

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121819\
 Data File : BN009021.D
 Acq On : 18 Dec 2019 18:52
 Operator : JU
 Sample : K6239-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: Dec 19 10:40:08 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	4860	0.40	ng	0.00
7) Naphthalene-d8	10.29	136	18544	0.40	ng	0.00
13) Acenaphthene-d10	14.16	164	17494	0.40	ng	0.00
19) Phenanthrene-d10	16.92	188	28452	0.40	ng	0.00
27) Chrysene-d12	21.13	240	20099	0.40	ng	0.01
34) Perylene-d12	23.28	264	18498	0.40	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	2958	0.24	ng	0.00
5) Phenol-d6	6.74	99	4189	0.25	ng	0.00
8) Nitrobenzene-d5	8.67	82	4133	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	11.89	152	7486	0.24	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	1542	0.18	ng	0.00
15) 2-Fluorobiphenyl	12.78	172	10196	0.15	ng	0.00
25) Fluoranthene-d10	18.96	212	20341	0.24	ng	0.01
29) Terphenyl-d14	19.58	244	12914	0.28	ng	0.01

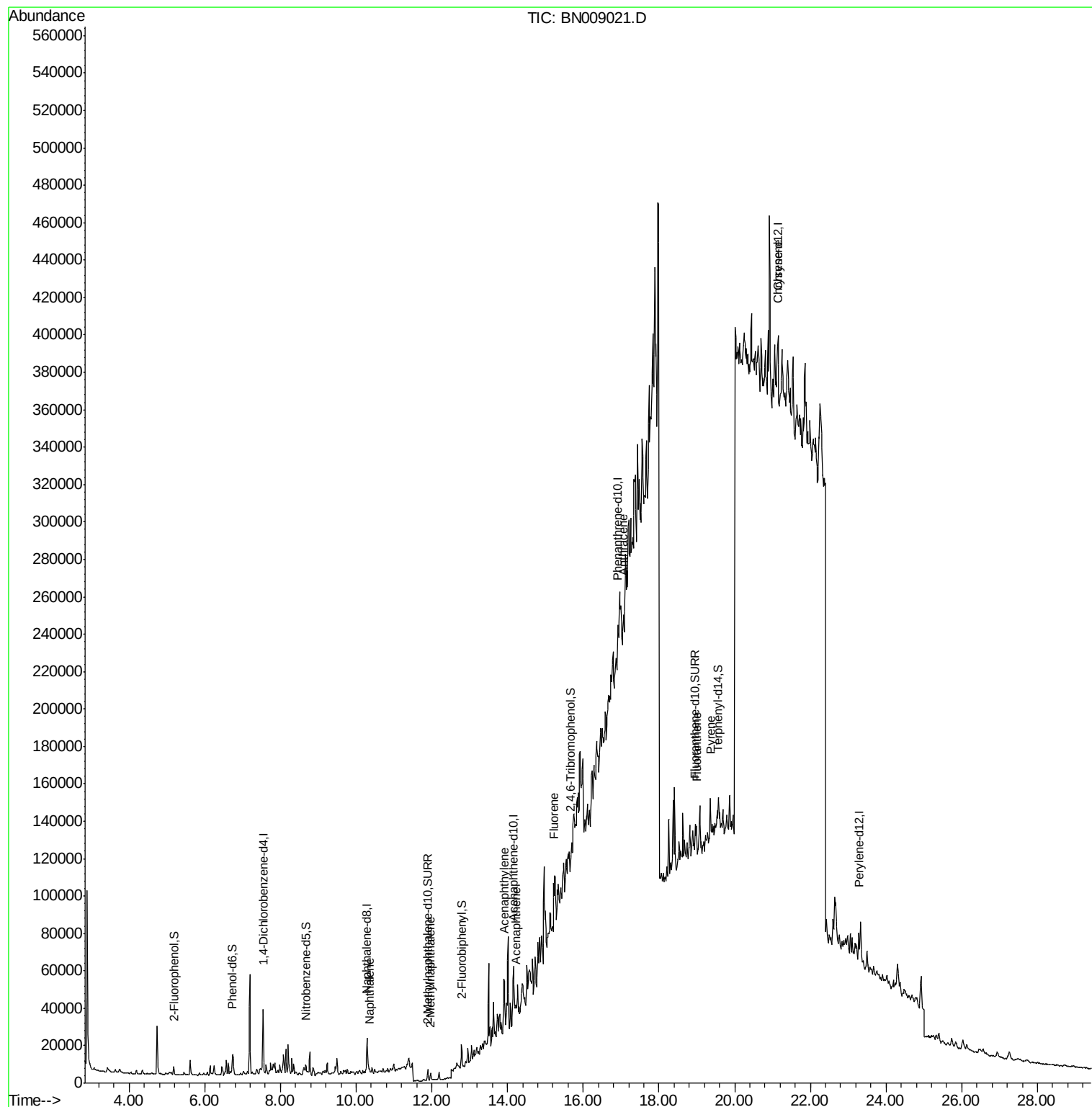
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.34	128	3253	0.064	ng	# 91
12) 2-Methylnaphthalene	11.97	142	2532	0.067	ng	# 92
16) Acenaphthylene	13.91	152	17812	0.223	ng	# 62
17) Acenaphthene	14.23	154	1677	0.032	ng	# 73
18) Fluorene	15.22	166	5667	0.079	ng	# 84
24) Anthracene	17.06	178	7445	0.094	ng	# 89
26) Fluoranthene	18.99	202	13956	0.131	ng	# 29
28) Pyrene	19.36	202	28421	0.404	ng	# 88
31) Chrysene	21.14	228	26688	0.361	ng	# 1

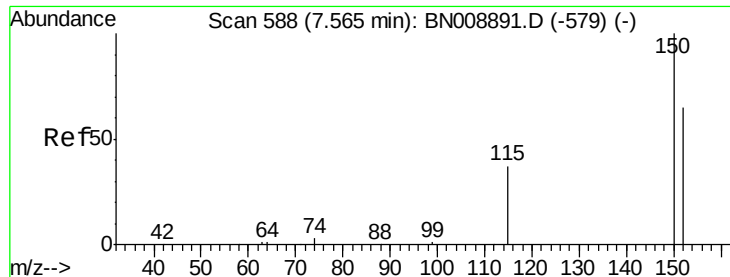
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN009021.D

