

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121819\
 Data File : BN009022.D
 Acq On : 18 Dec 2019 19:28
 Operator : JU
 Sample : K6239-02MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Dec 19 00:59:24 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	5411	0.40	ng	0.00
7) Naphthalene-d8	10.29	136	21928	0.40	ng	0.00
13) Acenaphthene-d10	14.17	164	18046	0.40	ng	0.00
19) Phenanthrene-d10	16.92	188	28260	0.40	ng	0.01
27) Chrysene-d12	21.13	240	21083	0.40	ng	0.01
34) Perylene-d12	23.28	264	20286	0.40	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	3956	0.29	ng	0.00
5) Phenol-d6	6.74	99	5669	0.30	ng	0.00
8) Nitrobenzene-d5	8.67	82	4964	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	11.89	152	13009	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.66	330	2041	0.24	ng	0.00
15) 2-Fluorobiphenyl	12.79	172	11884	0.17	ng	0.00
25) Fluoranthene-d10	18.96	212	19913	0.23	ng	0.01
29) Terphenyl-d14	19.57	244	12934	0.27	ng	0.01

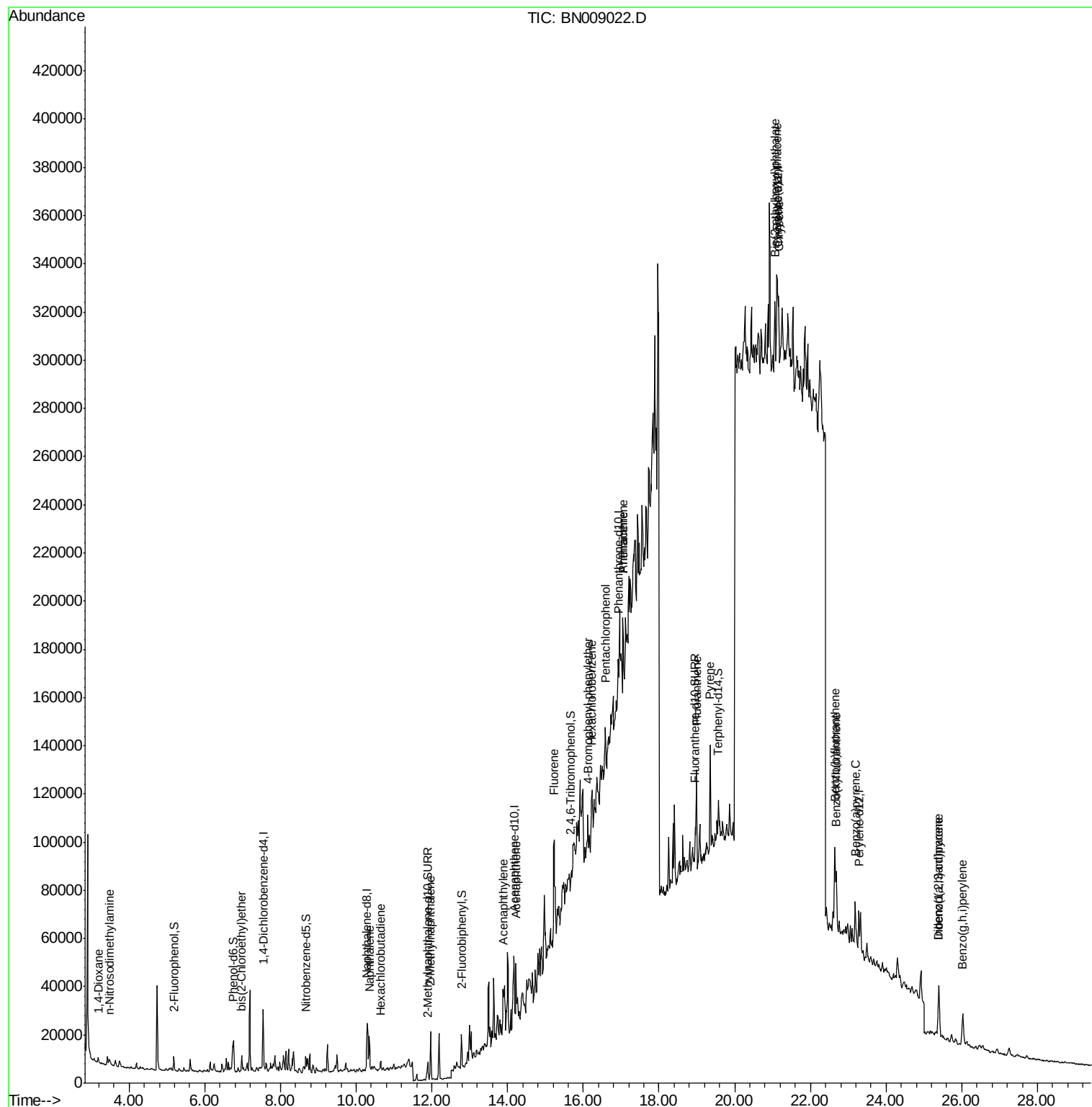
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.18	88	1162	0.229	ng	# 76
3) n-Nitrosodimethylamine	3.48	42	1800	0.257	ng	# 84
6) bis(2-Chloroethyl)ether	6.98	93	4681	0.261	ng	98
9) Naphthalene	10.34	128	18787	0.314	ng	100
10) Hexachlorobutadiene	10.65	225	3038	0.265	ng	# 100
12) 2-Methylnaphthalene	11.97	142	14138	0.317	ng	98
16) Acenaphthylene	13.88	152	31356	0.380	ng	# 62
17) Acenaphthene	14.22	154	12150	0.222	ng	# 86
18) Fluorene	15.23	166	18056	0.245	ng	# 85
20) 4-Bromophenyl-phenylether	16.12	248	5789	0.342	ng	# 1
21) Hexachlorobenzene	16.23	284	4439	0.231	ng	# 1
22) Pentachlorophenol	16.58	266	5580	0.803	ng	# 86
23) Phenanthrene	17.05	178	25347	0.285	ng	95
24) Anthracene	17.05	178	25347	0.324	ng	98
26) Fluoranthene	18.99	202	34522	0.326	ng	# 82
28) Pyrene	19.35	202	45544	0.616	ng	# 93
30) Benzo(a)anthracene	21.11	228	31577	0.422	ng	# 20
31) Chrysene	21.16	228	32726	0.422	ng	# 21
32) Bis(2-ethylhexyl)phthalate	21.07	149	22361	0.639	ng	# 50
33) Indeno(1,2,3-cd)pyrene	25.39	276	24229	0.295	ng	96
35) Benzo(b)fluoranthene	22.64	252	26338	0.363	ng	# 1
36) Benzo(k)fluoranthene	22.68	252	20327	0.278	ng	# 1
37) Benzo(a)pyrene	23.18	252	23217	0.356	ng	# 1
38) Dibenzo(a,h)anthracene	25.40	278	15977	0.261	ng	# 1
39) Benzo(g,h,i)perylene	26.03	276	24740	0.410	ng	# 54

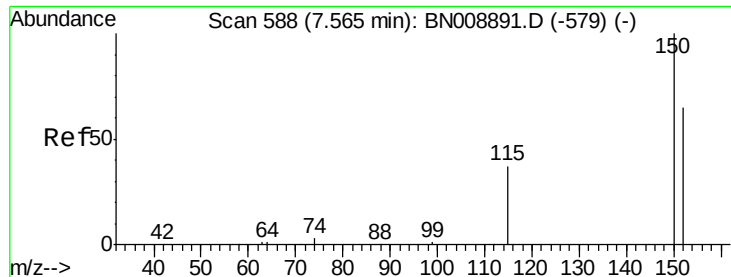
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN009022.D

Acq: 18 Dec 2019 19:28

Instrument :

BNA_N

ClientSampleId :

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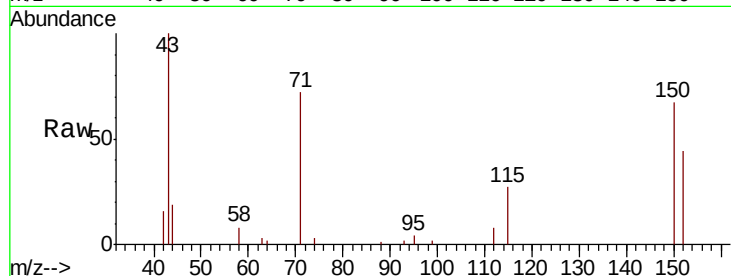
Tot Ion:152 Resp: 5411

Ion Ratio Lower Upper

152 100

150 154.3 122.3 183.5

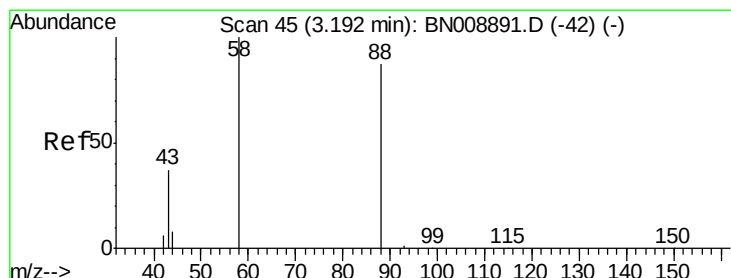
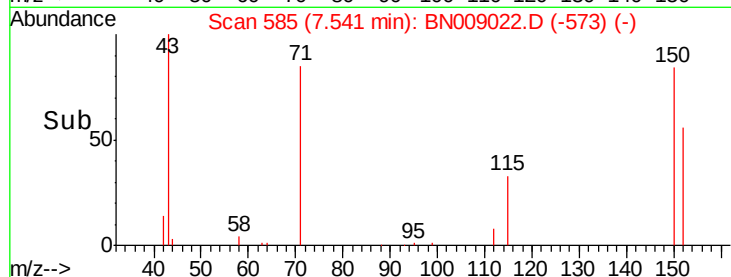
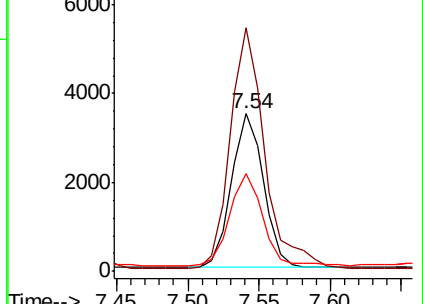
115 61.8 48.4 72.6



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



#2

1,4-Dioxane

Concen: 0.229 ng

RT: 3.18 min Scan# 44

Delta R.T. 0.00 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

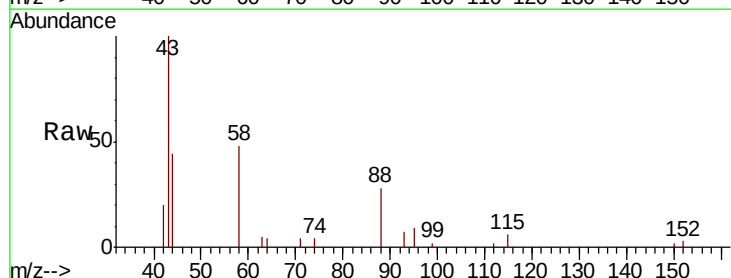
Tgt Ion: 88 Resp: 1162

Ion Ratio Lower Upper

88 100

58 93.9 88.6 132.8

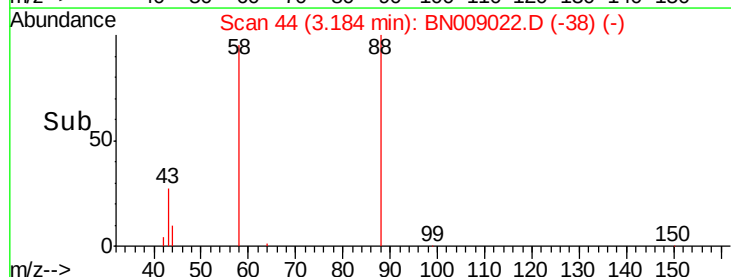
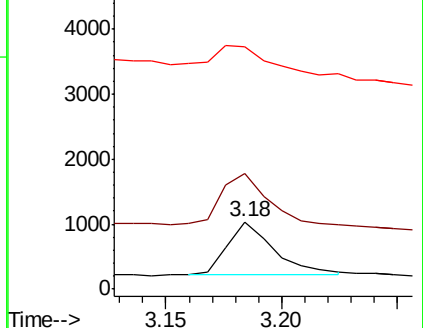
43 67.6 31.8 47.8#

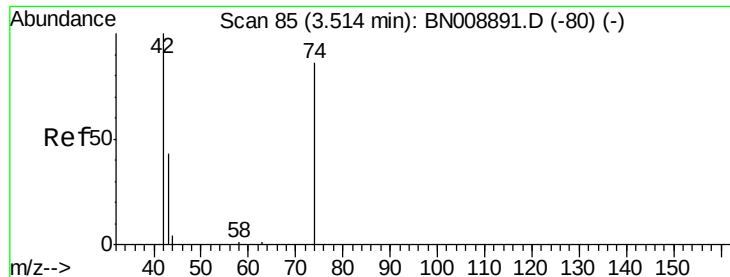


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC



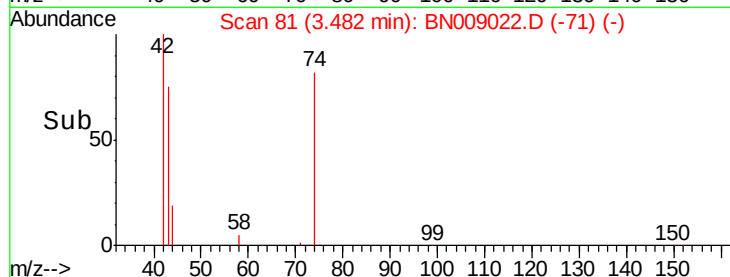
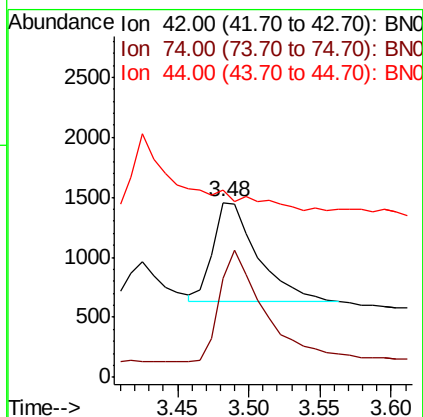
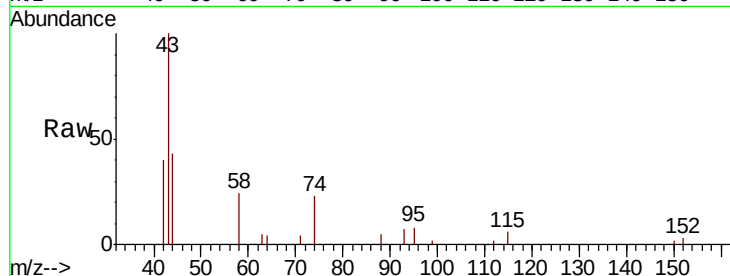


