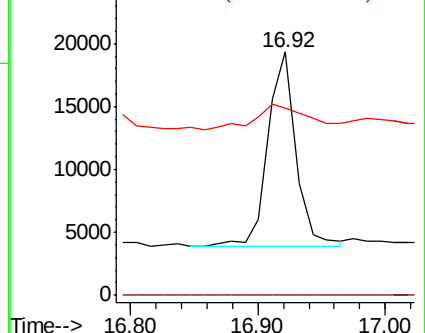
80 77.1 7.3 10.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 0.375 ng

RT: 16.12 min Scan# 1483

Delta R.T. 0.01 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

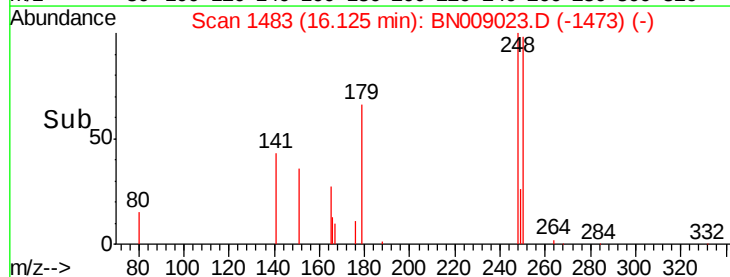
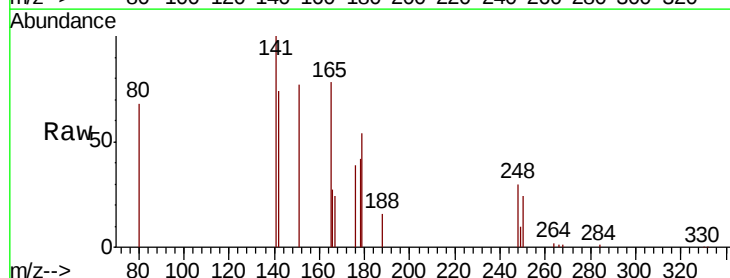
Tgt Ion:248 Resp: 5266

Ion Ratio Lower Upper

248 100

250 80.0 78.7 118.1

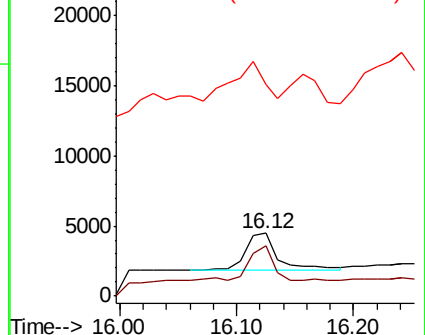
141 337.6 47.9 71.9#

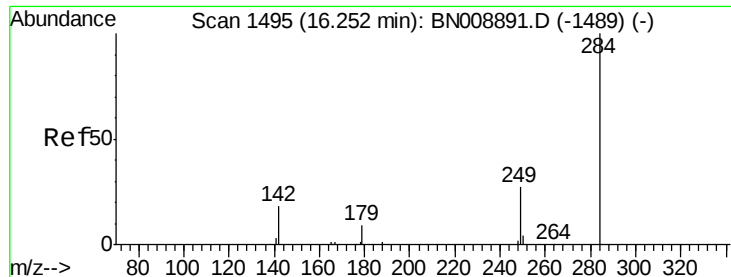


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.246 ng

RT: 16.24 min Scan# 1494

Delta R.T. 0.01 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMSD

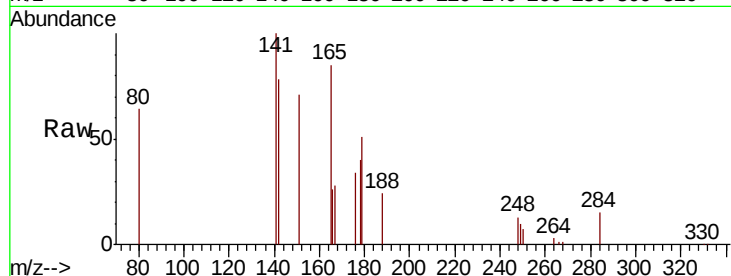
Tot Ion:284 Resp: 3929

Ion Ratio Lower Upper

284 100

142 230.7 27.8 41.6#

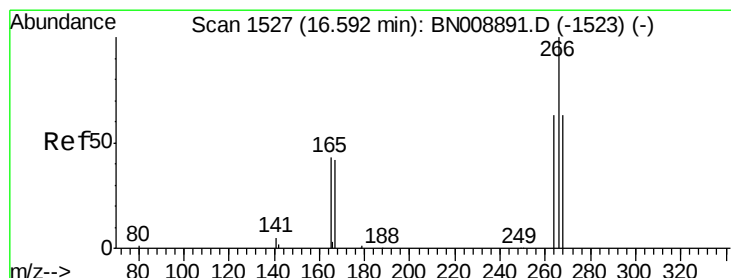
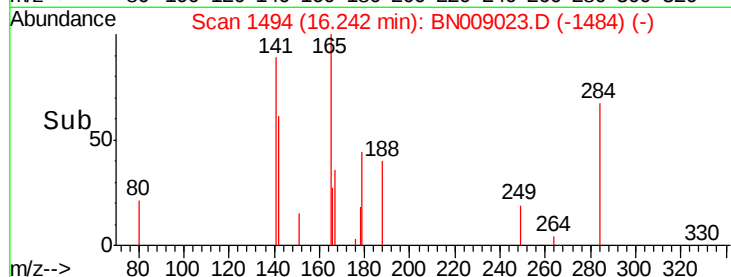
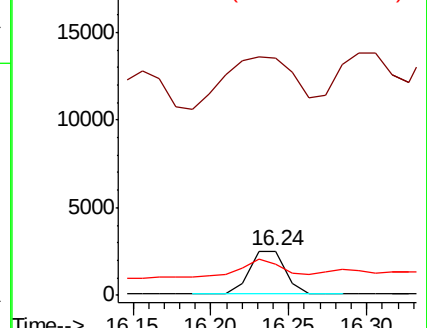
249 45.5 25.3 37.9#