Acq: 18 Dec 2019 18:52

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SRE

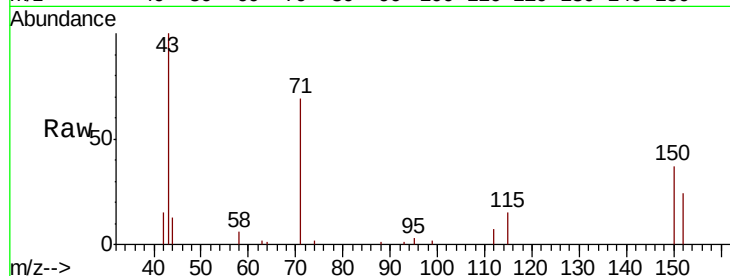
Tot Ion:152 Resp: 4860

Ion Ratio Lower Upper

152 100

150 154.1 122.3 183.5

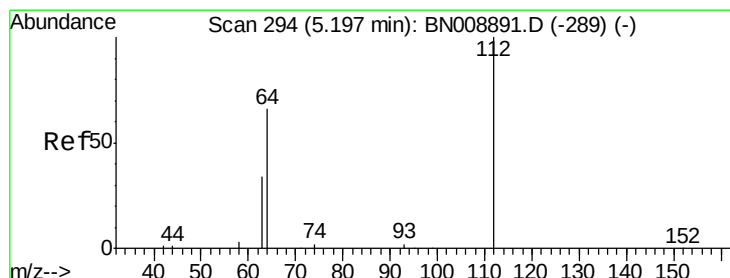
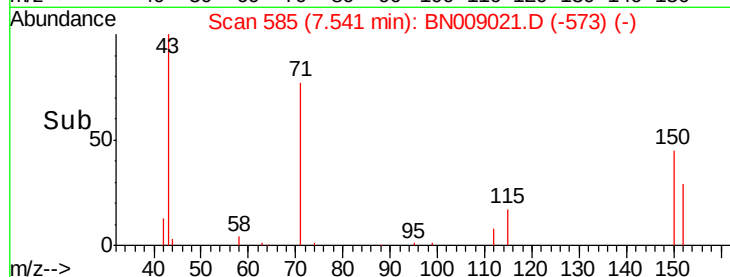
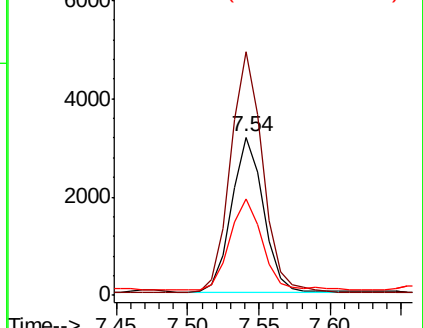
115 61.2 48.4 72.6



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



#4

2-Fluorophenol

Concen: 0.239 ng

RT: 5.18 min Scan# 292

Delta R.T. 0.00 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

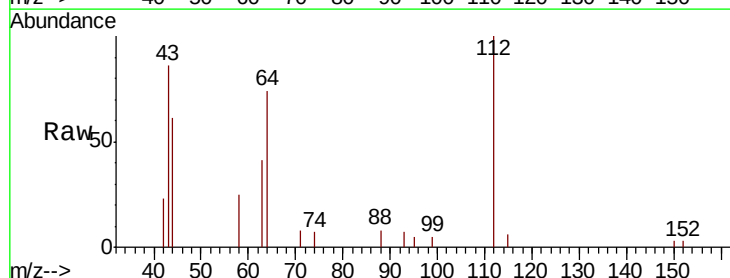
Tgt Ion:112 Resp: 2958

Ion Ratio Lower Upper

112 100

64 72.9 57.7 86.5

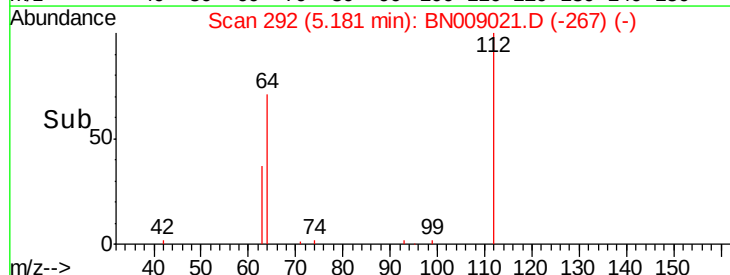
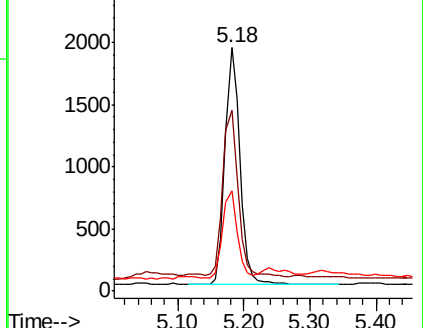
63 35.4 29.6 44.4