#3

n-Nitrosodimethylamine
Concen: 0.257 ng
RT: 3.48 min Scan# 81
Delta R.T. -0.02 min
Lab File: BN009022.D
Acq: 18 Dec 2019 19:28

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

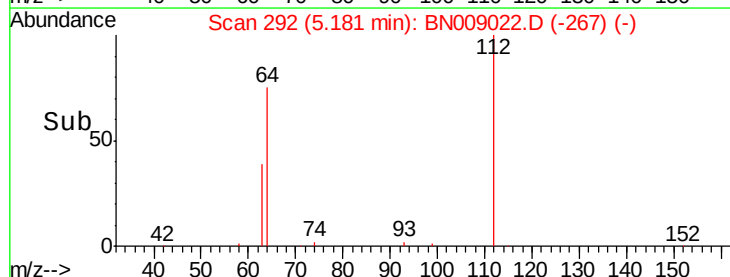
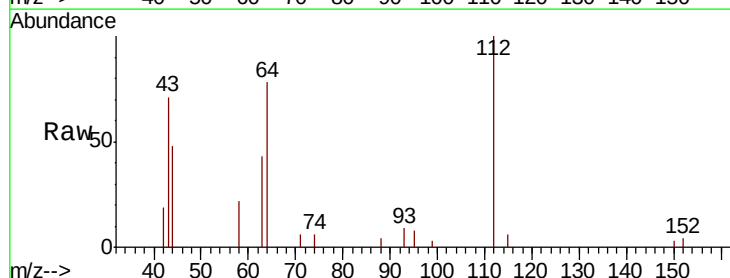
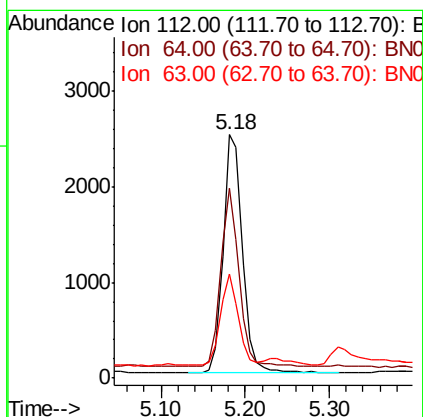
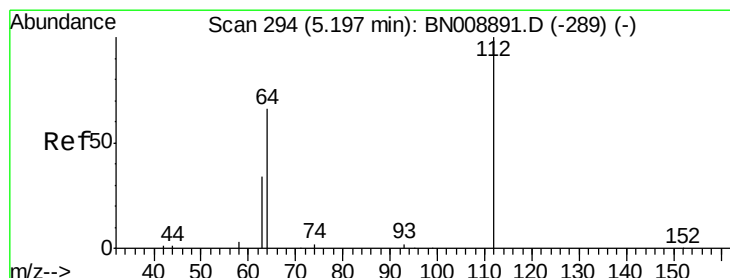
Tot Ion: 42 Resp: 1800
Ion Ratio Lower Upper
42 100
74 114.1 78.6 117.8
44 0.0 0.0 0.0

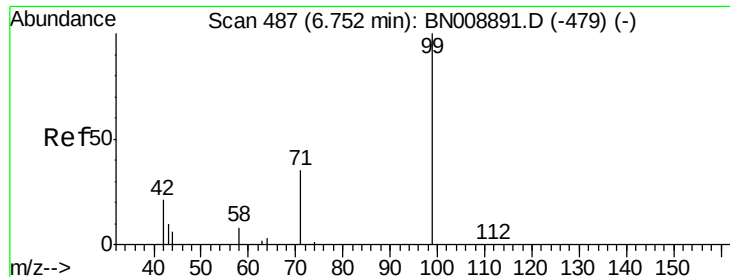


#4

2-Fluorophenol
Concen: 0.288 ng
RT: 5.18 min Scan# 292
Delta R.T. 0.00 min
Lab File: BN009022.D
Acq: 18 Dec 2019 19:28

Tgt Ion: 112 Resp: 3956
Ion Ratio Lower Upper
112 100
64 70.9 57.7 86.5
63 34.9 29.6 44.4





#5

Phenol-d6

Concen: 0.298 ng

RT: 6.74 min Scan# 485

Delta R.T. 0.01 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMS

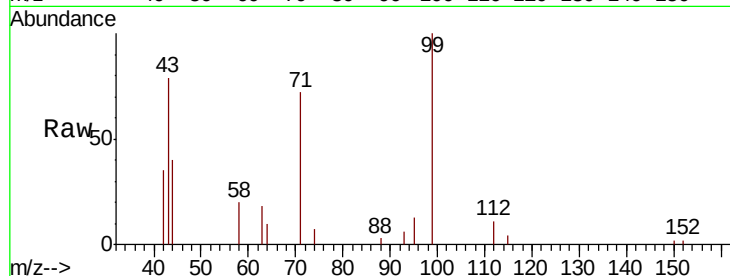
Tot Ion: 99 Resp: 5669

Ion Ratio Lower Upper

99 100

42 46.1 20.1 30.1#

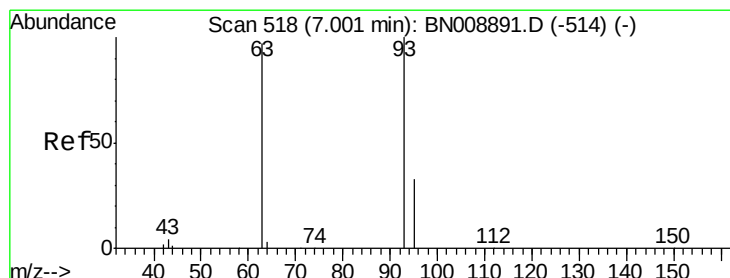
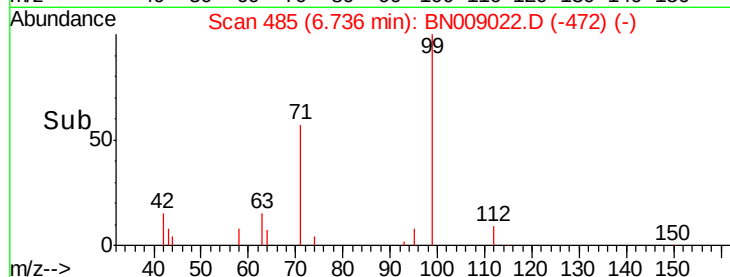
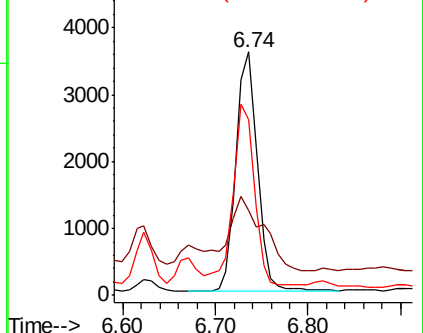
71 75.8 28.2 42.2#



Abundance Ion 99.00 (98.70 to 99.70): BN008891.D (-479) (-)

Ion 42.00 (41.70 to 42.70): BN008891.D (-479) (-)

Ion 71.00 (70.70 to 71.70): BN008891.D (-479) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.261 ng

RT: 6.98 min Scan# 515

Delta R.T. -0.01 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

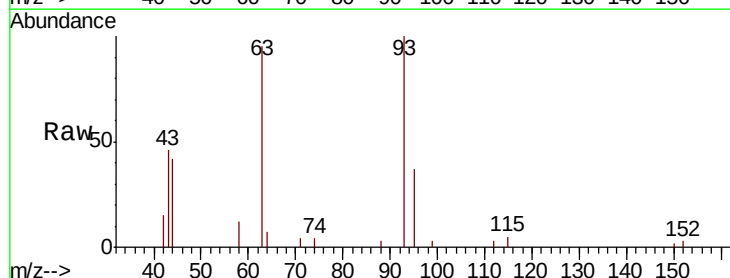
Tgt Ion: 93 Resp: 4681

Ion Ratio Lower Upper

93 100

63 92.4 73.5 110.3

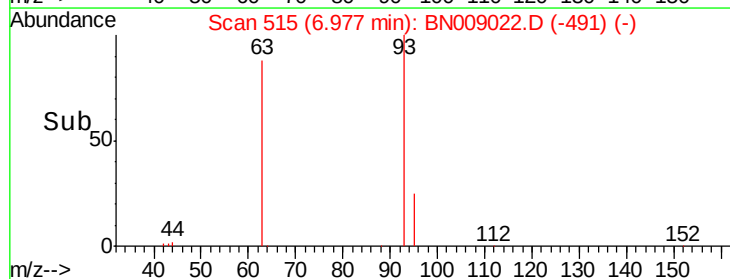
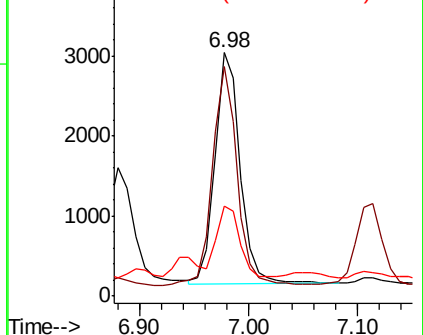
95 29.0 26.0 39.0

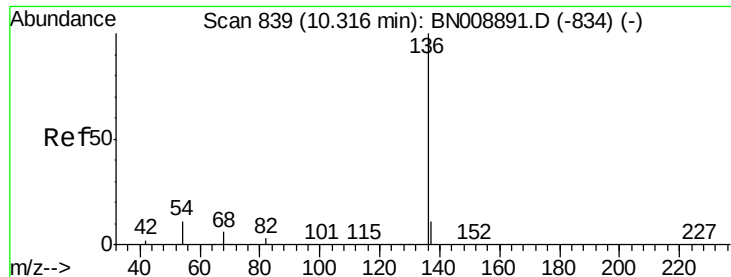


Abundance Ion 93.00 (92.70 to 93.70): BN008891.D (-514) (-)

Ion 63.00 (62.70 to 63.70): BN008891.D (-514) (-)

Ion 95.00 (94.70 to 95.70): BN008891.D (-514) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. 0.00 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMS

Tot Ion:136 Resp: 21928

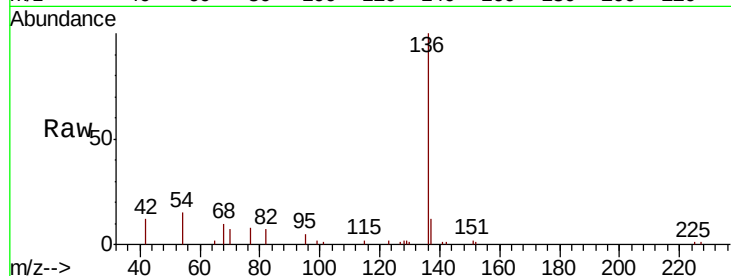
Ion Ratio Lower Upper

136 100

137 12.2 9.2 13.8

54 15.5 9.6 14.4#

68 9.8 5.6 8.4#



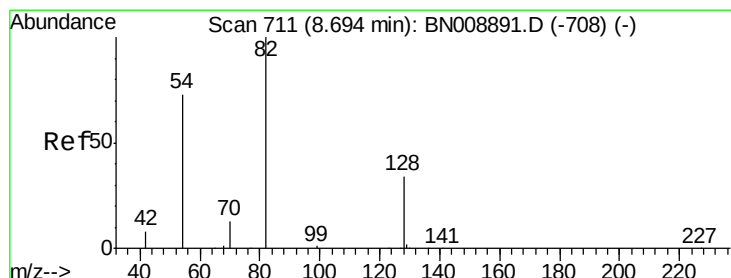
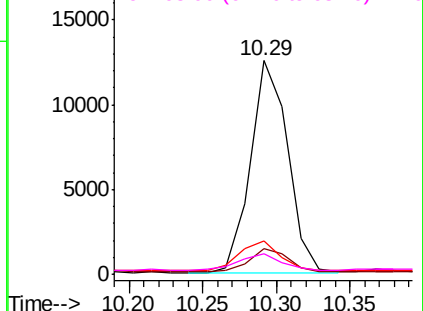
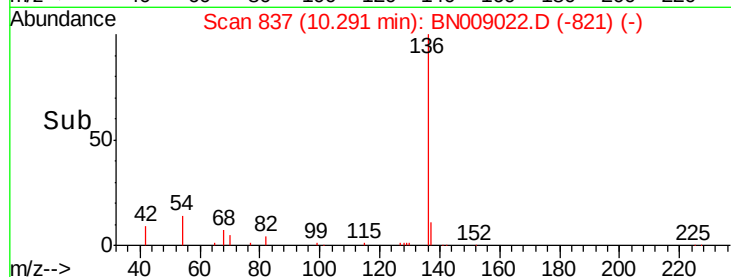
Abundance

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: 0.267 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.00 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

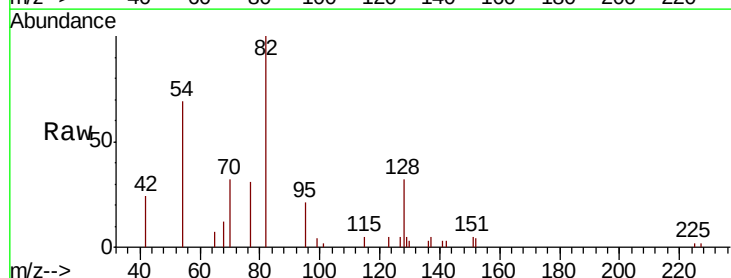
Tgt Ion: 82 Resp: 4964

Ion Ratio Lower Upper

82 100

128 31.8 29.1 43.7

54 69.0 59.7 89.5

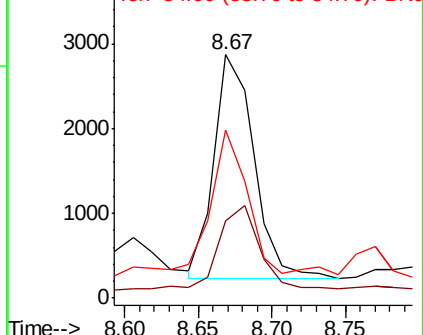
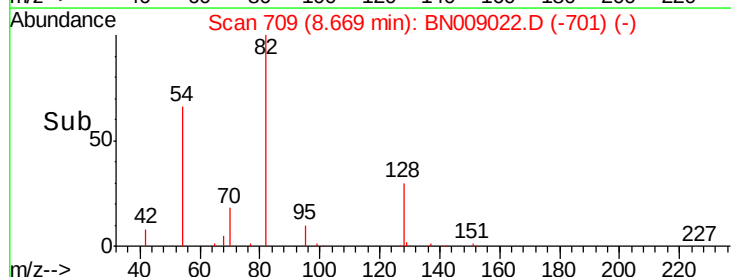