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: 0.850 ng

RT: 16.58 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

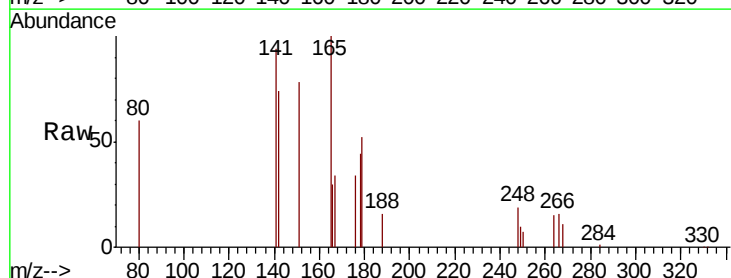
Tgt Ion:266 Resp: 4901

Ion Ratio Lower Upper

266 100

264 88.6 51.5 77.3#

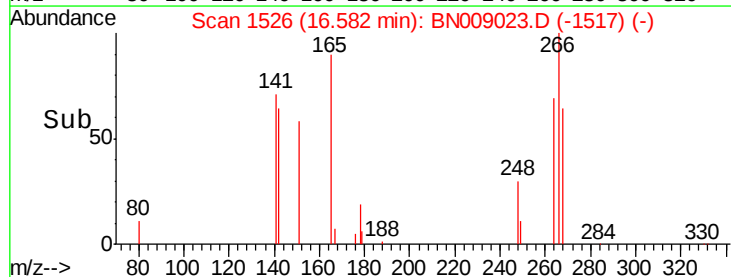
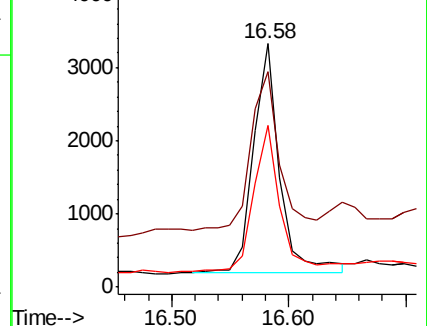
268 66.6 53.1 79.7

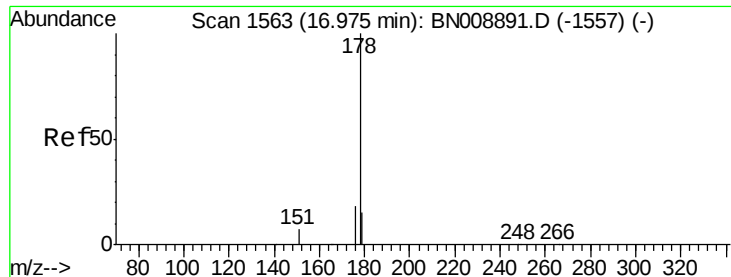


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.538 ng

RT: 16.96 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMSD

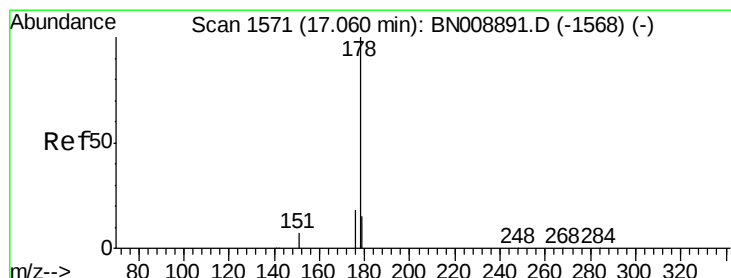
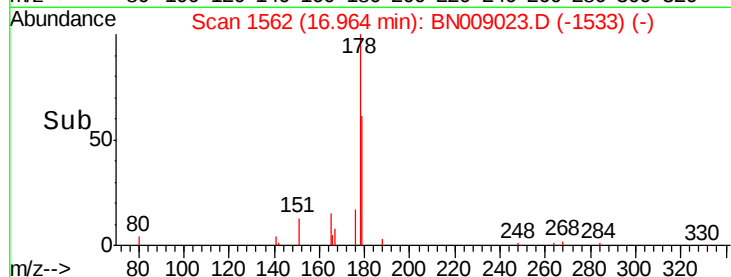
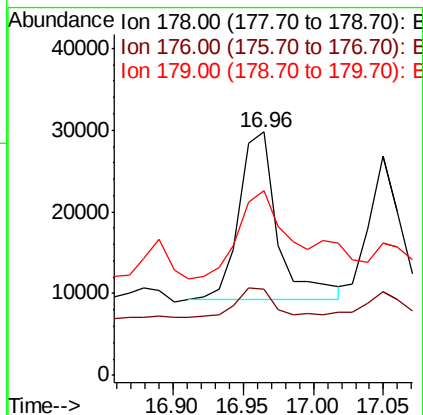
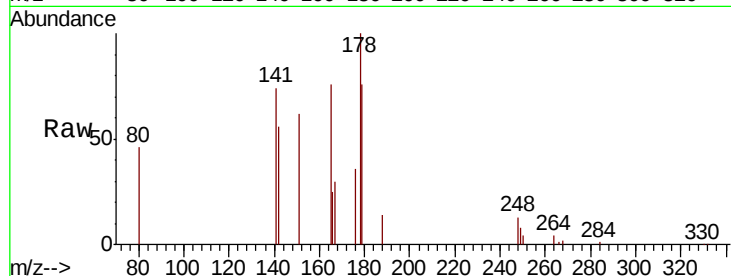
Tot Ion:178 Resp: 39736

Ion Ratio Lower Upper

178 100

176 23.4 14.9 22.3#

179 64.6 12.3 18.5#



#24

Anthracene

Concen: 0.337 ng

RT: 17.05 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

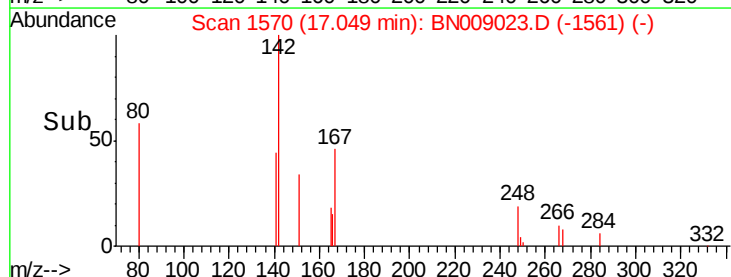
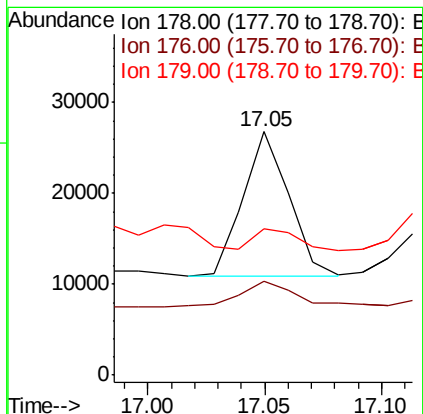
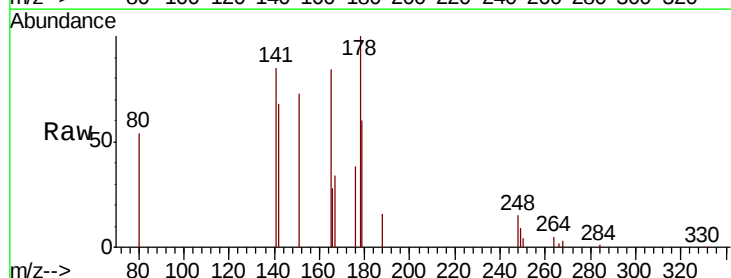
Tgt Ion:178 Resp: 21915