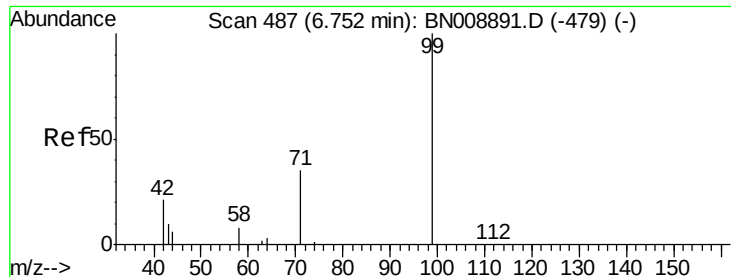


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.245 ng

RT: 6.74 min Scan# 485

Delta R.T. 0.01 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SRE

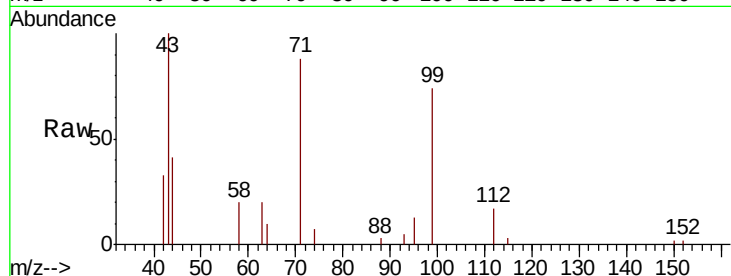
Tot Ion: 99 Resp: 4189

Ion Ratio Lower Upper

99 100

42 84.6 20.1 30.1#

71 119.0 28.2 42.2#

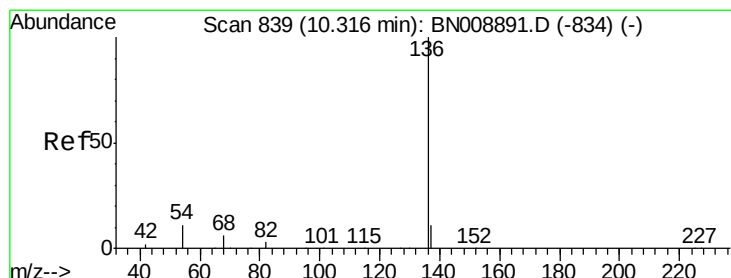
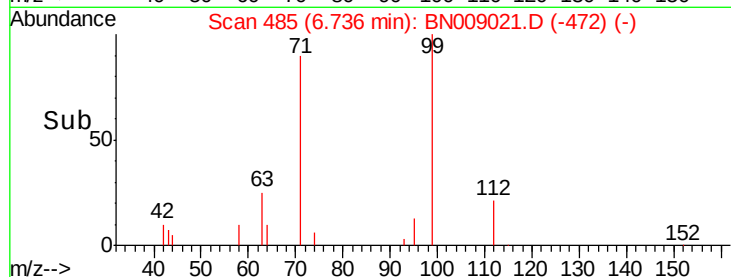
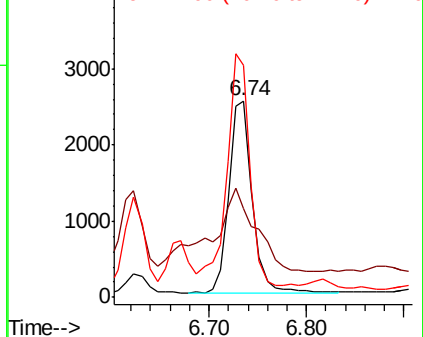


Abundance

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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.29 min Scan# 837

Delta R.T. 0.00 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

Tgt Ion: 136 Resp: 18544

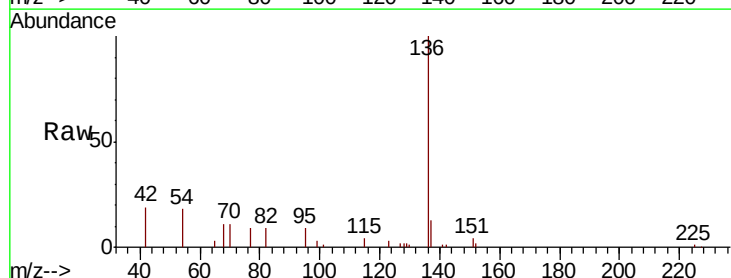
Ion Ratio Lower Upper

136 100

137 12.8 9.2 13.8

54 18.5 9.6 14.4#

68 11.2 5.6 8.4#



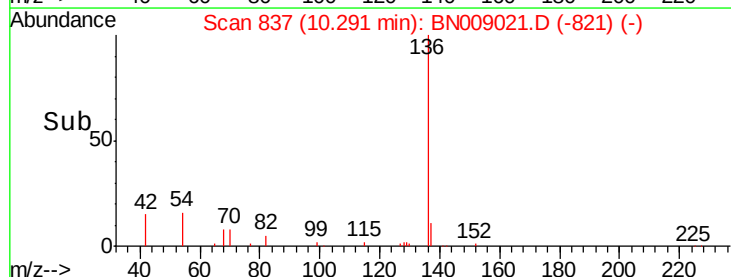
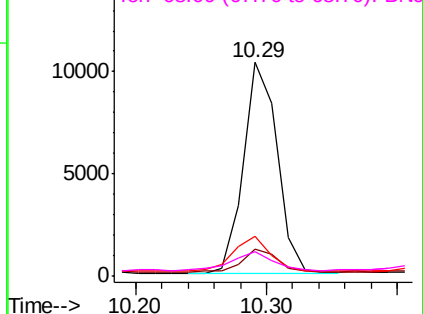
Abundance

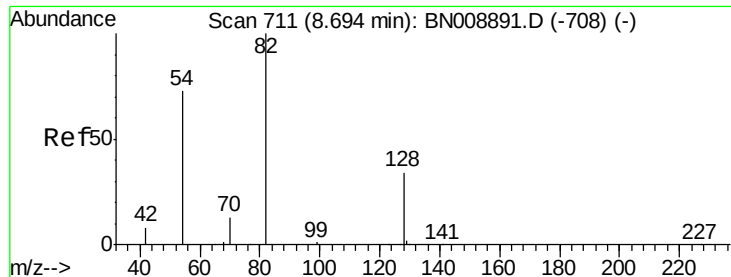
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BN0

Ion 68.00 (67.70 to 68.70): BN0

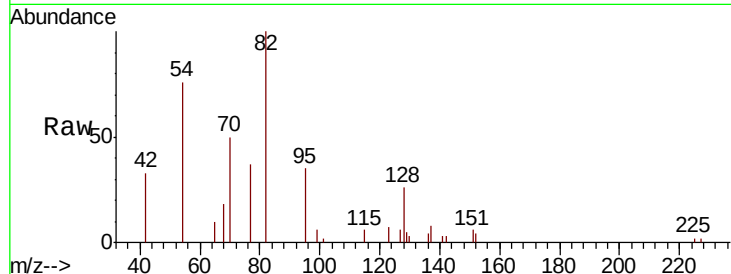




#8
 Nitrobenzene-d5
 Concen: 0.263 ng
 RT: 8.67 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: BN009021.D
 Acq: 18 Dec 2019 18:52

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	26.2	29.1	43.7#
54	75.9	59.7	89.5

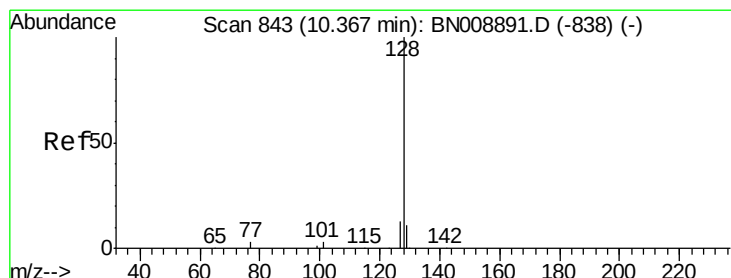
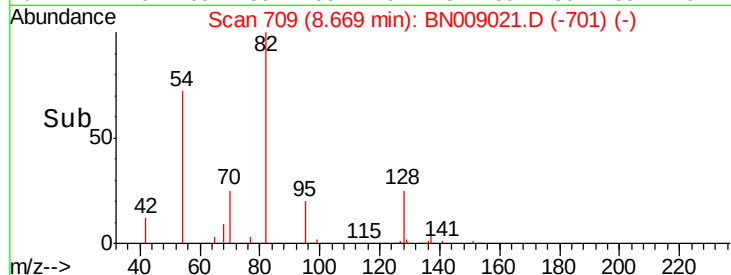
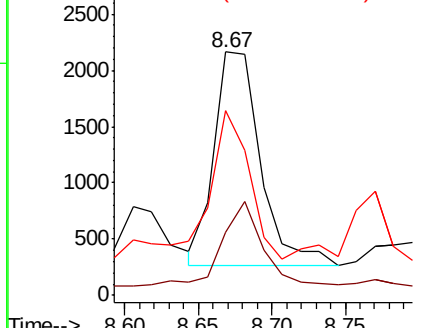


Abundance

Ion 82.00 (81.70 to 82.70): BN008891.D (-708) (-)