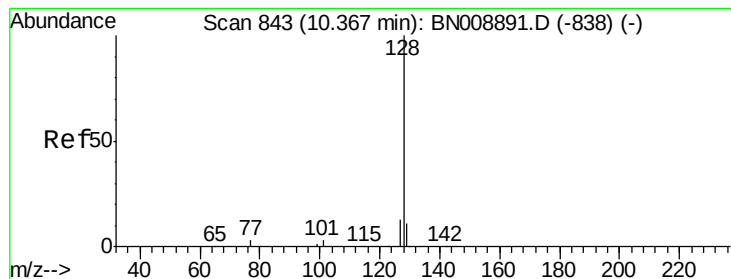
Abundance

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: 0.314 ng

RT: 10.34 min Scan# 841

Delta R.T. 0.00 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

Instrument :

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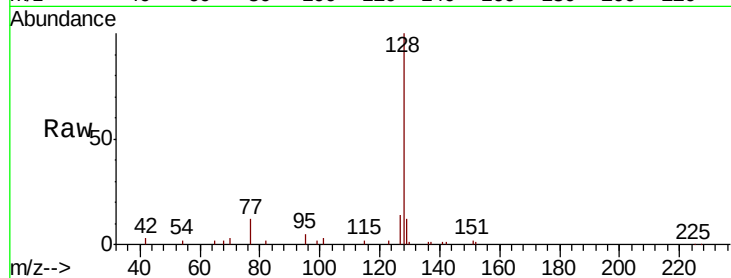
Tot Ion:128 Resp: 18787

Ion Ratio Lower Upper

128 100

129 11.9 9.4 14.0

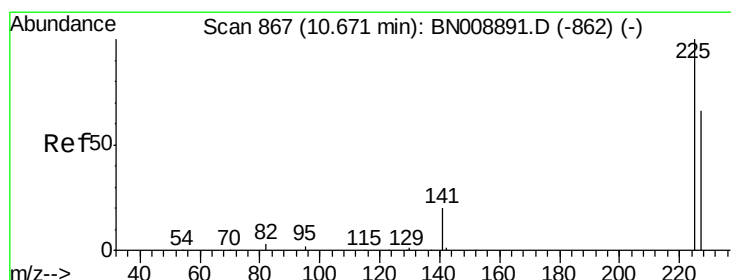
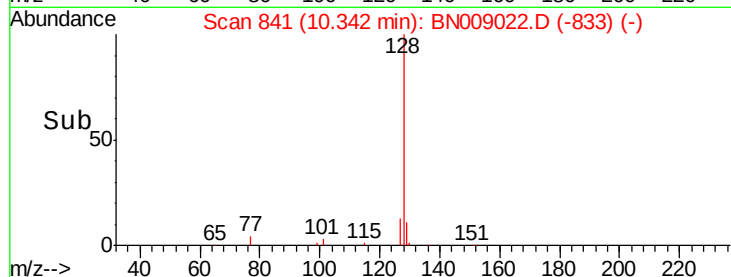
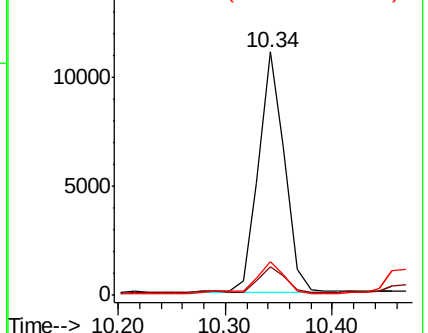
127 13.7 10.8 16.2



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: 0.265 ng

RT: 10.65 min Scan# 865

Delta R.T. 0.00 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

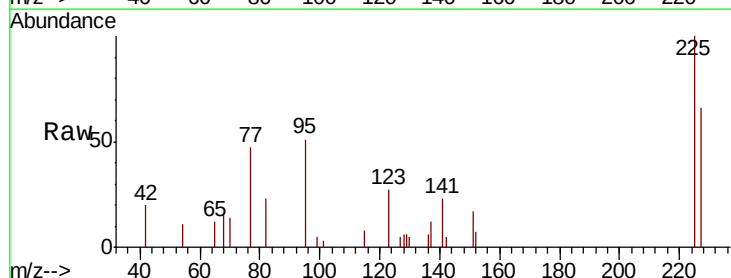
Tgt Ion:225 Resp: 3038

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

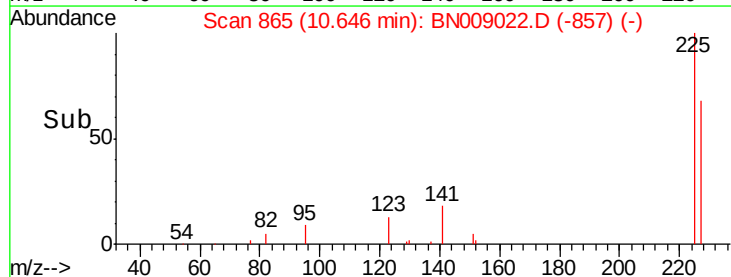
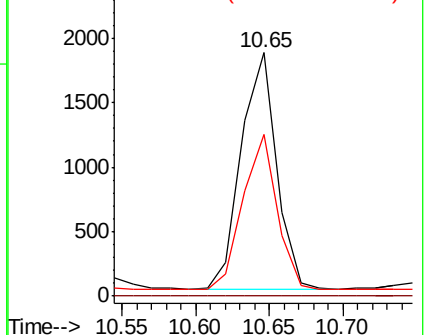
227 64.1 51.4 77.2

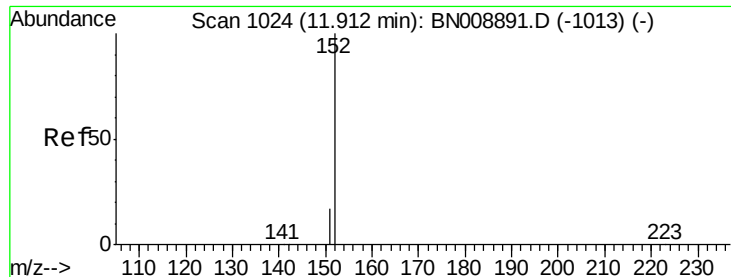


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.347 ng

RT: 11.89 min Scan# 1019

Delta R.T. 0.00 min

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Acq: 18 Dec 2019 19:28

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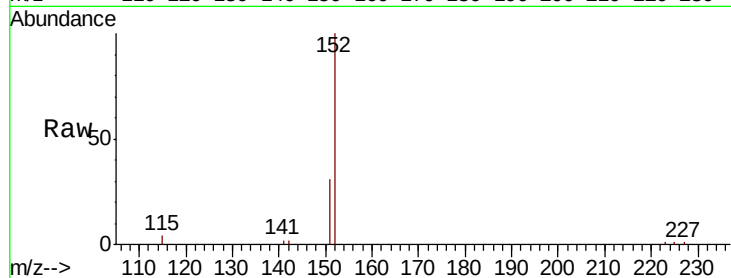
BE-216-COMP-SMS

Tot Ion:152 Resp: 13009

Ion Ratio Lower Upper

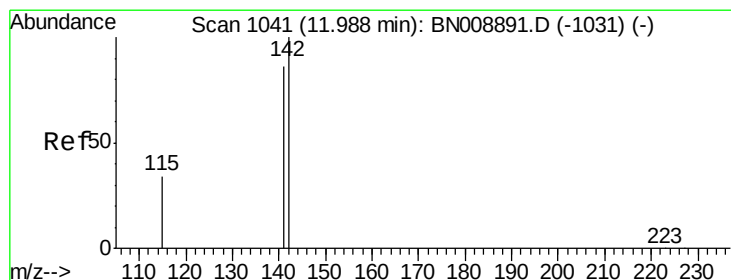
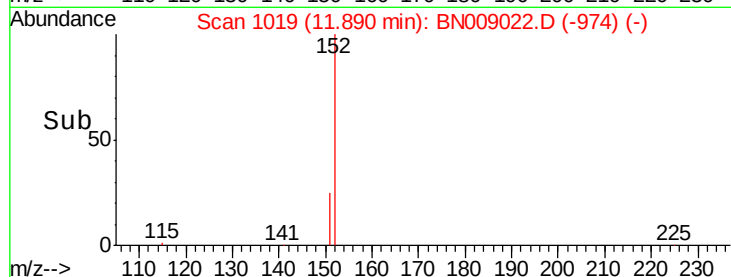
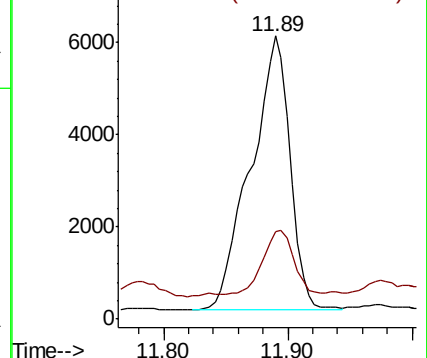
152 100

151 18.8 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.317 ng

RT: 11.97 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

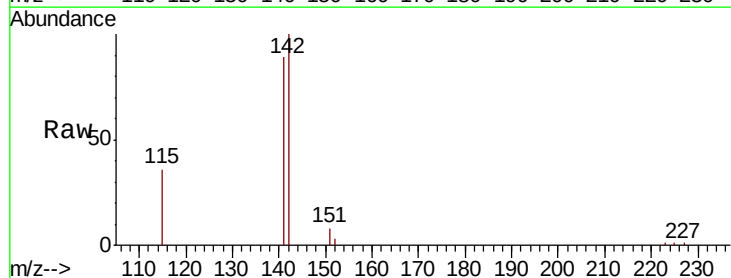
Tgt Ion:142 Resp: 14138

Ion Ratio Lower Upper

142 100

141 89.2 69.3 103.9

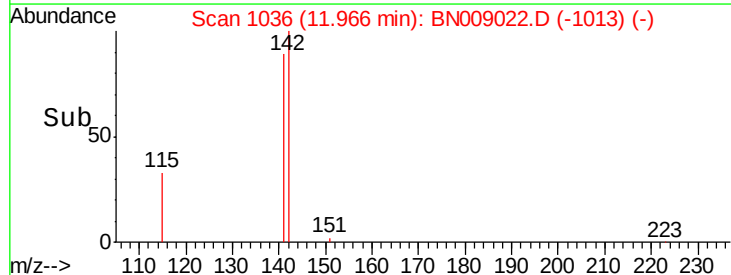
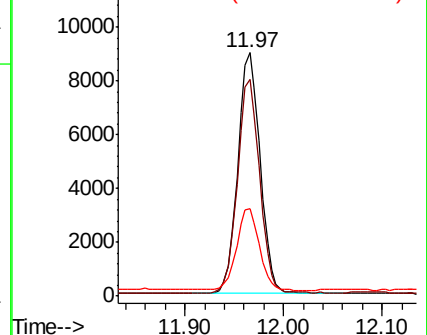
115 35.7 27.9 41.9

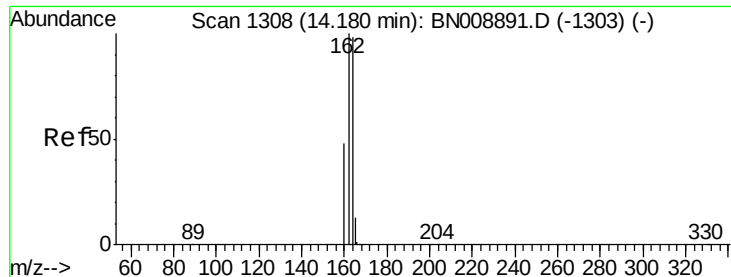


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.17 min Scan# 1307

Delta R.T. 0.00 min

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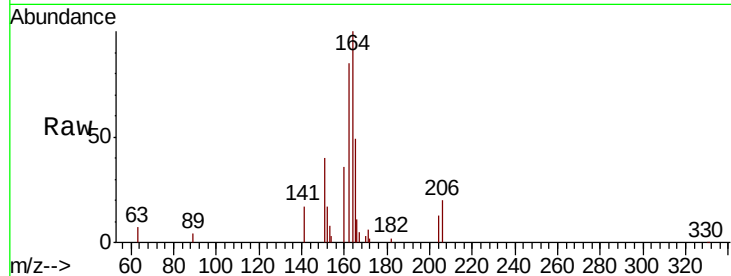
Tot Ion:164 Resp: 18046

Ion Ratio Lower Upper

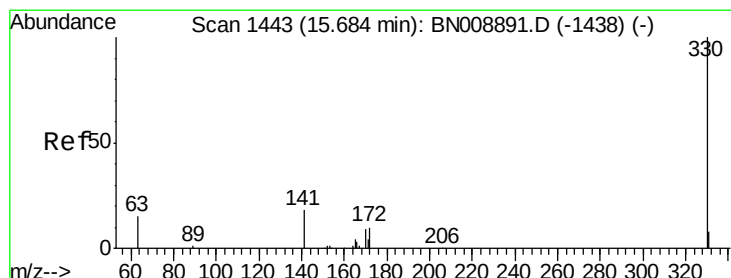
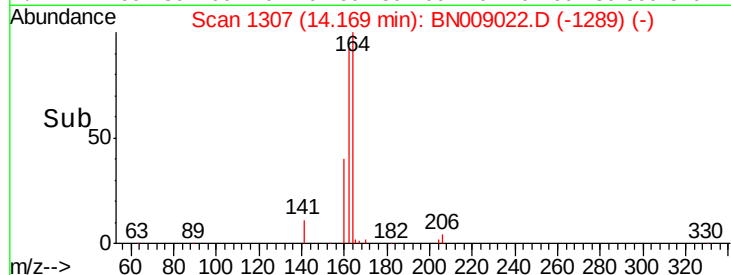
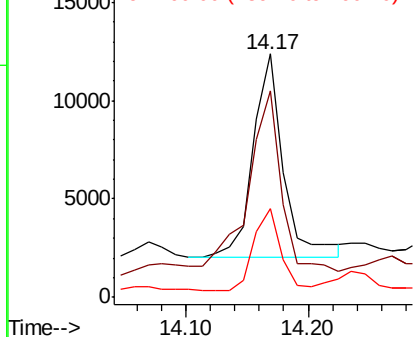
164 100