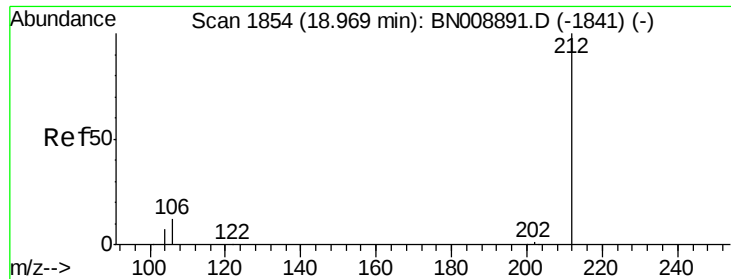
Ion Ratio Lower Upper

178 100

176 22.6 14.4 21.6#

179 14.4 12.1 18.1

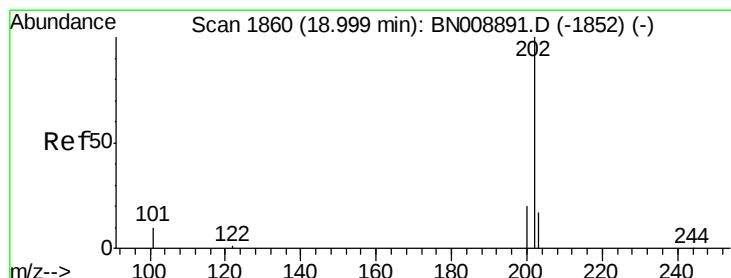
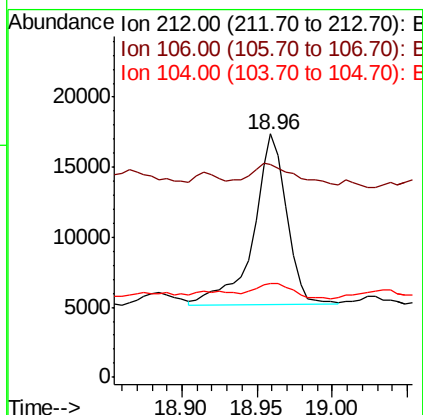
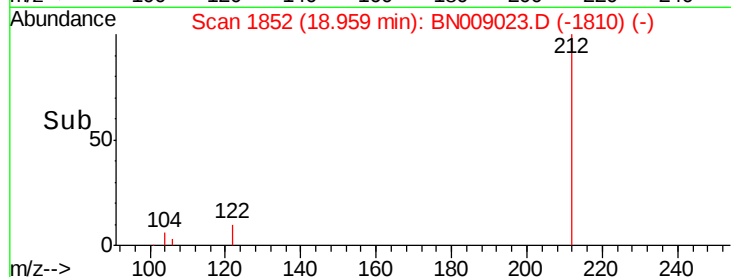
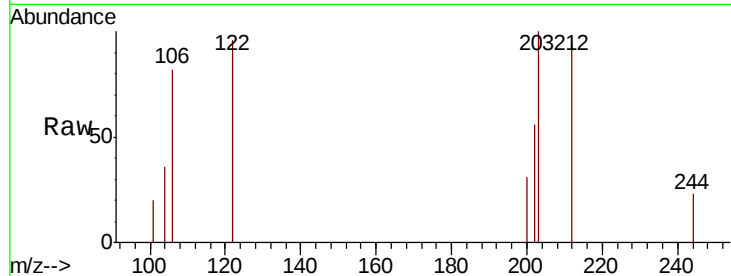




#25
 Fluoranthene-d10
 Concen: 0.266 ng
 RT: 18.96 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: BN009023.D
 Acq: 18 Dec 2019 20:04

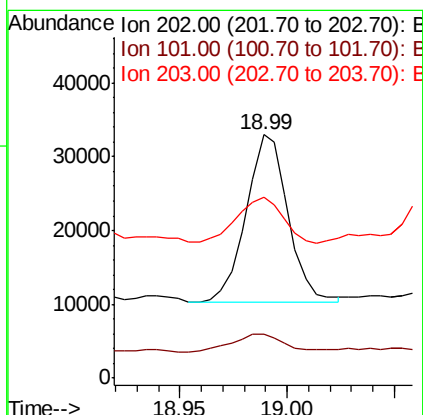
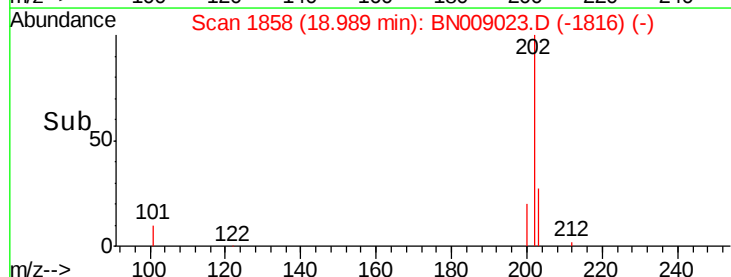
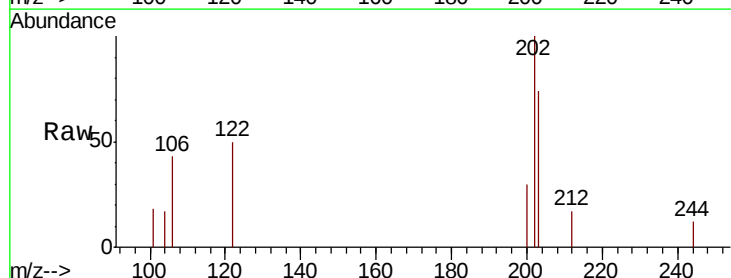
Instrument :
 BNA_N
 ClientSampleId :
 BE-216-COMP-SMSD

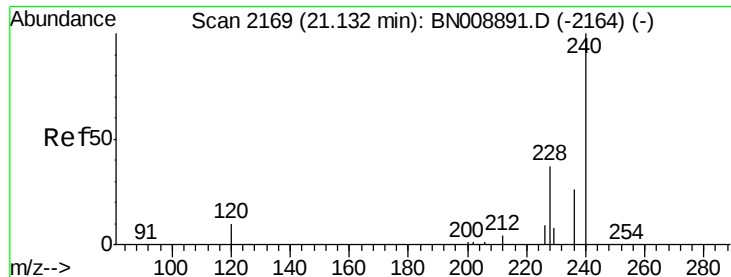
Tot Ion:212 Resp: 18863
 Ion Ratio Lower Upper
 212 100
 106 13.8 10.4 15.6
 104 8.5 5.9 8.9



#26
 Fluoranthene
 Concen: 0.356 ng
 RT: 18.99 min Scan# 1858
 Delta R.T. 0.01 min
 Lab File: BN009023.D
 Acq: 18 Dec 2019 20:04

Tgt Ion:202 Resp: 31253
 Ion Ratio Lower Upper
 202 100
 101 12.5 8.8 13.2
 203 30.0 13.8 20.6#