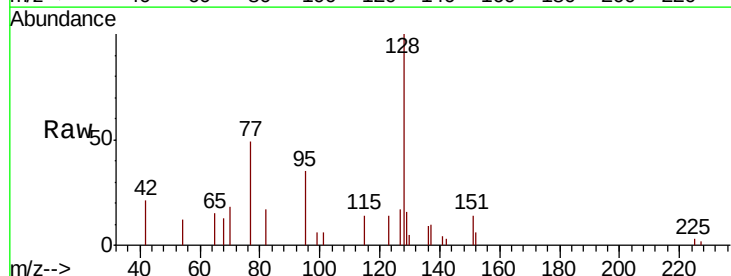
Ion 128.00 (127.70 to 128.70): BN008891.D (-708) (-)

Ion 54.00 (53.70 to 54.70): BN008891.D (-708) (-)



#9
 Naphthalene
 Concen: 0.064 ng
 RT: 10.34 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: BN009021.D
 Acq: 18 Dec 2019 18:52

Tgt Ion	Ratio	Lower	Upper
128	100		
129	15.7	9.4	14.0#
127	16.7	10.8	16.2#

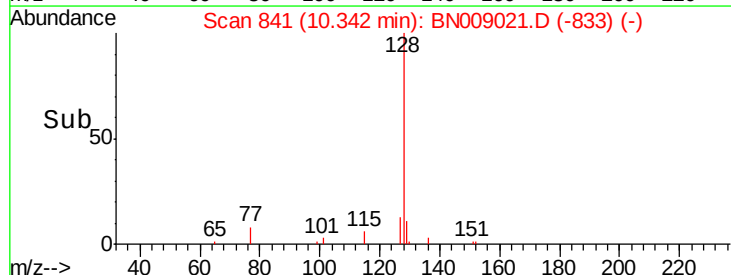
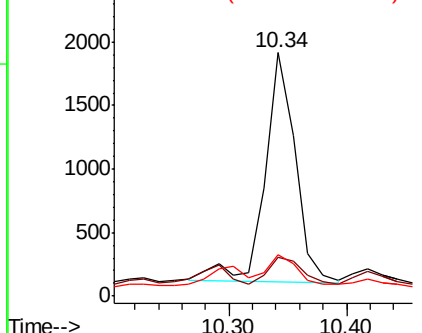


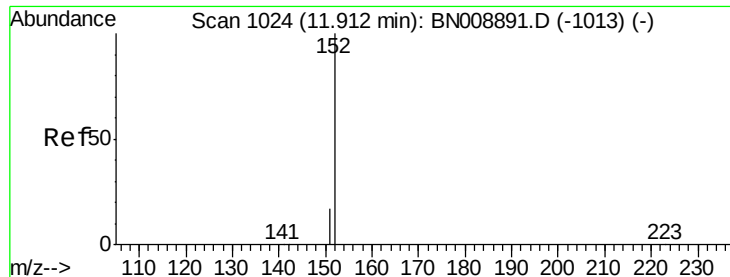
Abundance

Ion 128.00 (127.70 to 128.70): BN008891.D (-838) (-)

Ion 129.00 (128.70 to 129.70): BN008891.D (-838) (-)

Ion 127.00 (126.70 to 127.70): BN008891.D (-838) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.236 ng

RT: 11.89 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

Instrument :

BNA_N

ClientSampleId :

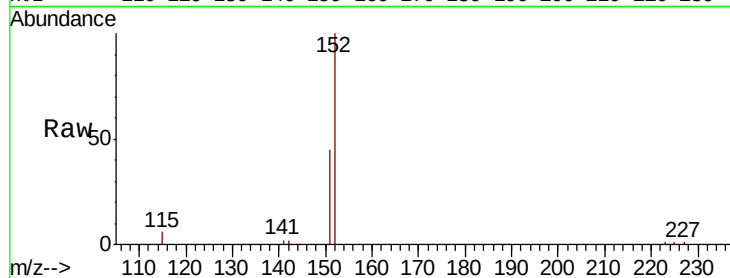
BE-216-COMP-SRE

Tot Ion:152 Resp: 7486

Ion Ratio Lower Upper

152 100

151 36.0 15.2 22.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.89

5000

4000

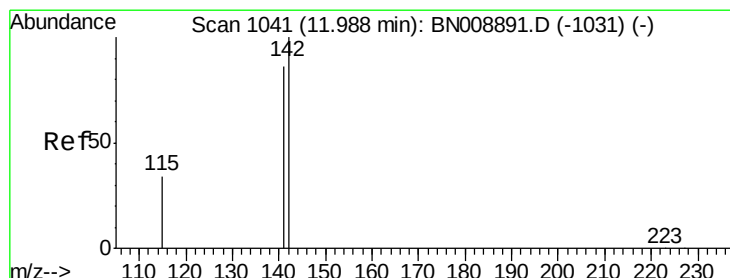
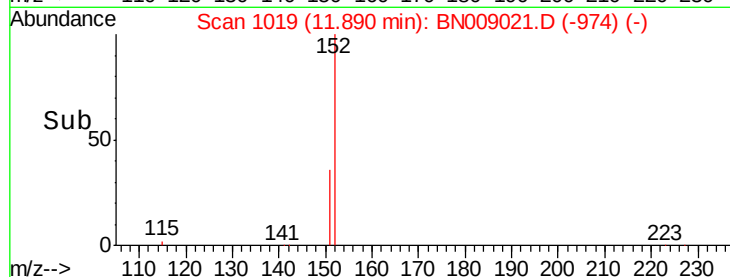
3000