162 84.8 81.9 122.9

160 36.2 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: 0.236 ng

RT: 15.66 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

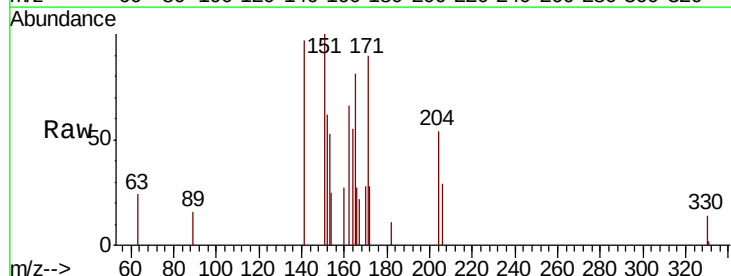
Tgt Ion:330 Resp: 2041

Ion Ratio Lower Upper

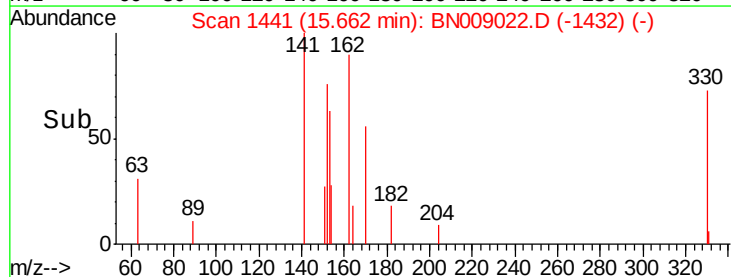
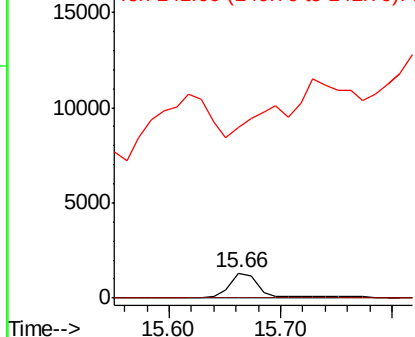
330 100

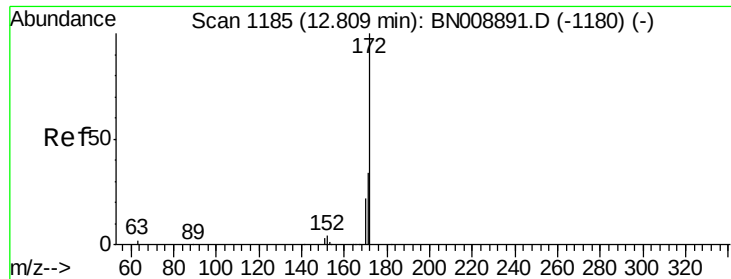
332 0.0 0.0 0.0

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

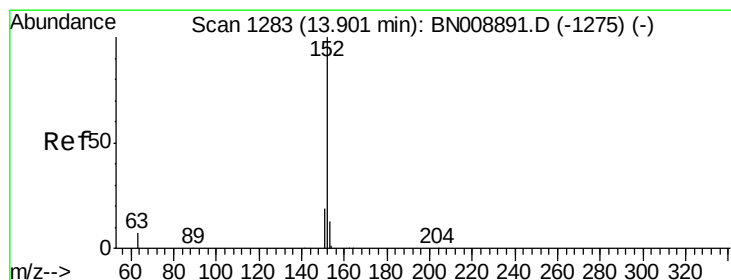
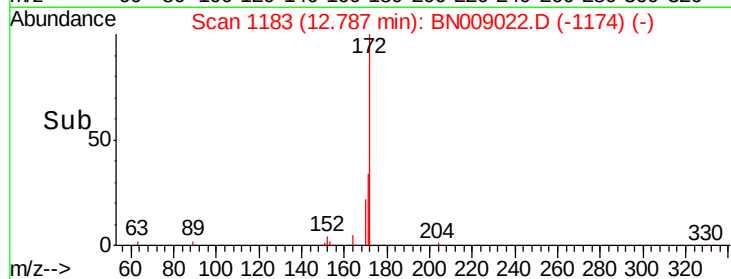
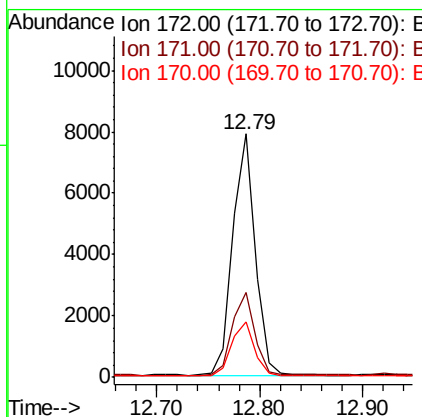
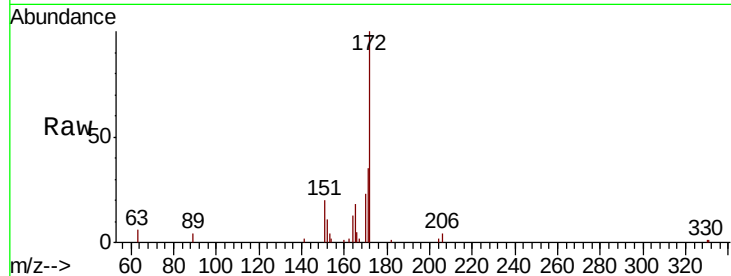




#15
2-Fluorobiphenyl
Concen: 0.173 ng
RT: 12.79 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BN009022.D
Acq: 18 Dec 2019 19:28

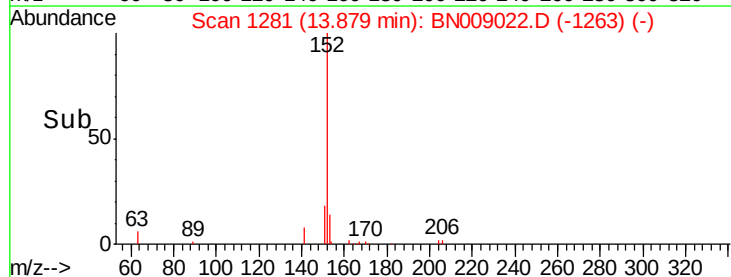
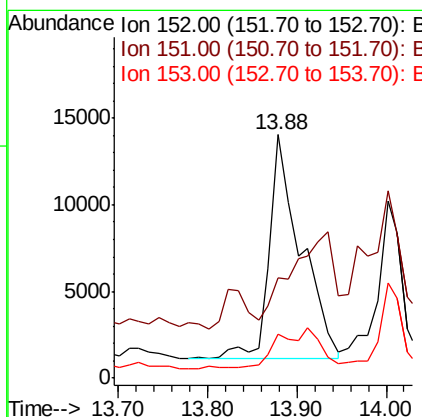
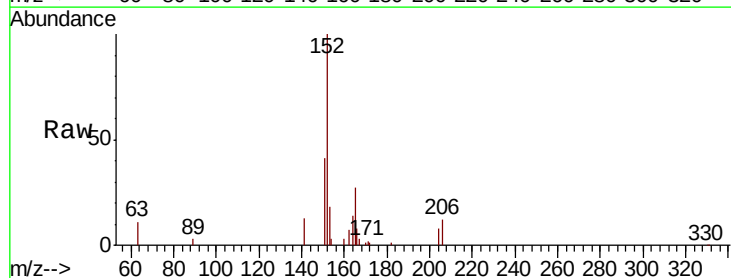
Instrument :
BNA_N
ClientSampleId :
BE-216-COMP-SMS

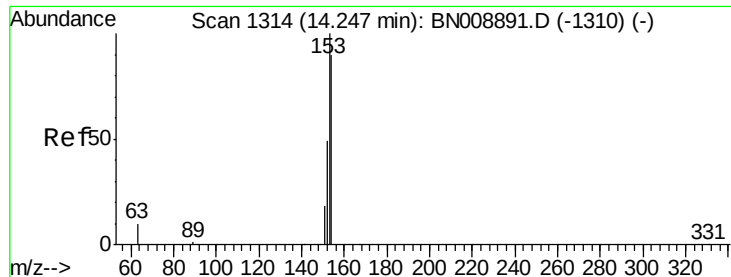
Tot Ion:172 Resp: 11884
Ion Ratio Lower Upper
172 100
171 34.9 27.1 40.7
170 22.7 17.7 26.5



#16
Acenaphthylene
Concen: 0.380 ng
RT: 13.88 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BN009022.D
Acq: 18 Dec 2019 19:28

Tgt Ion:152 Resp: 31356
Ion Ratio Lower Upper
152 100
151 0.0 15.3 22.9#
153 0.0 10.3 15.5#





#17

Acenaphthene

Concen: 0.222 ng

RT: 14.22 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMS

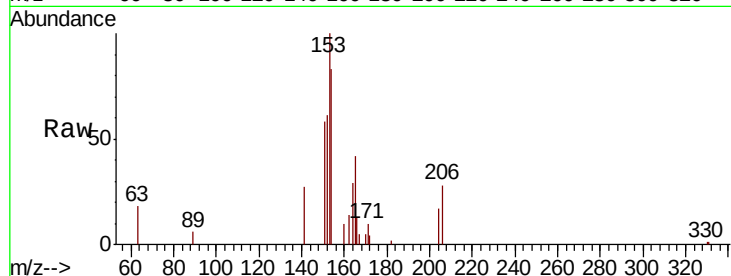
Tot Ion:154 Resp: 12150

Ion Ratio Lower Upper

154 100

153 111.9 89.2 133.8

152 85.2 44.2 66.4#

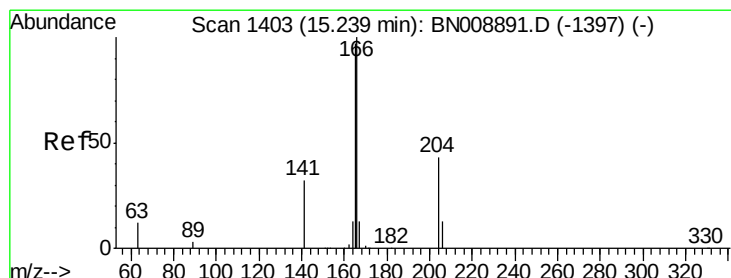
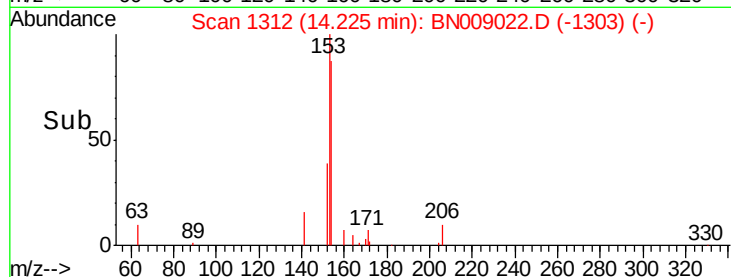
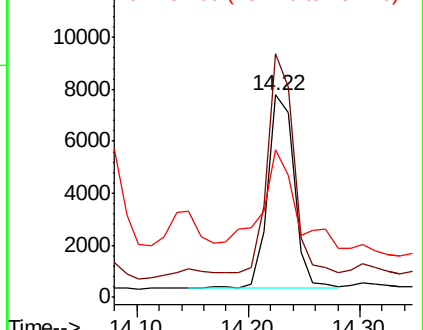


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.245 ng

RT: 15.23 min Scan# 1402

Delta R.T. 0.01 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

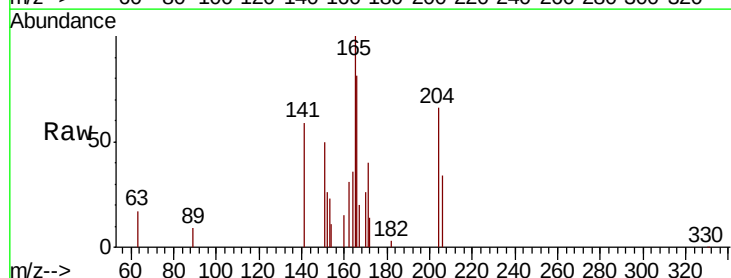
Tgt Ion:166 Resp: 18056

Ion Ratio Lower Upper

166 100

165 110.9 77.3 115.9

167 21.5 10.8 16.2#

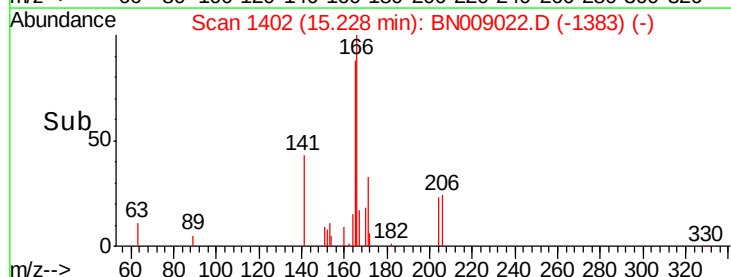
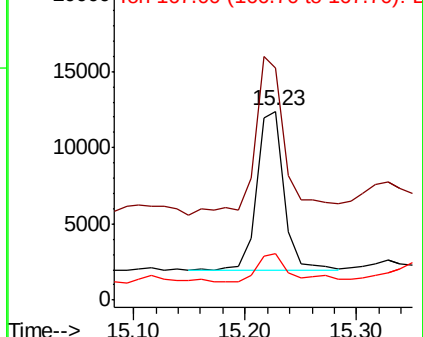