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.13 min Scan# 2169

Delta R.T. 0.01 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMSD

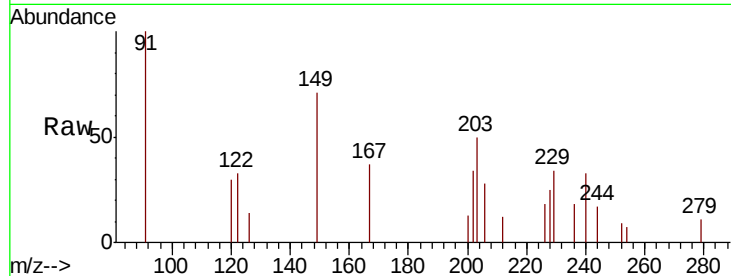
Tot Ion:240 Resp: 17095

Ion Ratio Lower Upper

240 100

120 90.3 9.1 13.7#

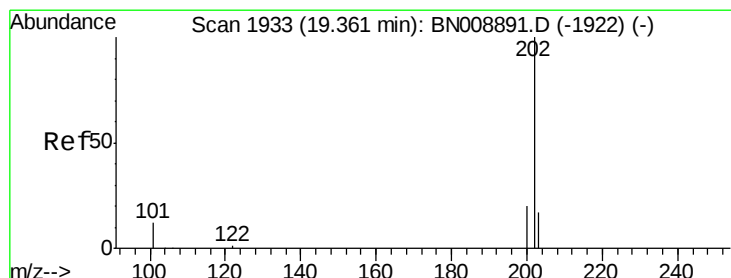
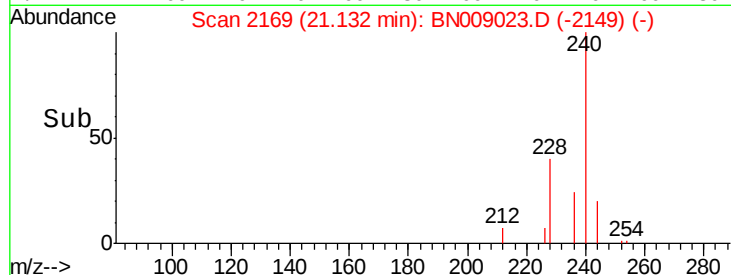
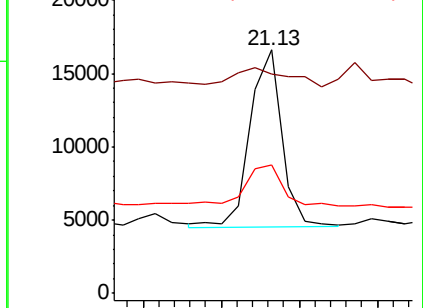
236 53.0 21.5 32.3#



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: 0.667 ng

RT: 19.36 min Scan# 1932

Delta R.T. 0.01 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

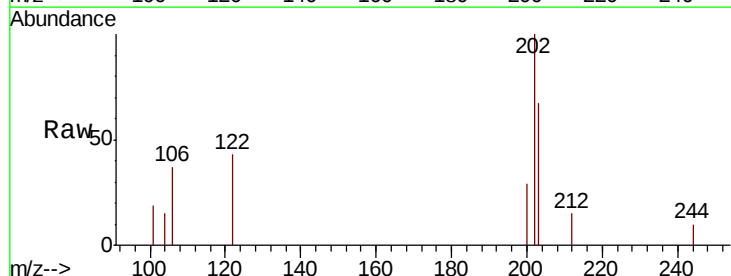
Tgt Ion:202 Resp: 39939

Ion Ratio Lower Upper

202 100

200 18.1 16.1 24.1

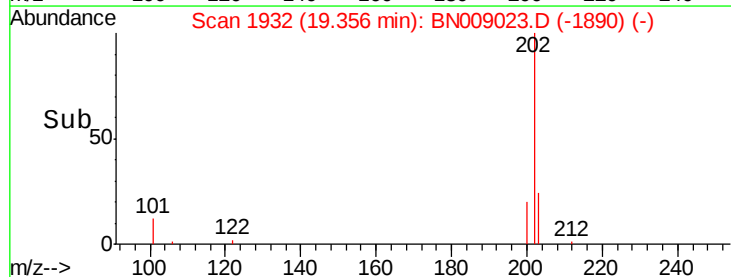
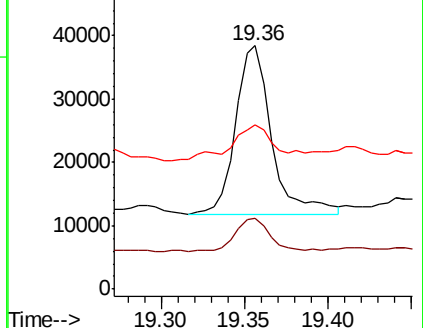
203 24.6 13.9 20.9#