2000

1000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.067 ng

RT: 11.97 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

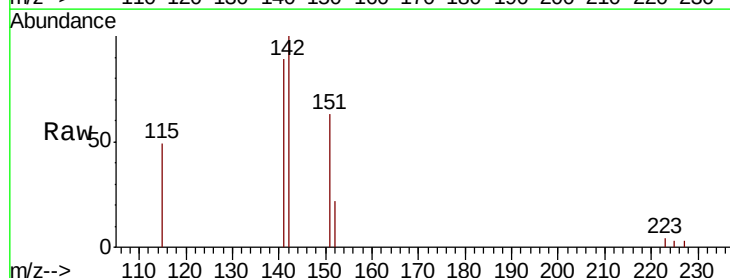
Tgt Ion:142 Resp: 2532

Ion Ratio Lower Upper

142 100

141 88.8 69.3 103.9

115 48.6 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

2000

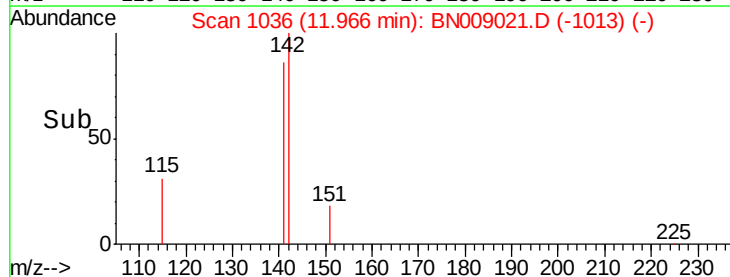
1500

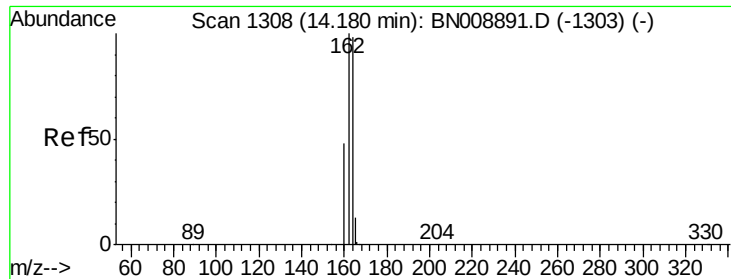
1000

500

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SRE

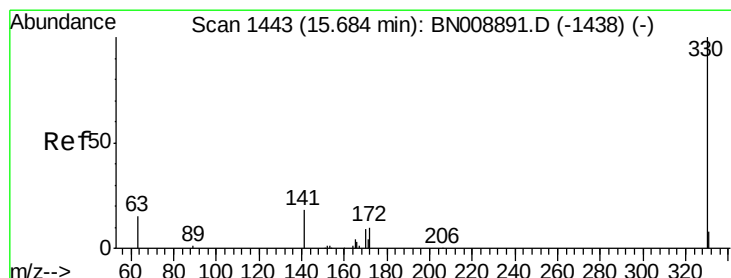
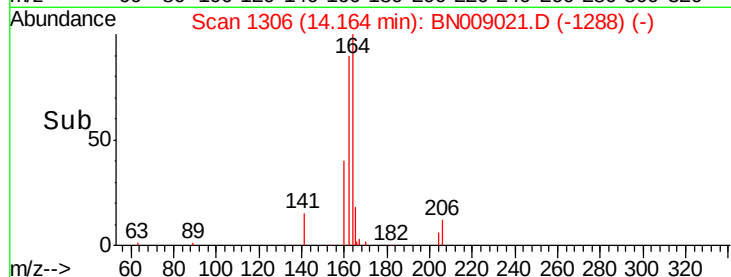
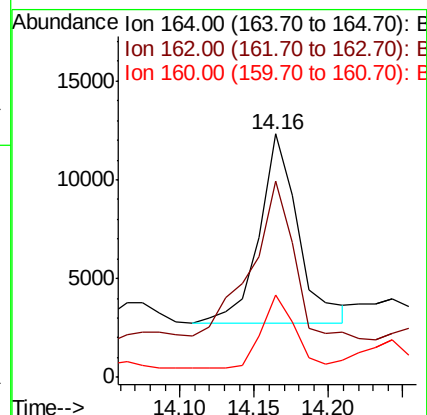
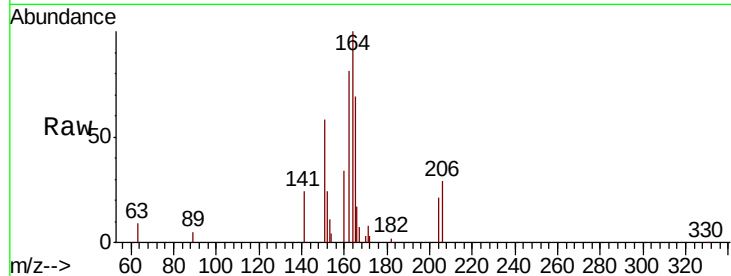
Tot Ion:164 Resp: 17494

Ion Ratio Lower Upper

164 100

162 80.8 81.9 122.9#

160 33.9 39.3 58.9#



#14

2,4,6-Tribromophenol

Concen: 0.184 ng

RT: 15.67 min Scan# 1441

Delta R.T. 0.01 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

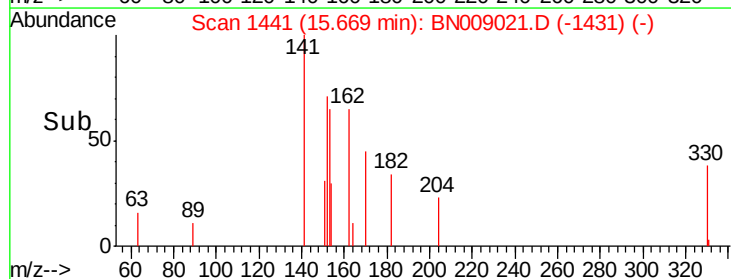
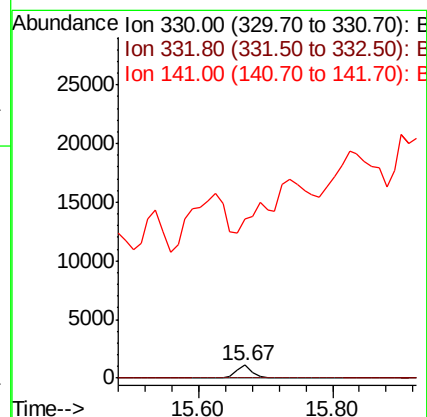
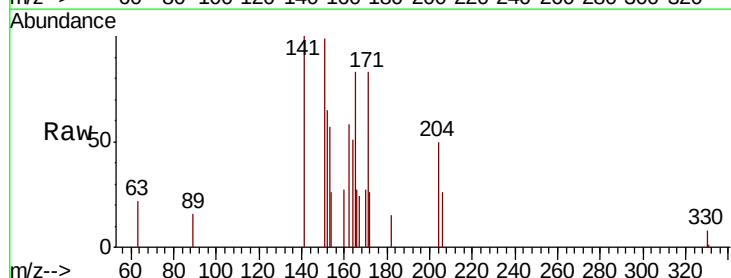
Tgt Ion:330 Resp: 1542

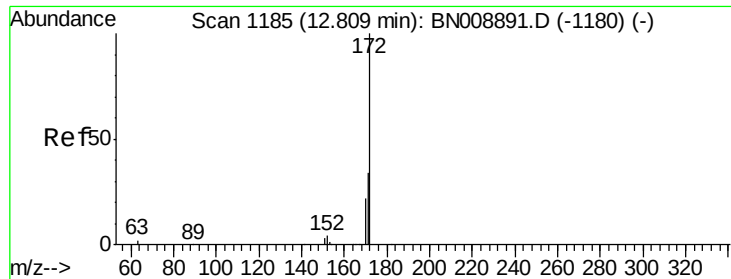
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 0.0 29.6 44.4#