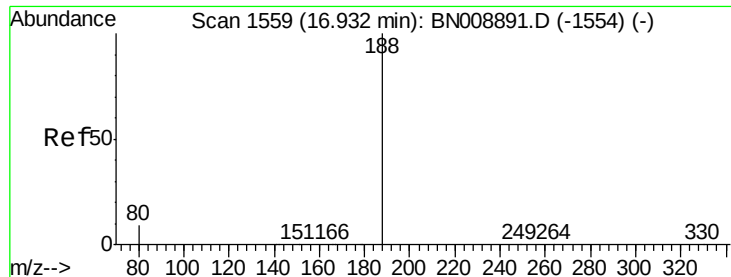
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.92 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMS

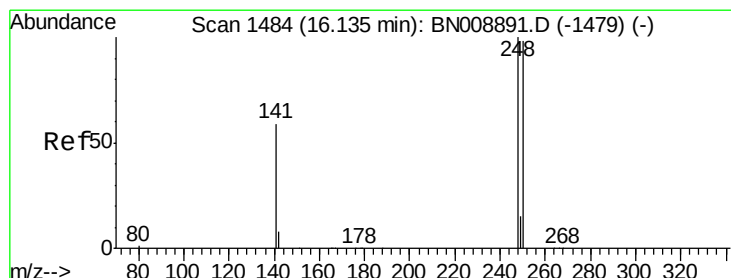
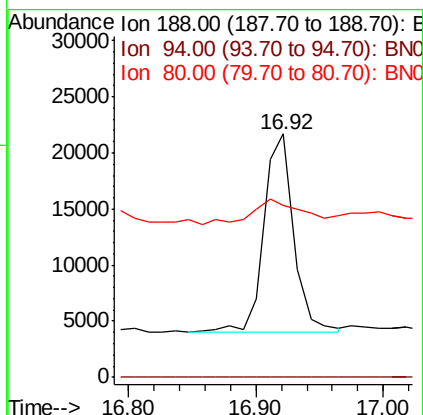
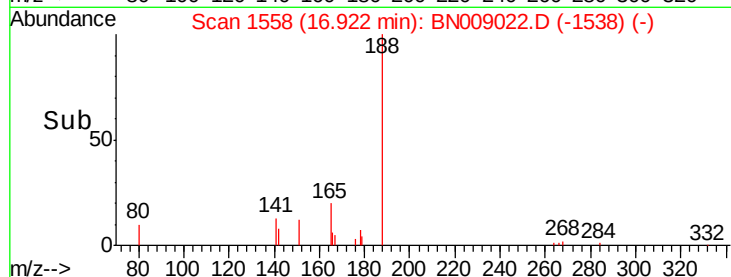
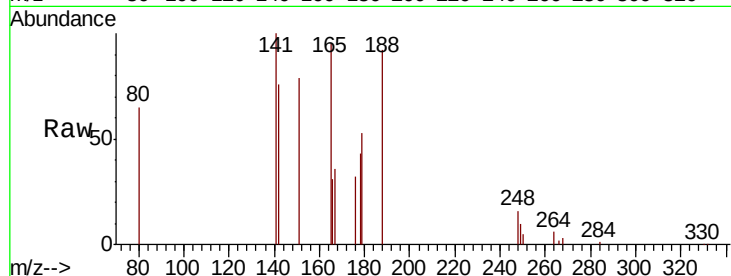
Tot Ion:188 Resp: 28260

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 70.4 7.3 10.9#



#20

4-Bromophenyl-phenylether

Concen: 0.342 ng

RT: 16.12 min Scan# 1483

Delta R.T. 0.01 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

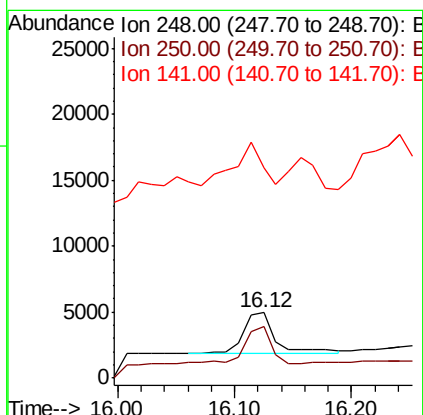
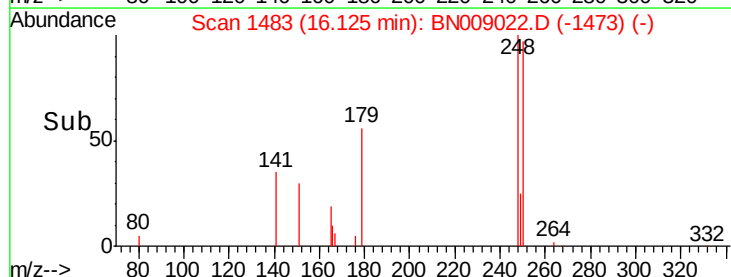
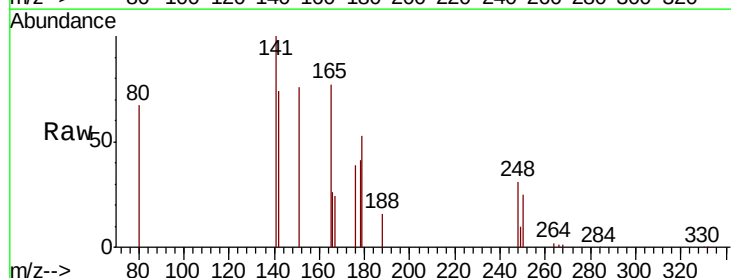
Tgt Ion:248 Resp: 5789

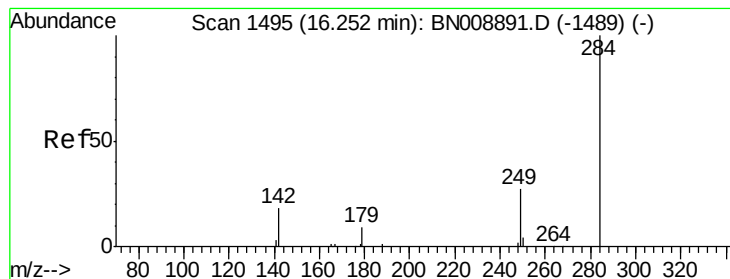
Ion Ratio Lower Upper

248 100

250 79.8 78.7 118.1

141 323.7 47.9 71.9#





#21

Hexachlorobenzene

Concen: 0.231 ng

RT: 16.23 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMS

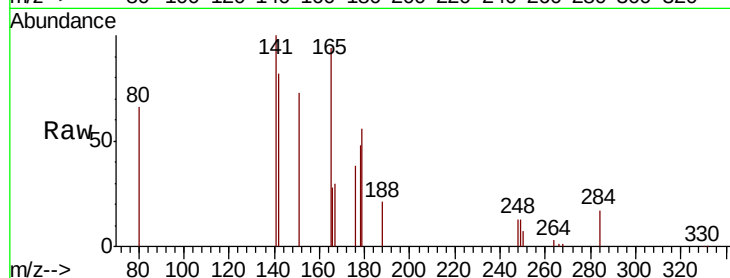
Tot Ion:284 Resp: 4439

Ion Ratio Lower Upper

284 100

142 222.5 27.8 41.6#

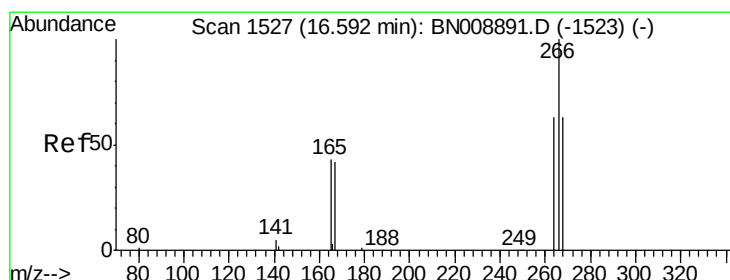
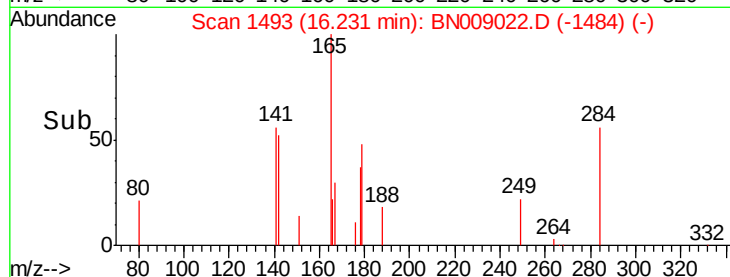
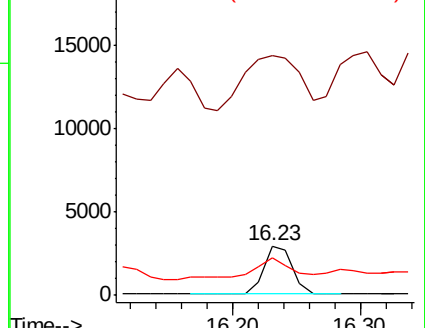
249 44.8 25.3 37.9#



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: 0.803 ng

RT: 16.58 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

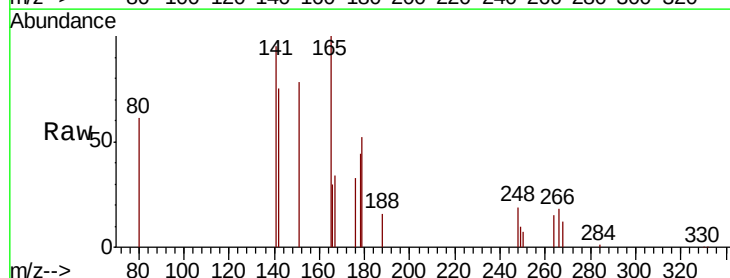
Tgt Ion:266 Resp: 5580

Ion Ratio Lower Upper

266 100

264 85.9 51.5 77.3#

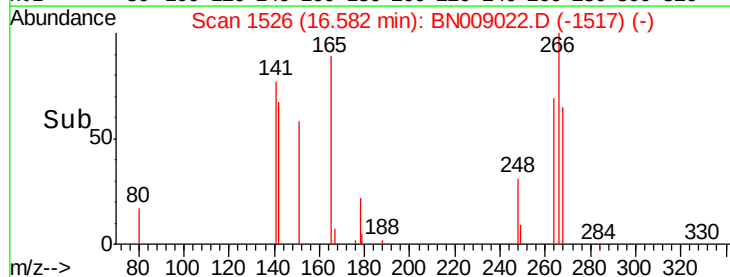
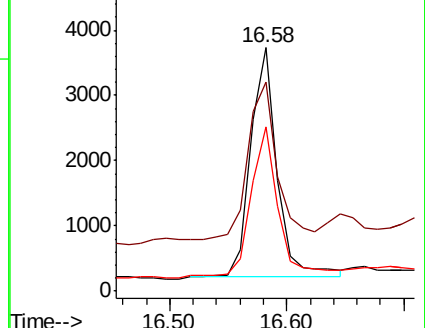
268 67.7 53.1 79.7

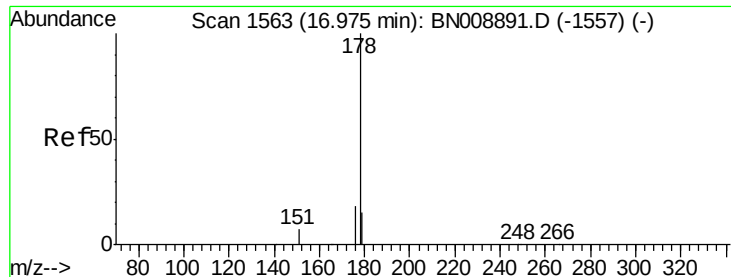


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.285 ng

RT: 17.05 min Scan# 1570

Delta R.T. 0.10 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMS

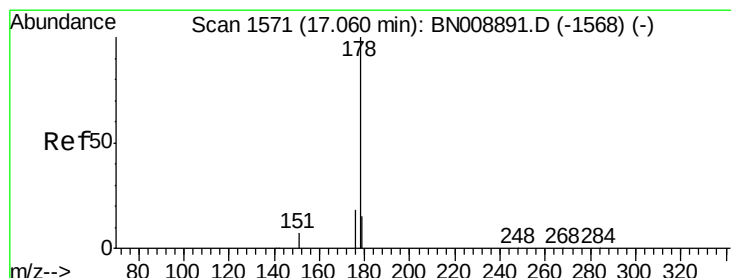
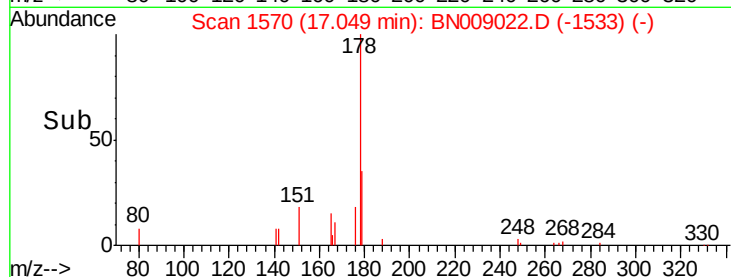
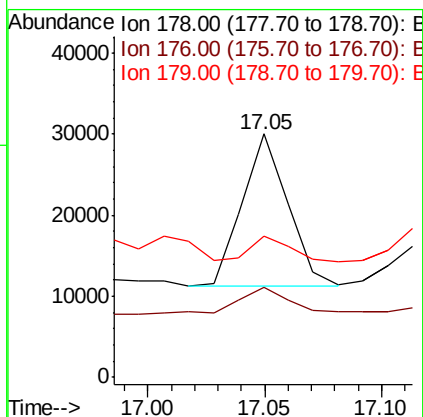
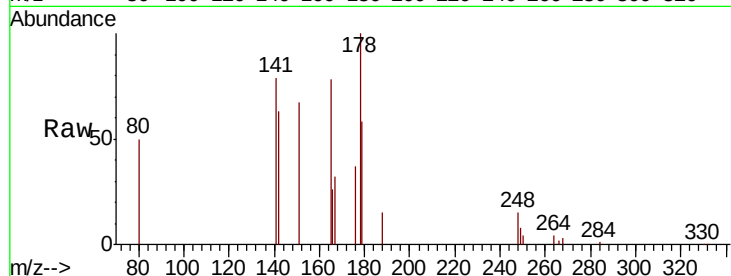
Tot Ion:178 Resp: 25347