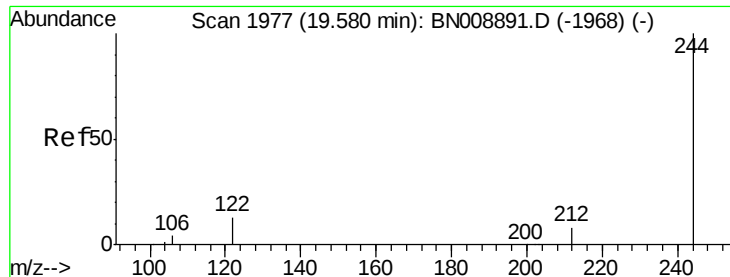


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.301 ng

RT: 19.57 min Scan# 1976

Delta R.T. 0.01 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMSD

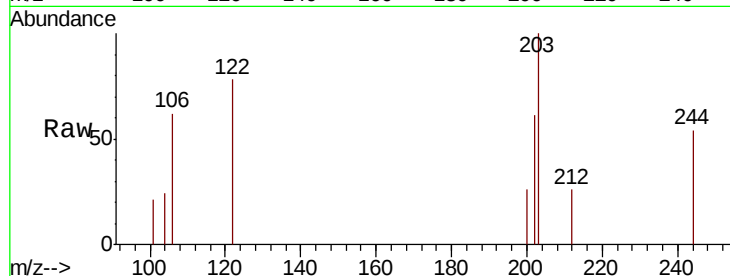
Tot Ion:244 Resp: 11727

Ion Ratio Lower Upper

244 100

212 49.0 6.5 9.7#

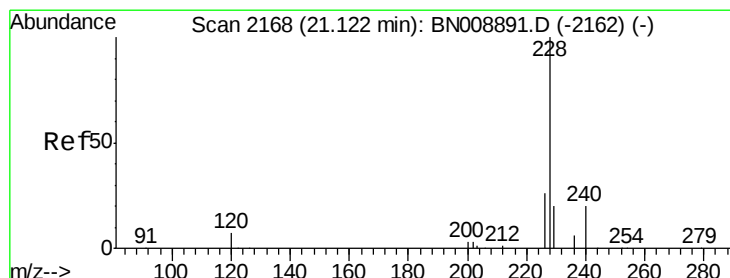
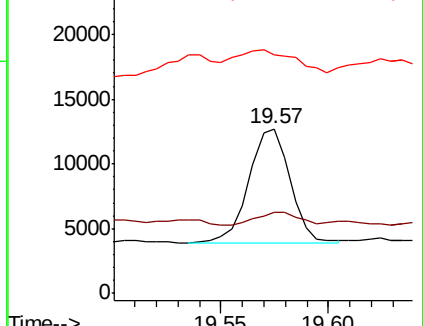
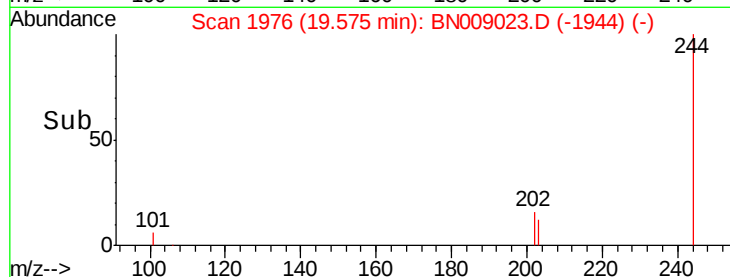
122 145.5 10.4 15.6#



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: 0.523 ng

RT: 21.11 min Scan# 2167

Delta R.T. 0.01 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

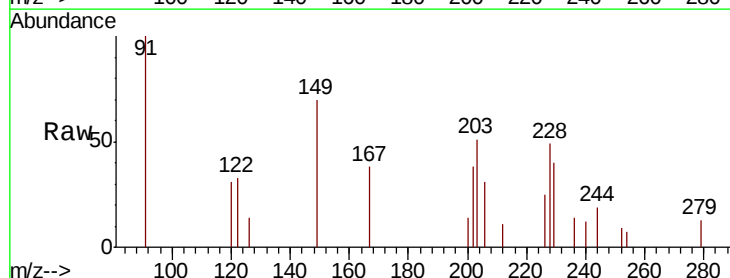
Tgt Ion:228 Resp: 31703

Ion Ratio Lower Upper

228 100

226 50.8 20.6 30.8#

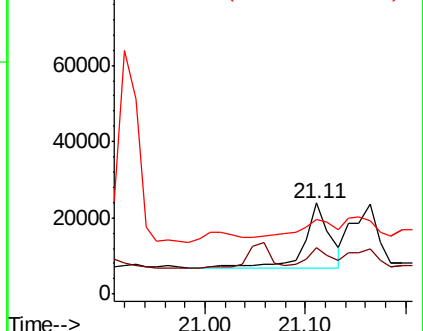
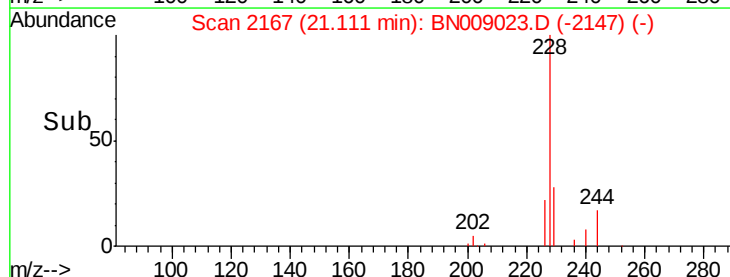
229 82.6 15.9 23.9#

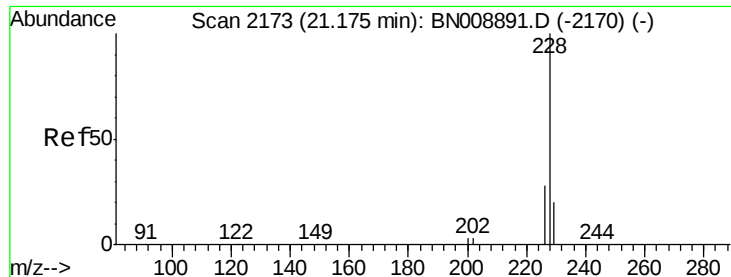


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.455 ng

RT: 21.16 min Scan# 2172

Delta R.T. 0.01 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMSD

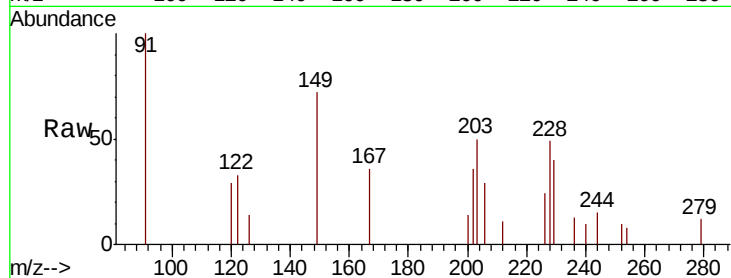
Tot Ion:228 Resp: 28562

Ion Ratio Lower Upper

228 100

226 50.1 22.2 33.4#

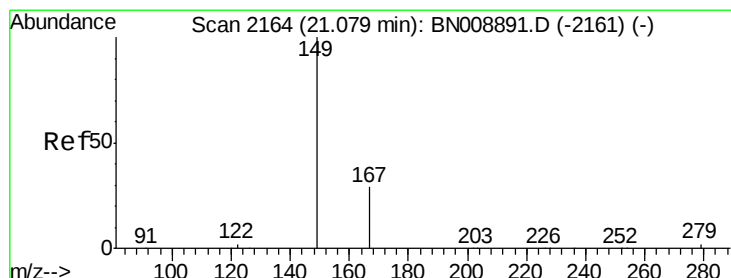
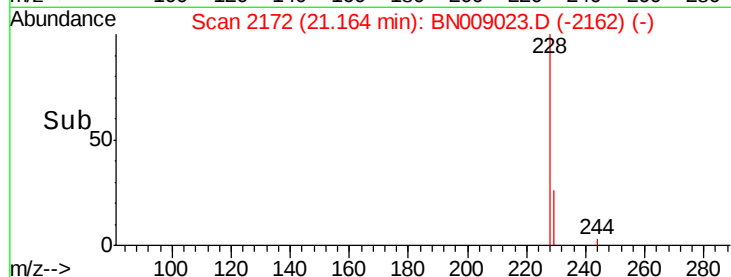
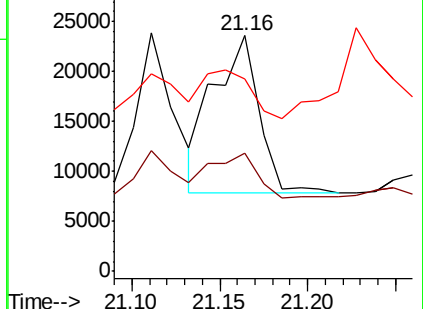
229 81.8 15.9 23.9#