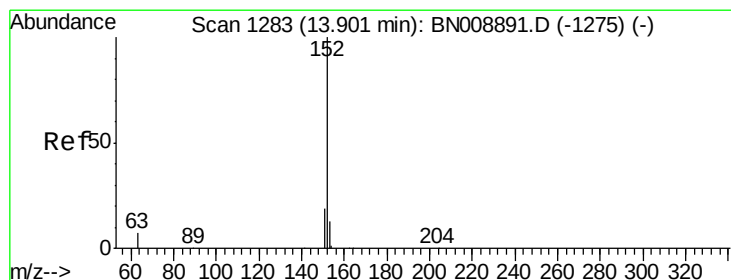
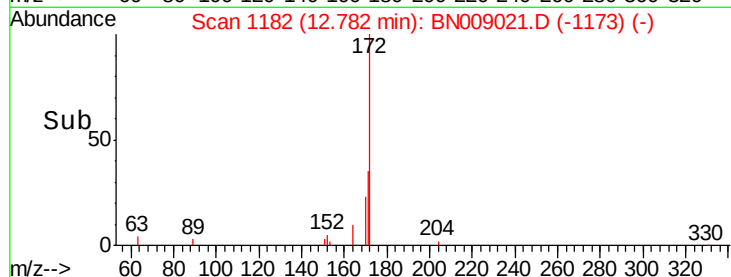
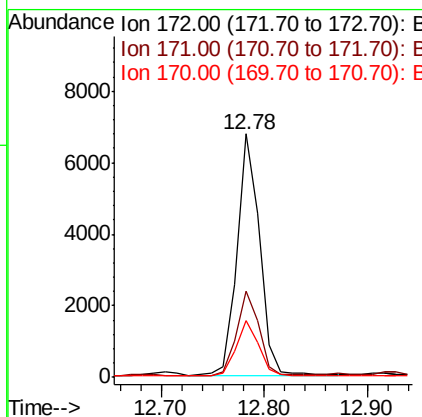
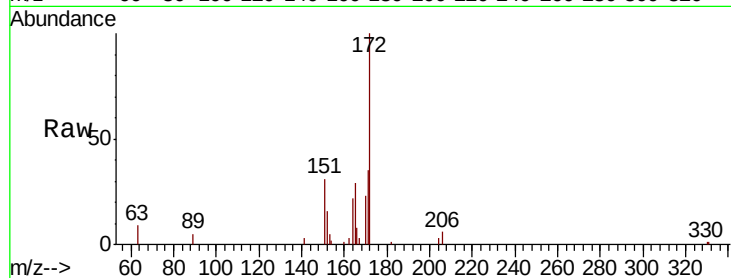




#15
2-Fluorobiphenyl
Concen: 0.153 ng
RT: 12.78 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BN009021.D
Acq: 18 Dec 2019 18:52

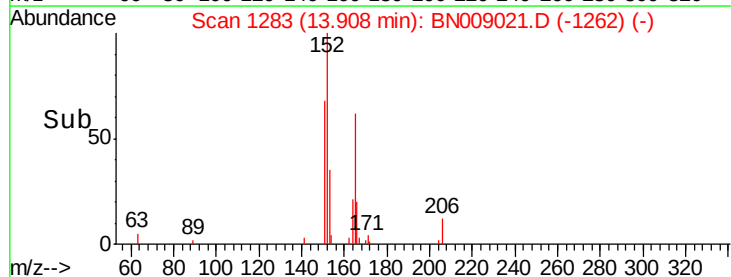
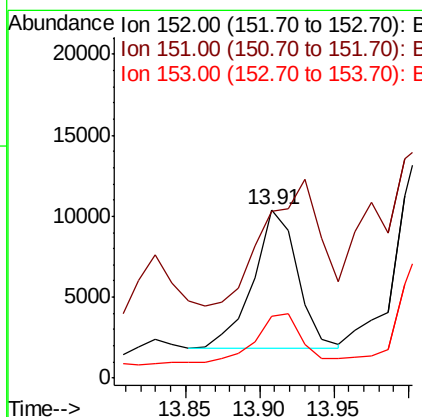
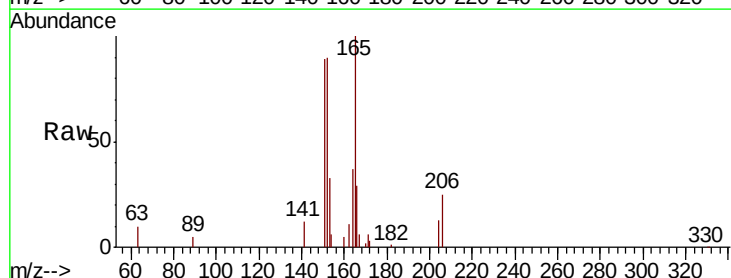
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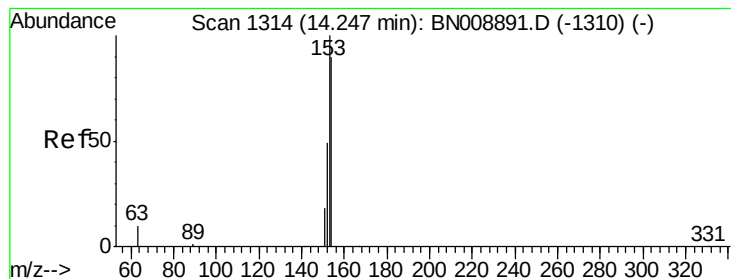
Tot Ion:172 Resp: 10196
Ion Ratio Lower Upper
172 100
171 35.5 27.1 40.7
170 23.4 17.7 26.5



#16
Acenaphthylene
Concen: 0.223 ng
RT: 13.91 min Scan# 1283
Delta R.T. 0.03 min
Lab File: BN009021.D
Acq: 18 Dec 2019 18:52

Tgt Ion:152 Resp: 17812
Ion Ratio Lower Upper
152 100
151 0.0 15.3 22.9#
153 0.0 10.3 15.5#