Ion Ratio Lower Upper

178 100

176 21.4 14.9 22.3

179 14.3 12.3 18.5



#24

Anthracene

Concen: 0.324 ng

RT: 17.05 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

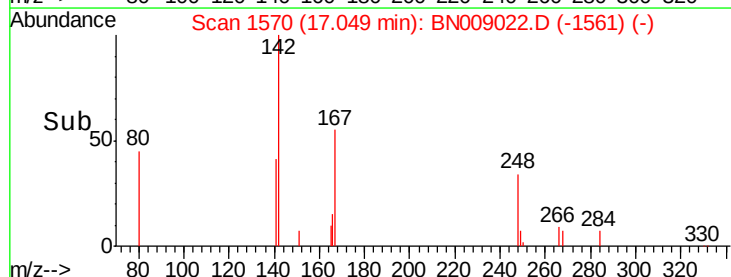
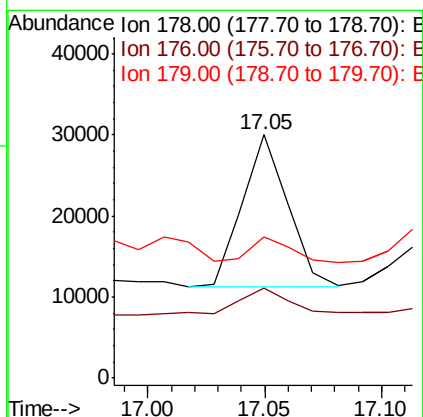
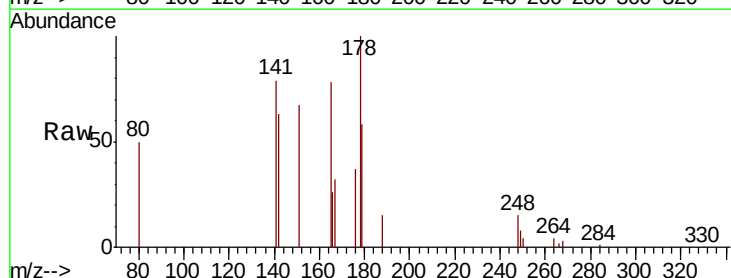
Tgt Ion:178 Resp: 25347

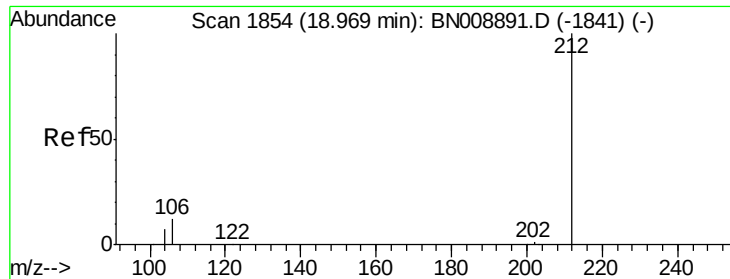
Ion Ratio Lower Upper

178 100

176 19.2 14.4 21.6

179 14.3 12.1 18.1





#25

Fluoranthene-d10

Concen: 0.233 ng

RT: 18.96 min Scan# 1852

Delta R.T. 0.01 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMS

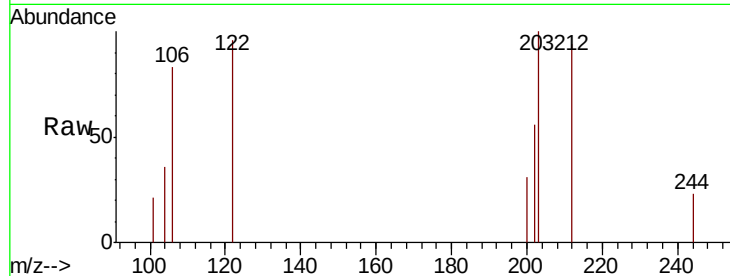
Tot Ion:212 Resp: 19913

Ion Ratio Lower Upper

212 100

106 10.0 10.4 15.6#

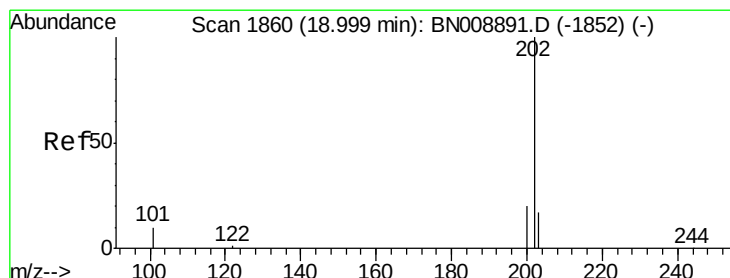
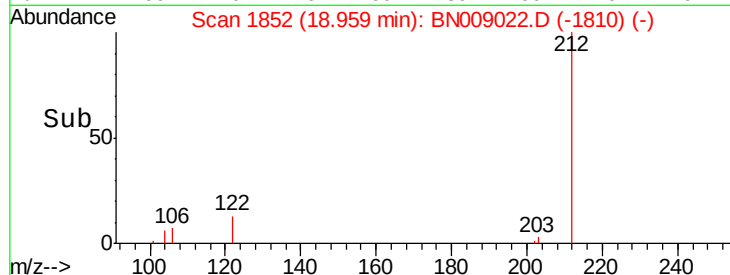
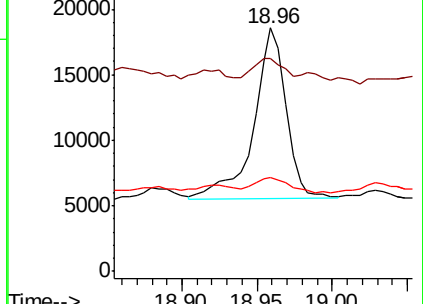
104 9.6 5.9 8.9#



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: 0.326 ng

RT: 18.99 min Scan# 1858

Delta R.T. 0.01 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

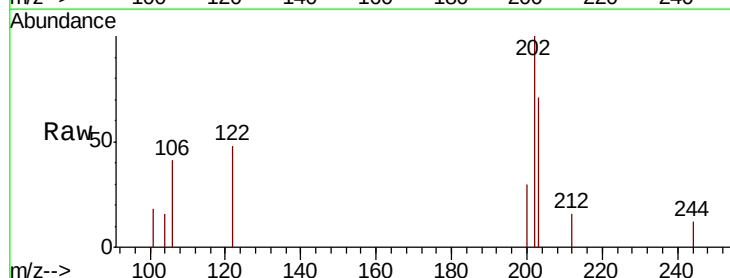
Tgt Ion:202 Resp: 34522

Ion Ratio Lower Upper

202 100

101 12.4 8.8 13.2

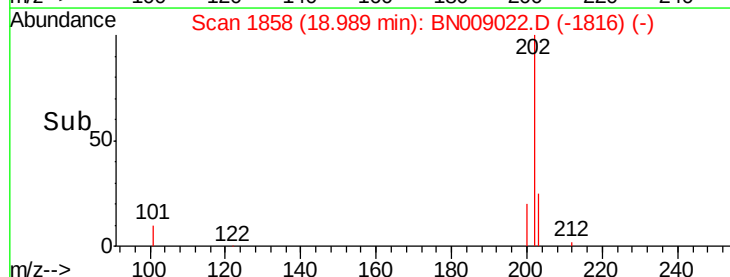
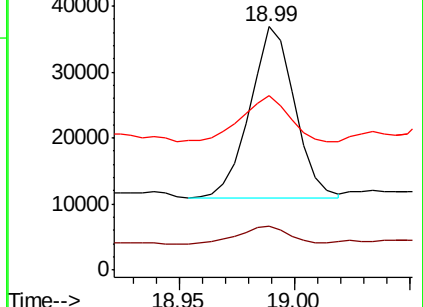
203 29.0 13.8 20.6#

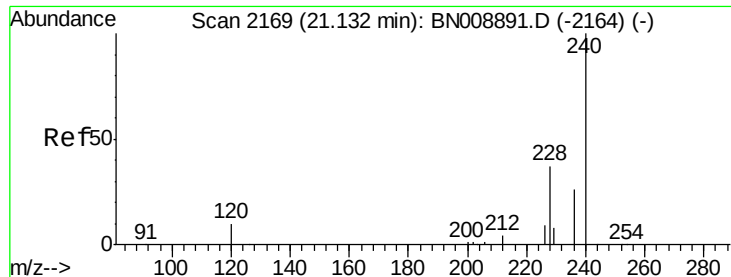


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.13 min Scan# 2169

Delta R.T. 0.01 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMS

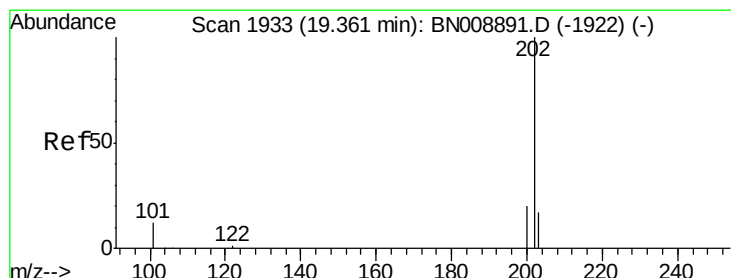
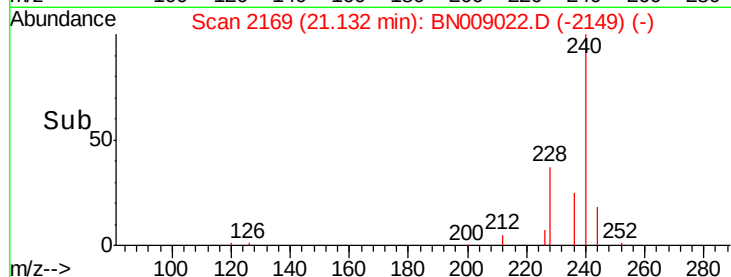
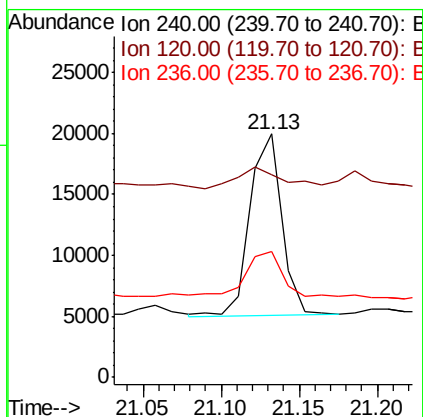
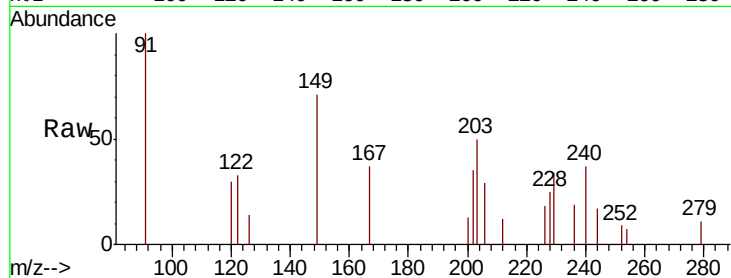
Tot Ion:240 Resp: 21083

Ion Ratio Lower Upper

240 100

120 83.0 9.1 13.7#

236 51.6 21.5 32.3#



#28

Pyrene

Concen: 0.616 ng

RT: 19.35 min Scan# 1931

Delta R.T. 0.01 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

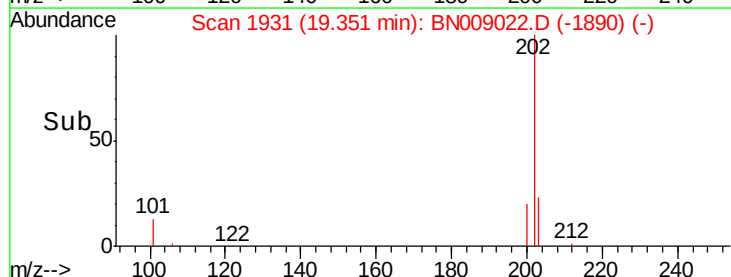
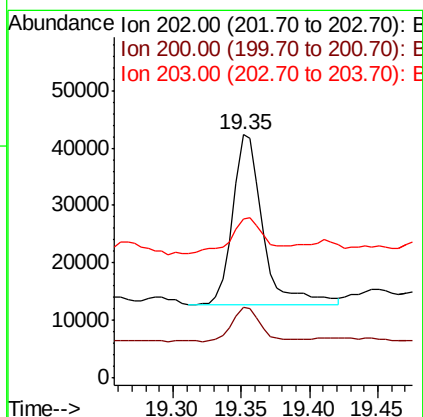
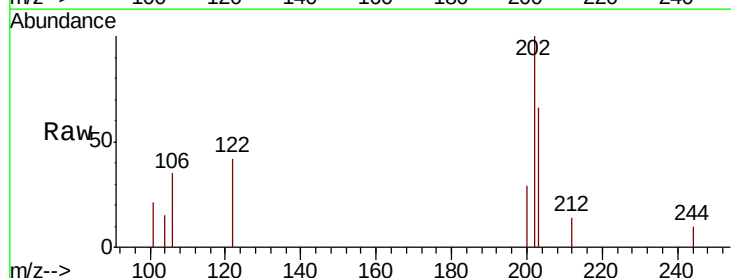
Tgt Ion:202 Resp: 45544