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: 0.619 ng

RT: 21.07 min Scan# 2163

Delta R.T. 0.01 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

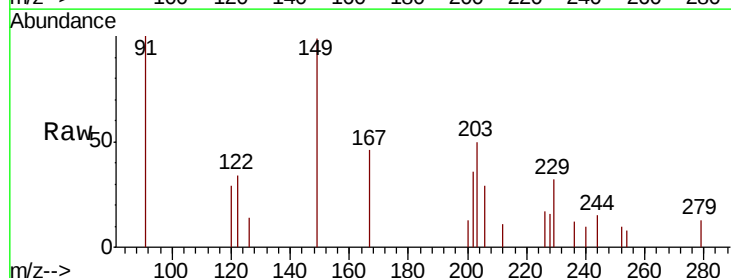
Tgt Ion:149 Resp: 17555

Ion Ratio Lower Upper

149 100

167 0.0 22.7 34.1#

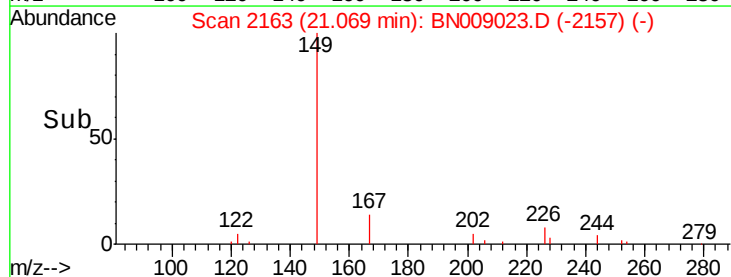
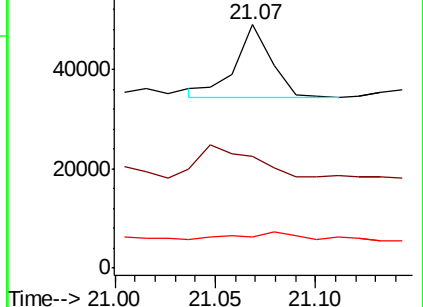
279 14.0 3.3 4.9#

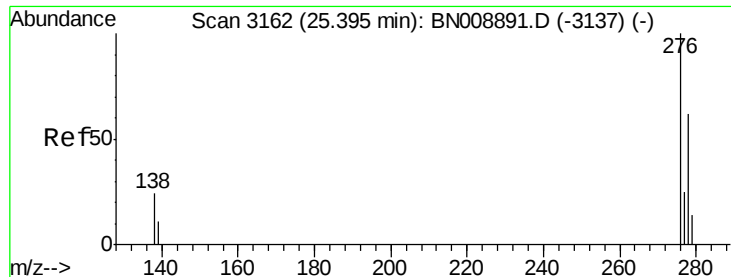


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

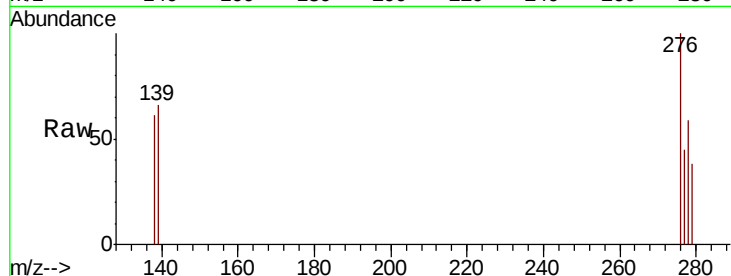




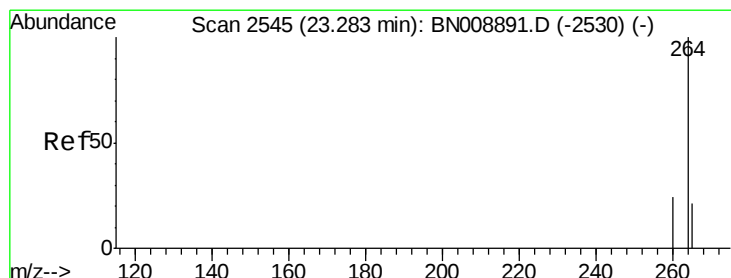
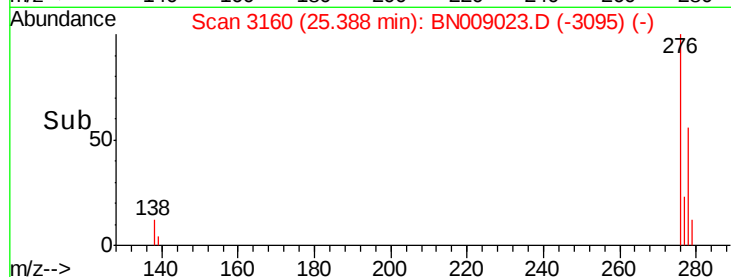
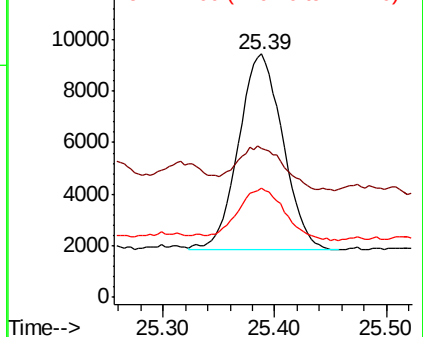
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.314 ng
 RT: 25.39 min Scan# 3160
 Delta R.T. 0.02 min
 Lab File: BN009023.D
 Acq: 18 Dec 2019 20:04

Instrument :
 BNA_N
 ClientSampleId :
 BE-216-COMP-SMSD

Tot Ion:276 Resp: 20874
 Ion Ratio Lower Upper
 276 100
 138 23.4 19.9 29.9
 277 28.1 19.8 29.8

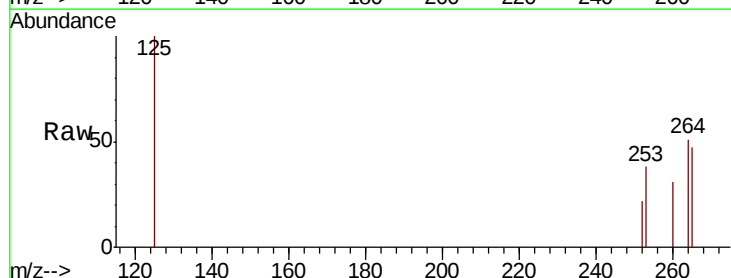


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

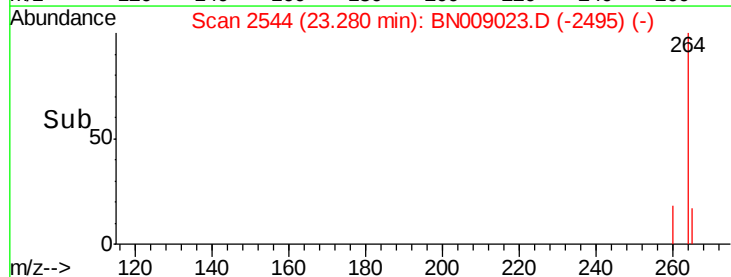
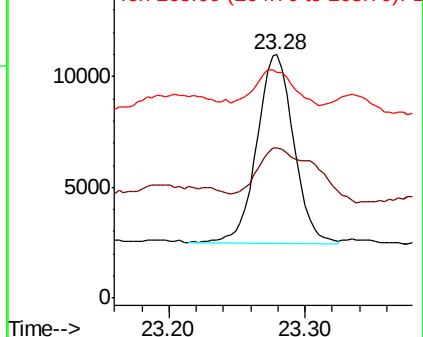