#17

Acenaphthene

Concen: 0.032 ng

RT: 14.23 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SRE

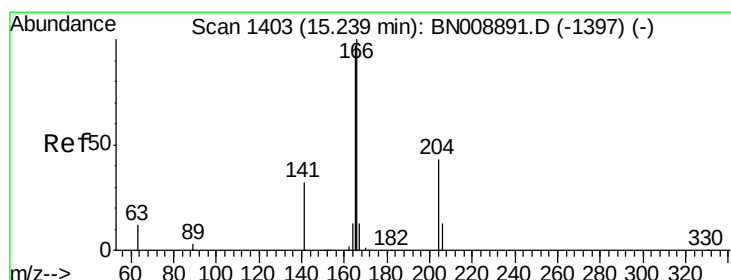
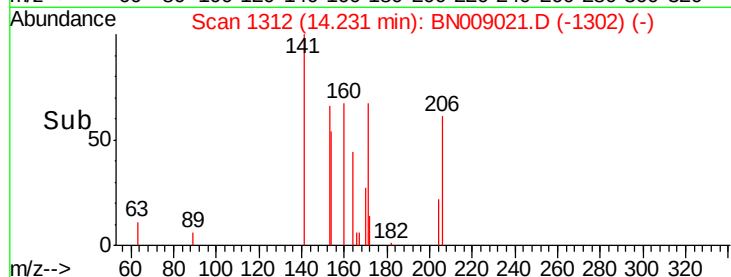
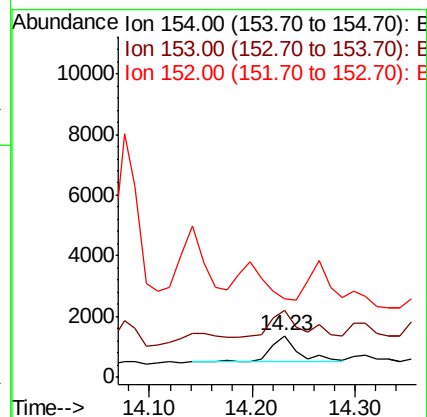
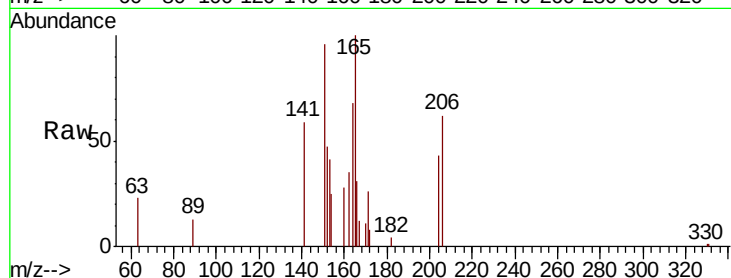
Tot Ion:154 Resp: 1677

Ion Ratio Lower Upper

154 100

153 113.8 89.2 133.8

152 0.0 44.2 66.4#



#18

Fluorene

Concen: 0.079 ng

RT: 15.22 min Scan# 1401

Delta R.T. 0.01 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

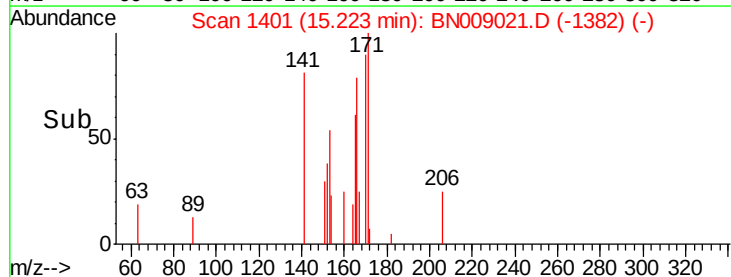
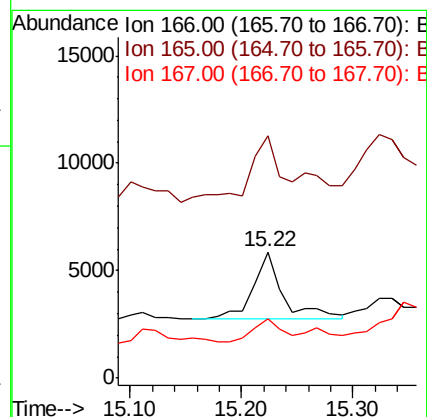
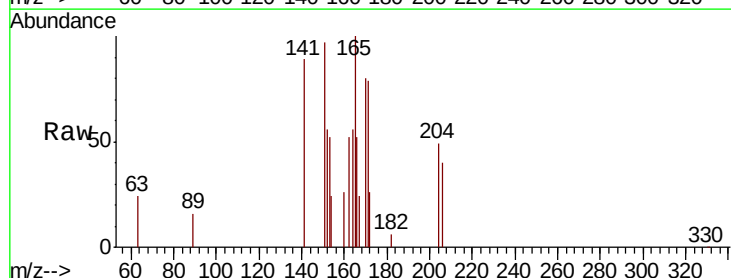
Tgt Ion:166 Resp: 5667

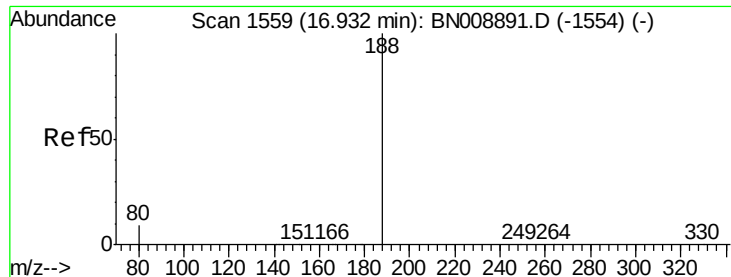
Ion Ratio Lower Upper

166 100

165 107.6 77.3 115.9

167 33.2 10.8 16.2#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.92 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SRE

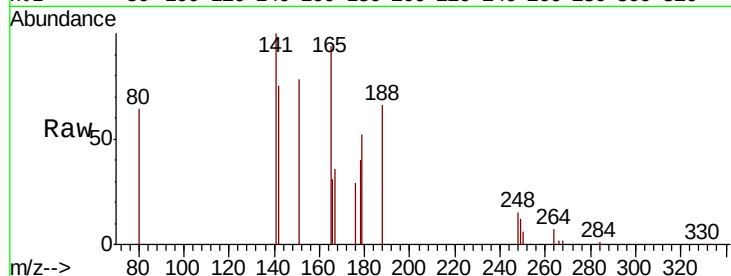
Tot Ion:188 Resp: 28452

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

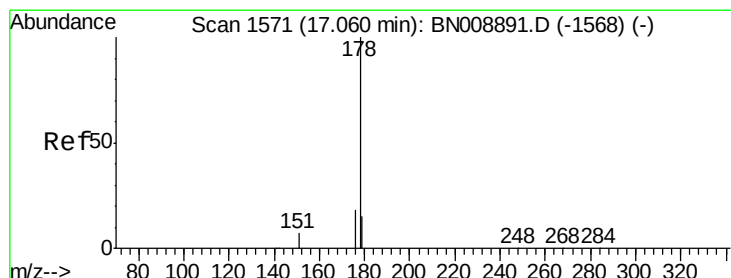
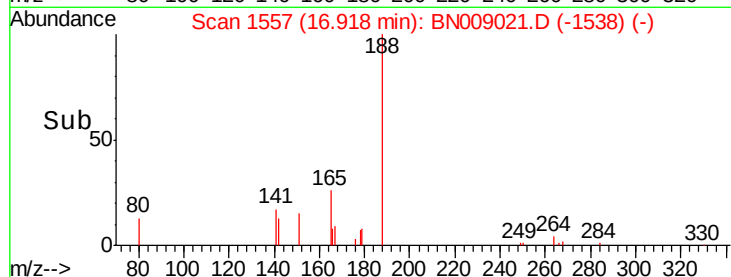
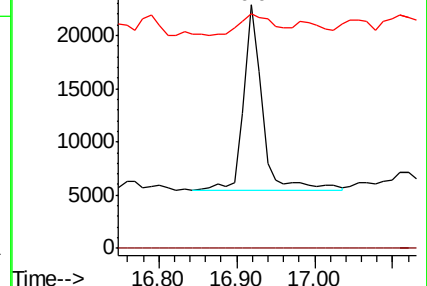
80 96.5 7.3 10.9#