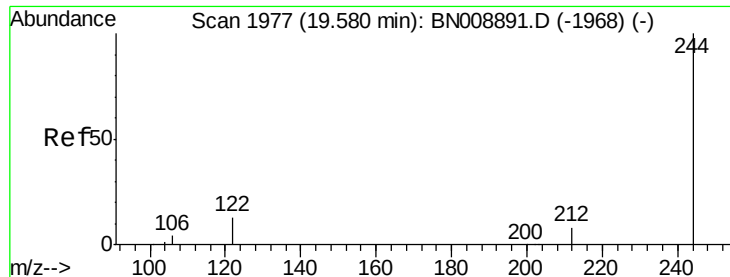
Ion Ratio Lower Upper

202 100

200 18.2 16.1 24.1

203 21.8 13.9 20.9#





#29

Terphenyl-d14

Concen: 0.269 ng

RT: 19.57 min Scan# 1976

Delta R.T. 0.01 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMS

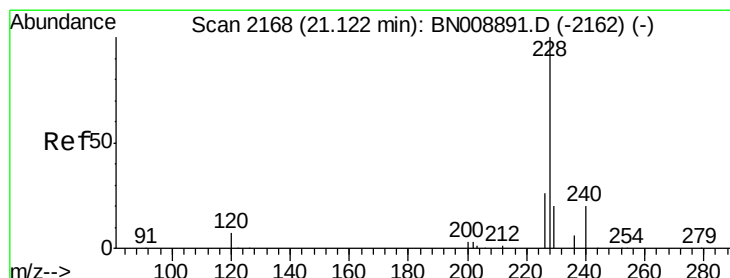
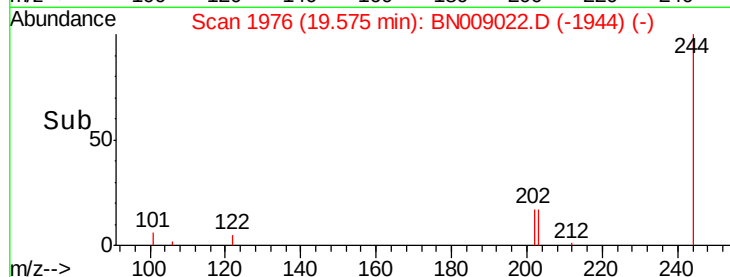
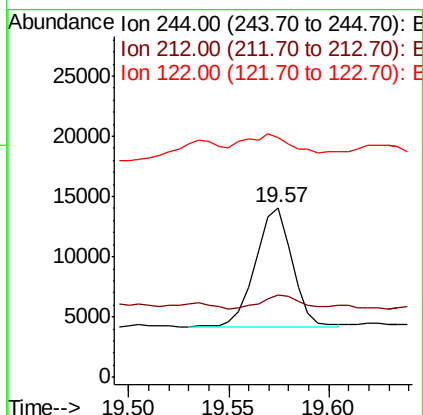
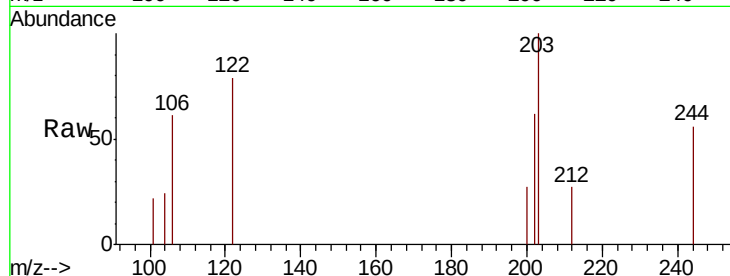
Tot Ion:244 Resp: 12934

Ion Ratio Lower Upper

244 100

212 48.8 6.5 9.7#

122 141.5 10.4 15.6#



#30

Benzo(a)anthracene

Concen: 0.422 ng

RT: 21.11 min Scan# 2167

Delta R.T. 0.01 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

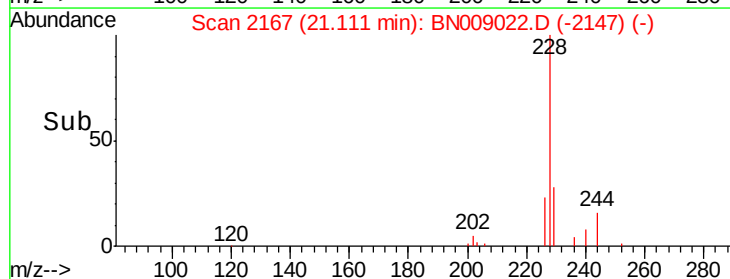
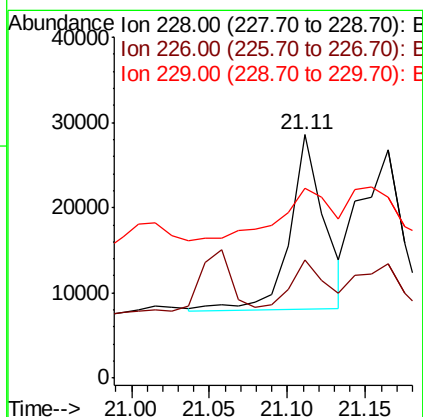
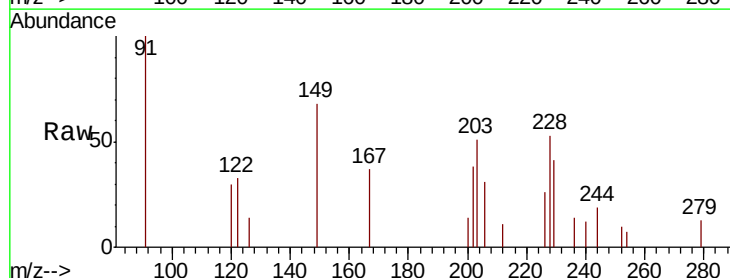
Tgt Ion:228 Resp: 31577

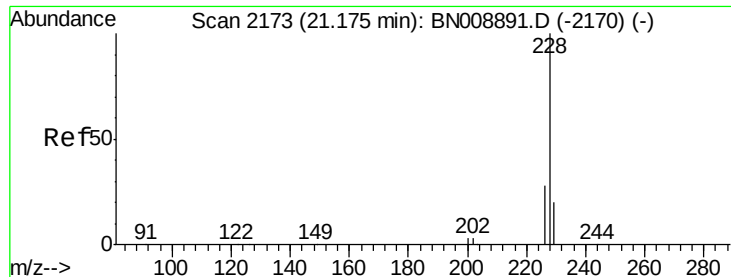
Ion Ratio Lower Upper

228 100

226 48.4 20.6 30.8#

229 77.8 15.9 23.9#





#31

Chrysene

Concen: 0.422 ng

RT: 21.16 min Scan# 2172

Delta R.T. 0.01 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMS

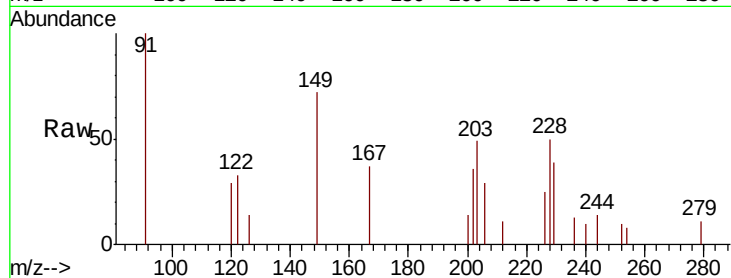
Tot Ion:228 Resp: 32726

Ion Ratio Lower Upper

228 100

226 50.2 22.2 33.4#

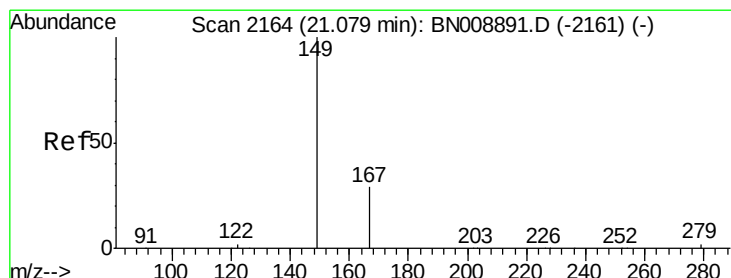
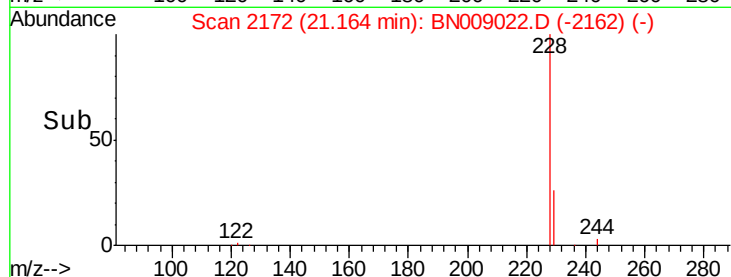
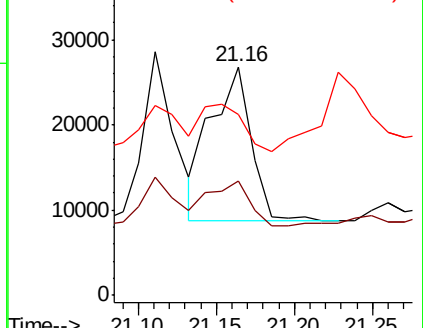
229 79.2 15.9 23.9#



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: 0.639 ng

RT: 21.07 min Scan# 2163

Delta R.T. 0.01 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

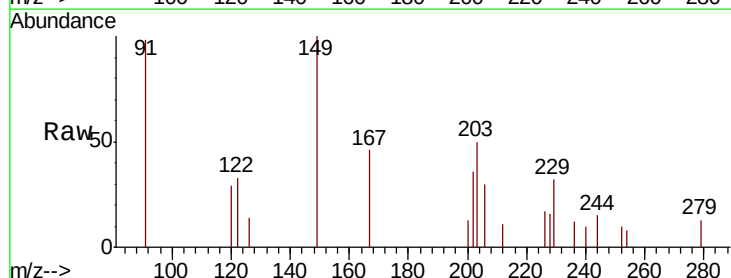
Tgt Ion:149 Resp: 22361

Ion Ratio Lower Upper

149 100

167 0.0 22.7 34.1#

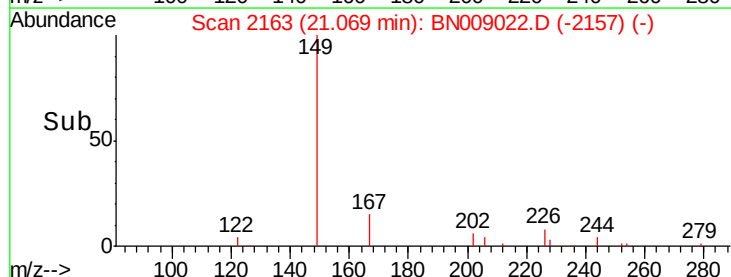
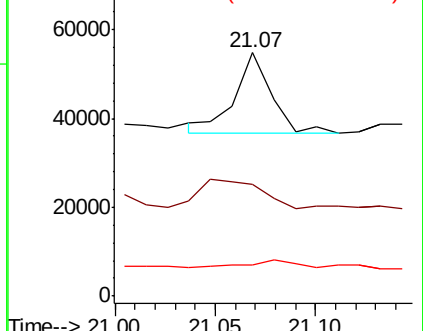
279 12.9 3.3 4.9#

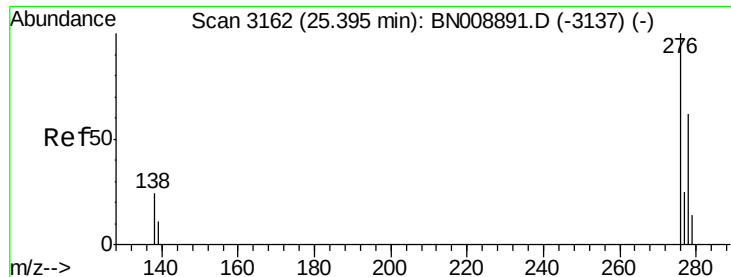


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

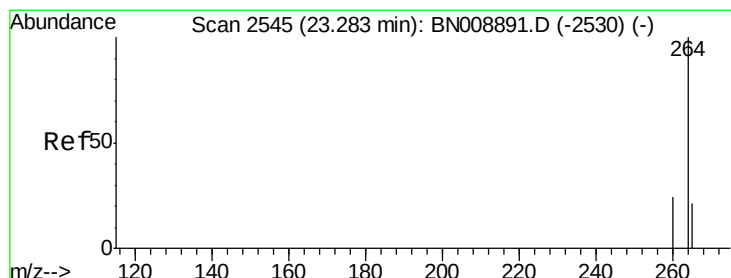
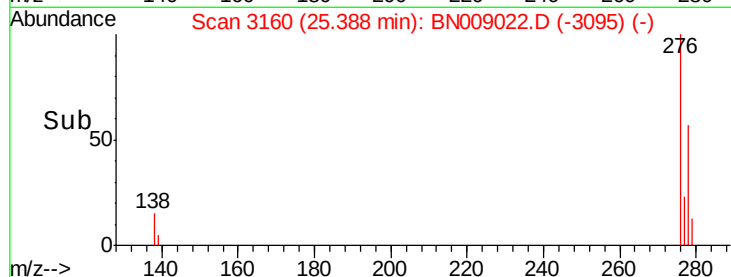
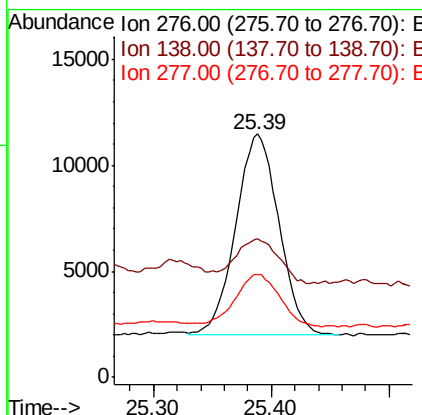
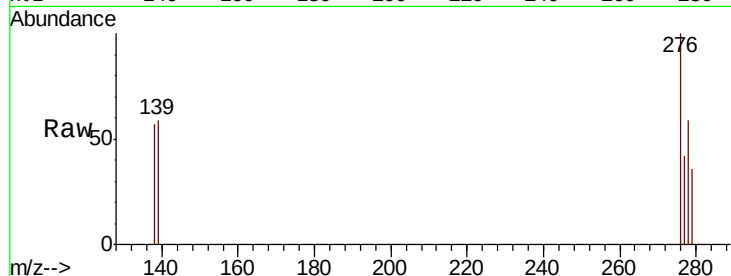




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.295 ng
 RT: 25.39 min Scan# 3160
 Delta R.T. 0.02 min
 Lab File: BN009022.D
 Acq: 18 Dec 2019 19:28