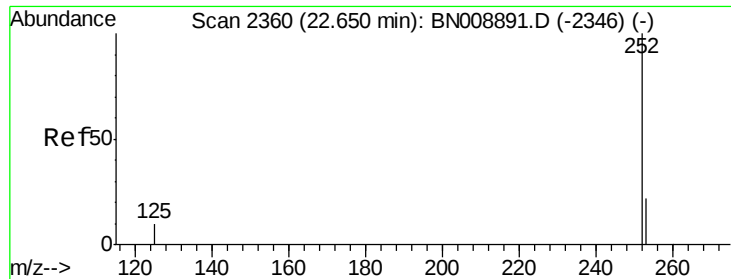
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.28 min Scan# 2544
 Delta R.T. 0.02 min
 Lab File: BN009023.D
 Acq: 18 Dec 2019 20:04

Tgt Ion:264 Resp: 16003
 Ion Ratio Lower Upper
 264 100
 260 61.9 19.4 29.0#
 265 92.9 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: 0.395 ng

RT: 22.64 min Scan# 2358

Delta R.T. 0.01 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMSD

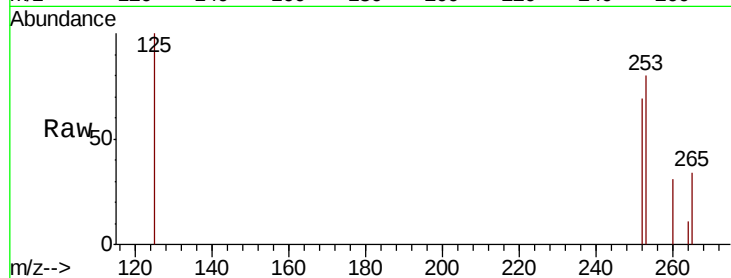
Tot Ion:252 Resp: 22614

Ion Ratio Lower Upper

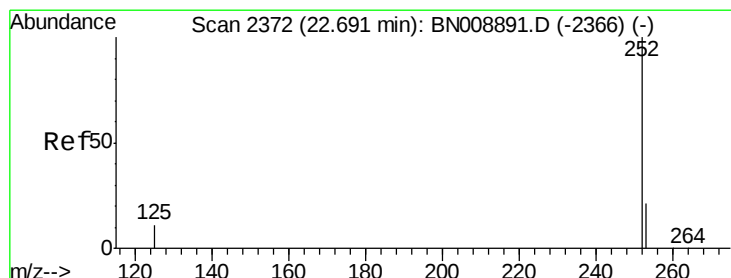
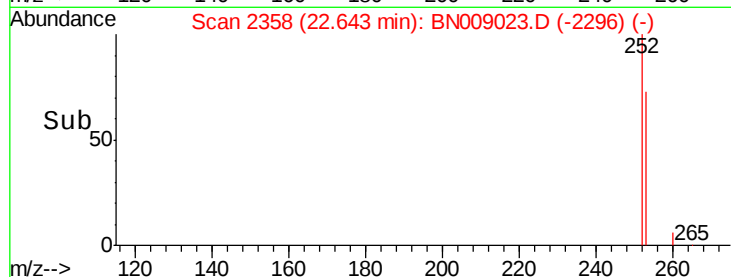
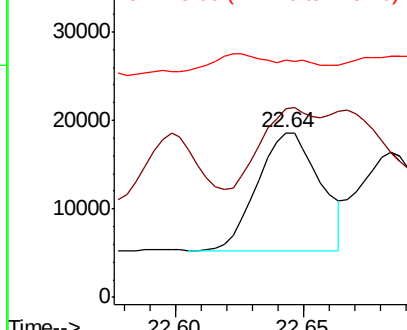
252 100

253 115.1 19.8 29.6#

125 144.6 10.8 16.2#



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: 0.296 ng

RT: 22.68 min Scan# 2370

Delta R.T. 0.01 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

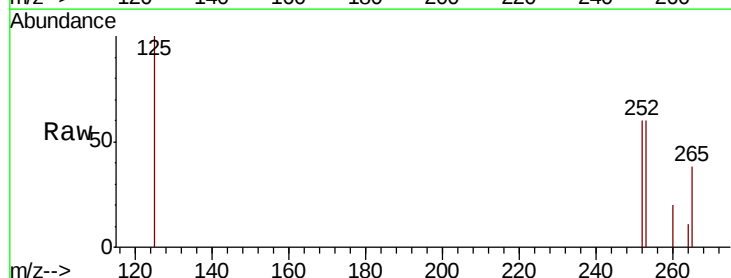
Tgt Ion:252 Resp: 17066

Ion Ratio Lower Upper

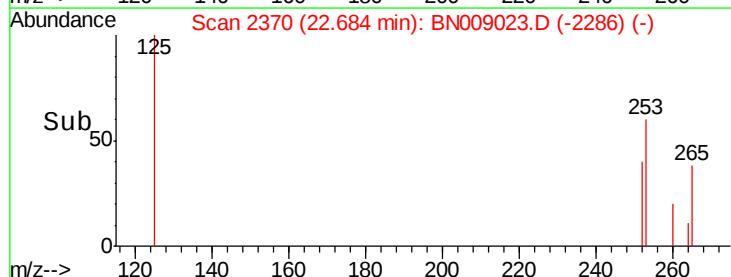
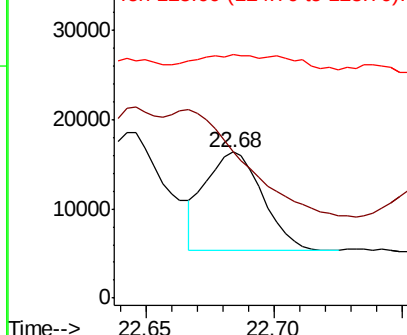
252 100