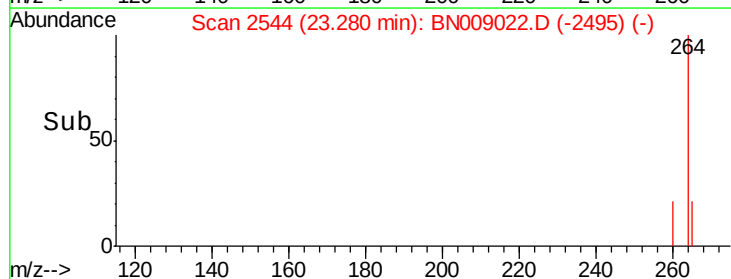
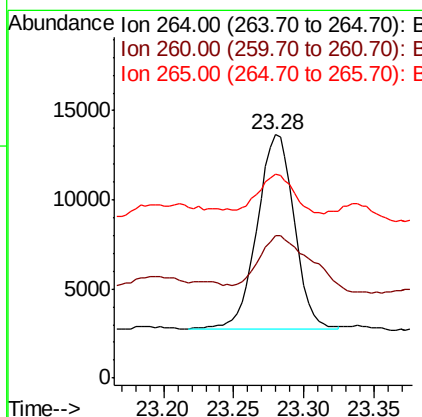
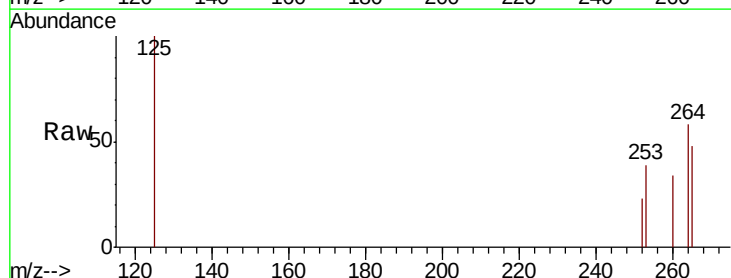
Instrument :
 BNA_N
 ClientSampleId :
 BE-216-COMP-SMS

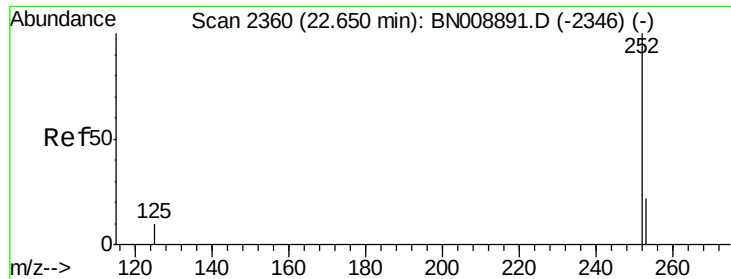
Tot Ion:276 Resp: 24229
 Ion Ratio Lower Upper
 276 100
 138 22.4 19.9 29.9
 277 26.7 19.8 29.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.28 min Scan# 2544
 Delta R.T. 0.02 min
 Lab File: BN009022.D
 Acq: 18 Dec 2019 19:28

Tgt Ion:264 Resp: 20286
 Ion Ratio Lower Upper
 264 100
 260 58.7 19.4 29.0#
 265 83.5 47.5 71.3#





#35

Benzo(b)fluoranthene

Concen: 0.363 ng

RT: 22.64 min Scan# 2358

Delta R.T. 0.01 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMS

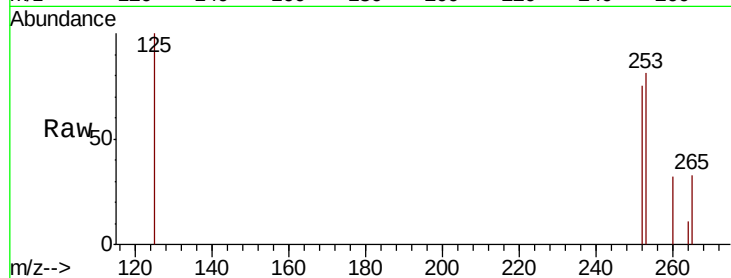
Tot Ion:252 Resp: 26338

Ion Ratio Lower Upper

252 100

253 109.1 19.8 29.6#

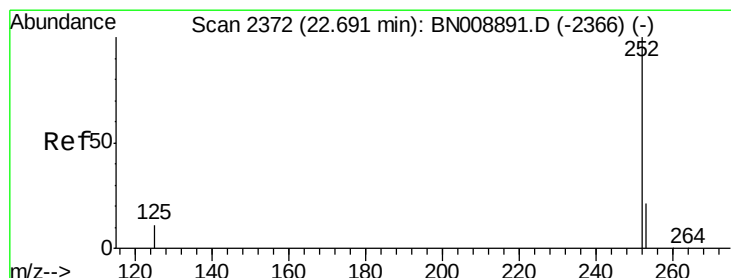
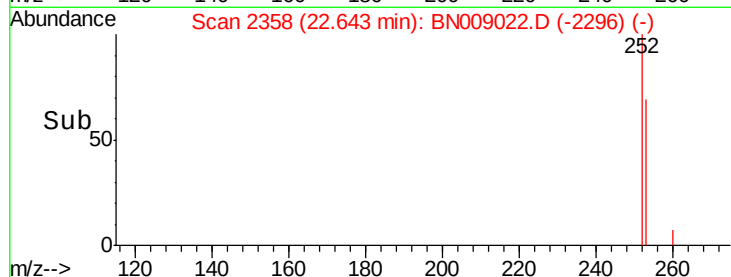
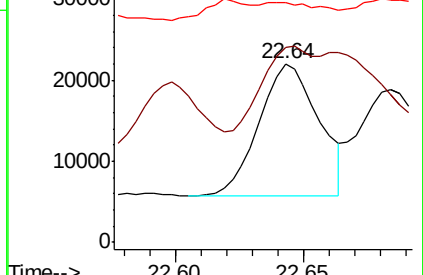
125 134.0 10.8 16.2#



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: 0.278 ng

RT: 22.68 min Scan# 2370

Delta R.T. 0.01 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

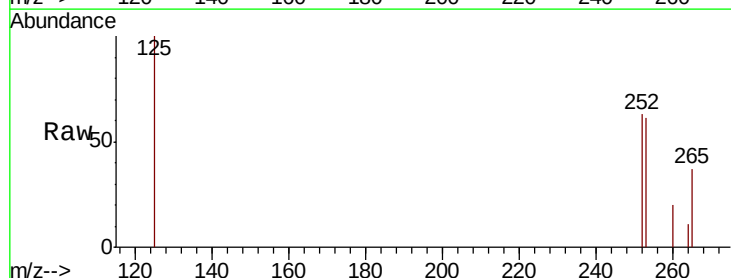
Tgt Ion:252 Resp: 20327

Ion Ratio Lower Upper

252 100

253 96.0 19.2 28.8#

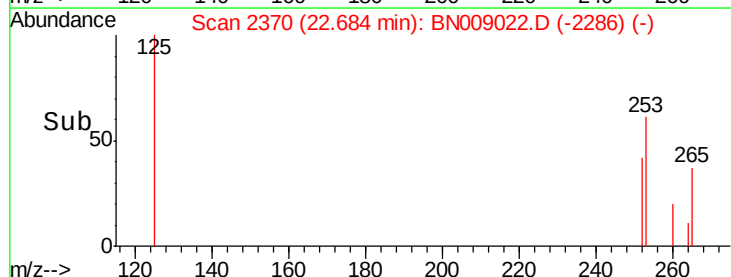
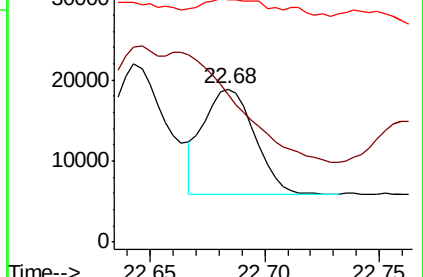
125 158.0 11.6 17.4#

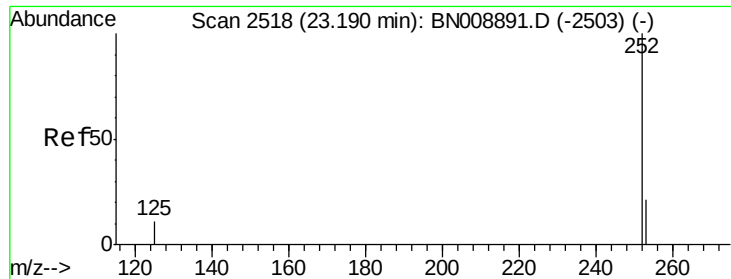


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.356 ng

RT: 23.18 min Scan# 2516

Delta R.T. 0.01 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMS

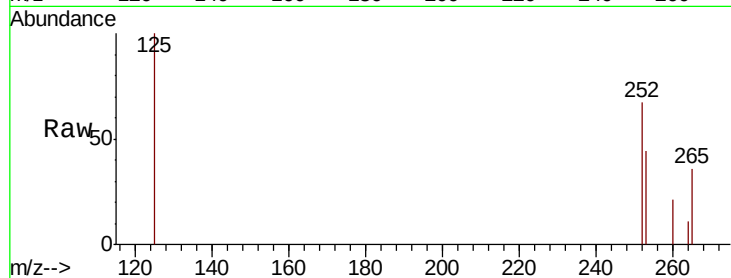
Tot Ion:252 Resp: 23217

Ion Ratio Lower Upper

252 100

253 66.0 19.9 29.9#

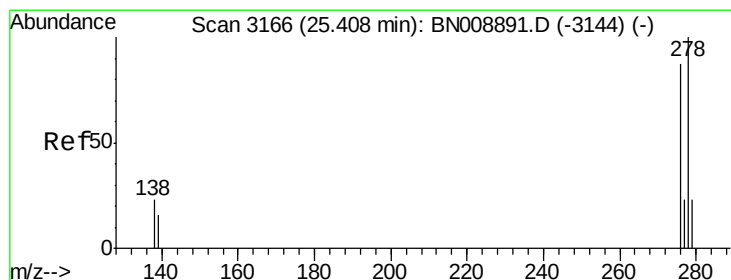
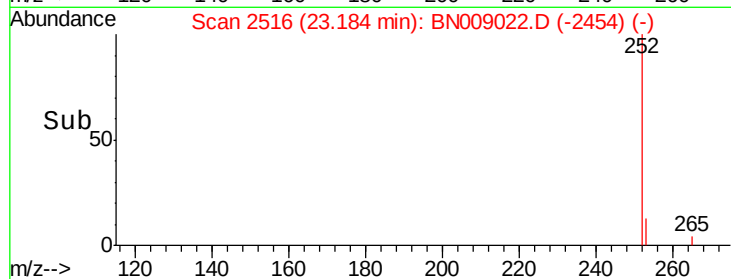
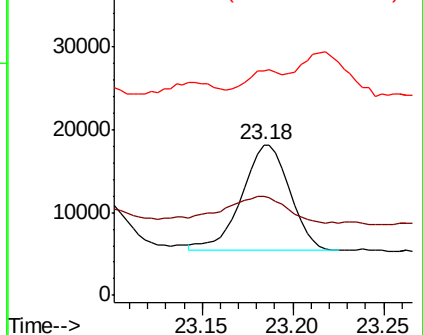
125 149.0 12.3 18.5#



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: 0.261 ng

RT: 25.40 min Scan# 3163

Delta R.T. 0.02 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

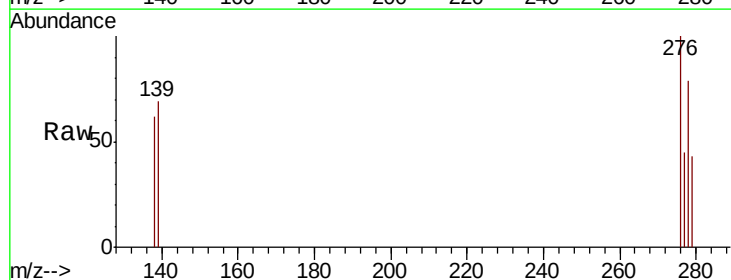
Tgt Ion:278 Resp: 15977

Ion Ratio Lower Upper

278 100

139 87.4 13.9 20.9#

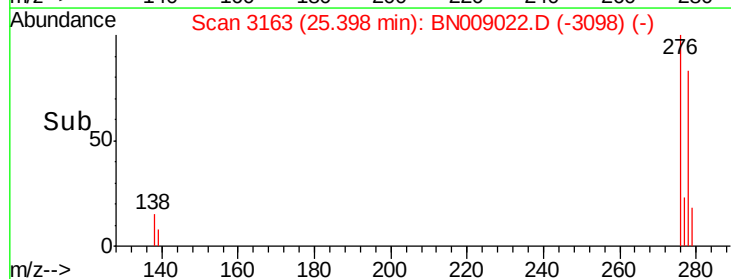
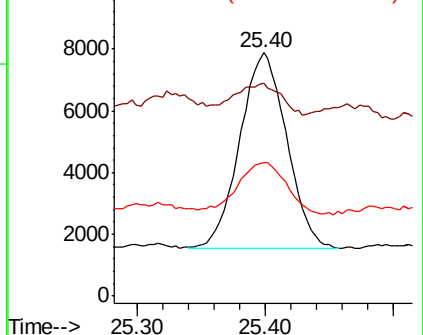
279 54.7 20.2 30.4#

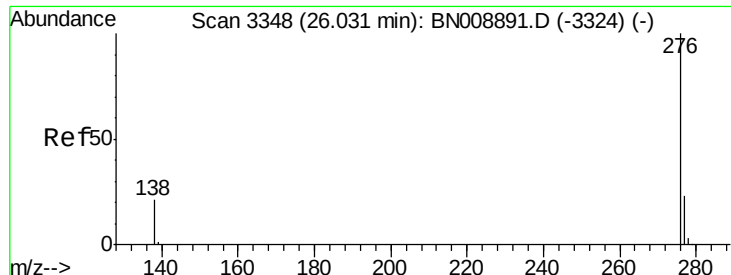


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.410 ng

RT: 26.03 min Scan# 3347

Delta R.T. 0.03 min

Lab File: BN009022.D

Acq: 18 Dec 2019 19:28

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SMS

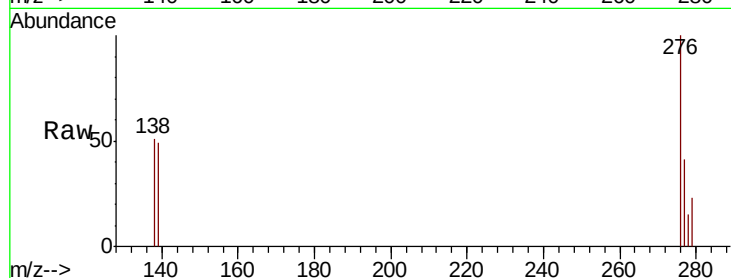
Tot Ion: 276 Resp: 24740

Ion Ratio Lower Upper

276 100

277 40.6 19.4 29.2#

138 51.5 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