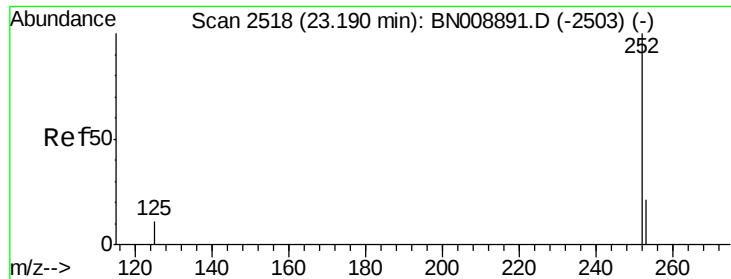
253 100.2 19.2 28.8#

125 166.8 11.6 17.4#



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: 0.401 ng

RT: 23.19 min Scan# 2517

Delta R.T. 0.02 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMSD

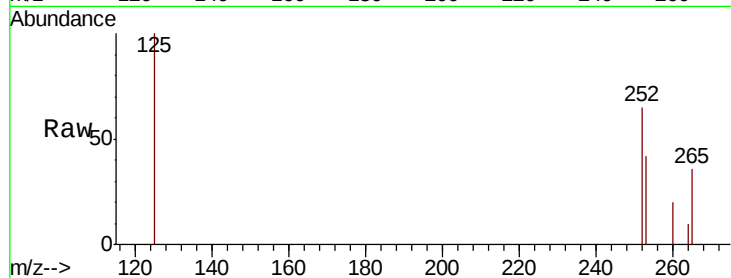
Tot Ion:252 Resp: 20628

Ion Ratio Lower Upper

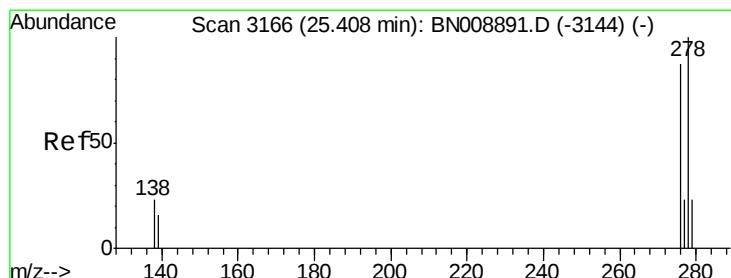
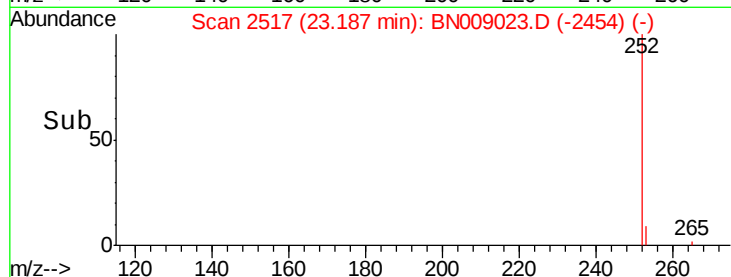
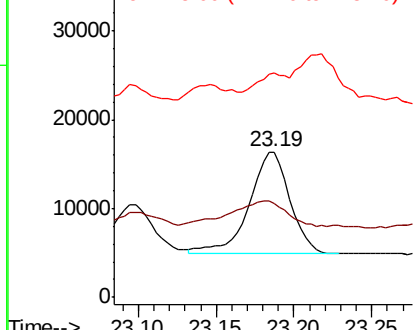
252 100

253 64.9 19.9 29.9#

125 154.6 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: 0.284 ng

RT: 25.41 min Scan# 3165

Delta R.T. 0.03 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

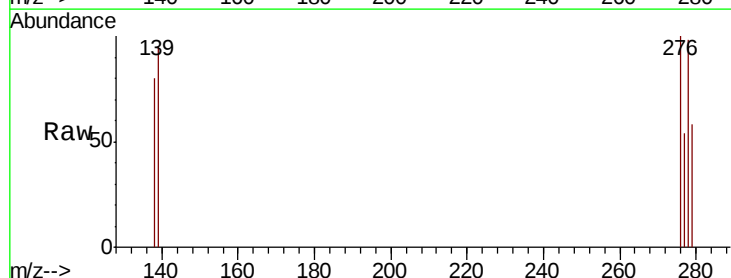
Tgt Ion:278 Resp: 13708

Ion Ratio Lower Upper

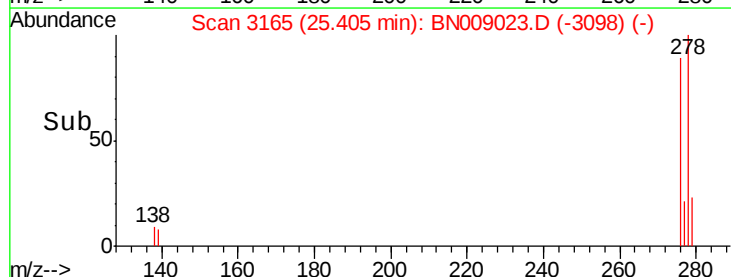
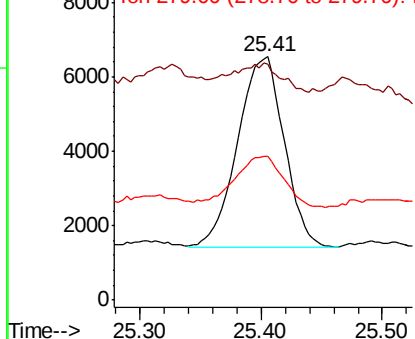
278 100

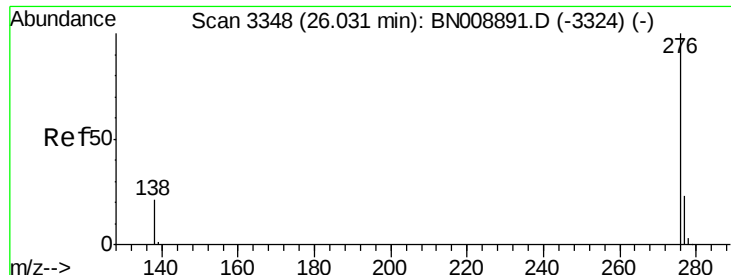
139 97.0 13.9 20.9#

279 59.0 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: 0.449 ng

RT: 26.03 min Scan# 3347

Delta R.T. 0.03 min

Lab File: BN009023.D

Acq: 18 Dec 2019 20:04

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMSD

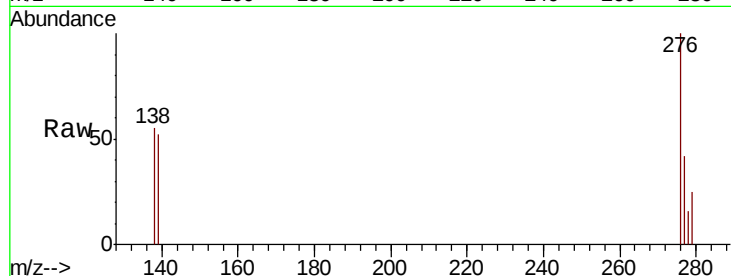
Tot Ion: 276 Resp: 21408

Ion Ratio Lower Upper

276 100

277 42.1 19.4 29.2#

138 54.9 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