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



#24

Anthracene

Concen: 0.094 ng

RT: 17.06 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

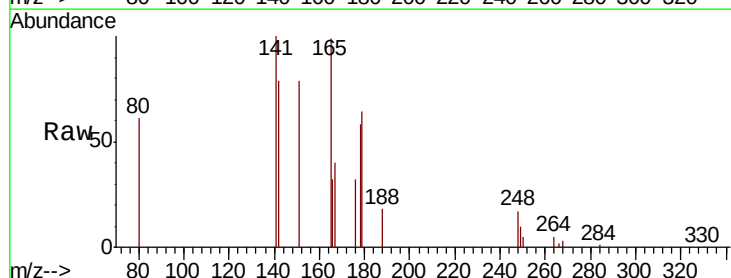
Tgt Ion:178 Resp: 7445

Ion Ratio Lower Upper

178 100

176 16.0 14.4 21.6

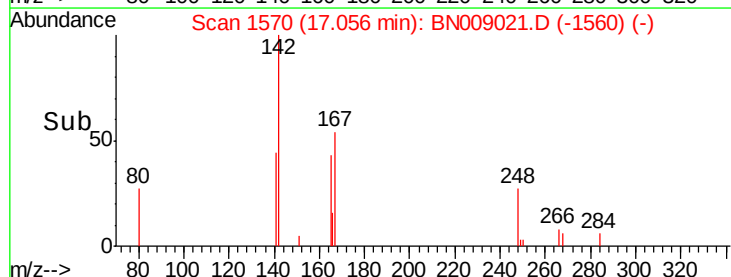
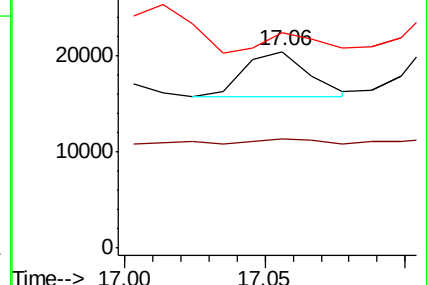
179 22.5 12.1 18.1#

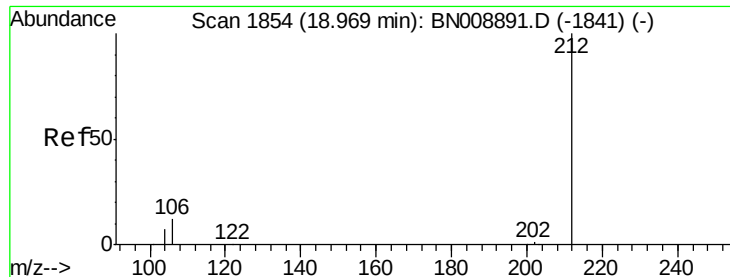


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.236 ng

RT: 18.96 min Scan# 1851

Delta R.T. 0.01 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SRE

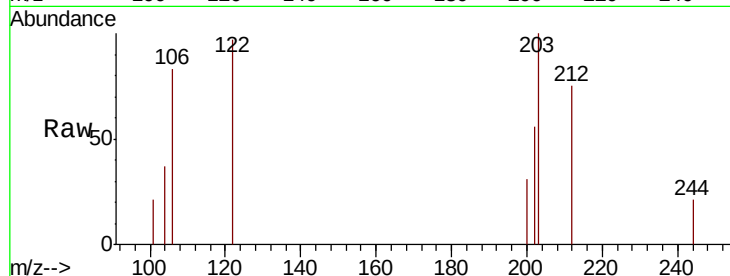
Tot Ion:212 Resp: 20341

Ion Ratio Lower Upper

212 100

106 11.6 10.4 15.6

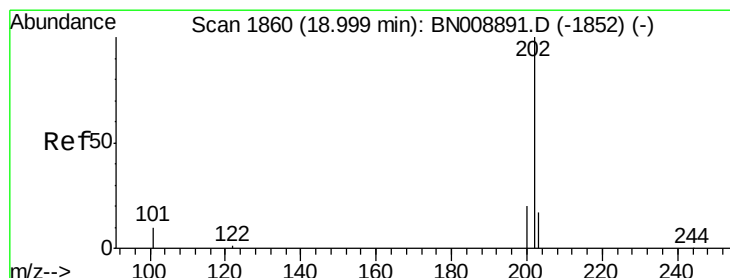
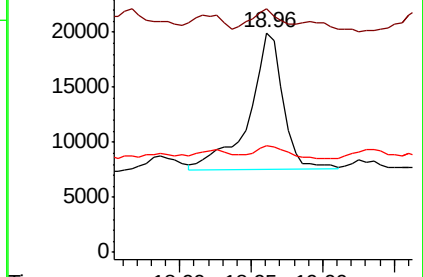
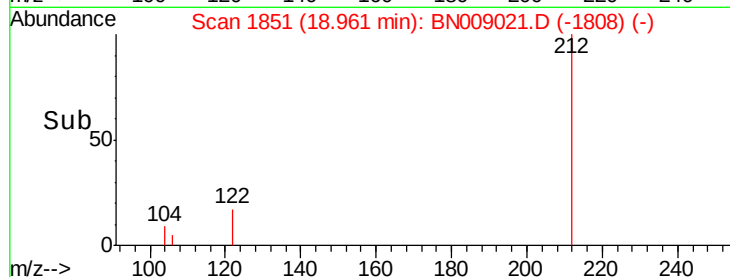
104 8.2 5.9 8.9



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: 0.131 ng

RT: 18.99 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

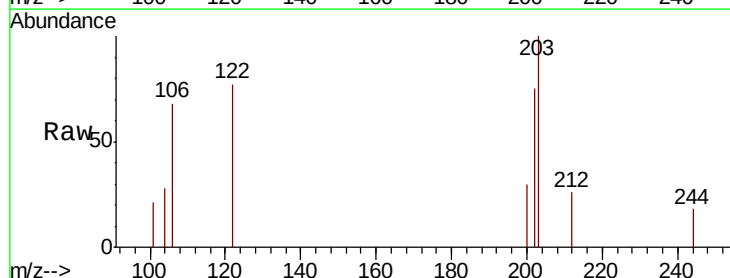
Tgt Ion:202 Resp: 13956

Ion Ratio Lower Upper

202 100

101 21.9 8.8 13.2#

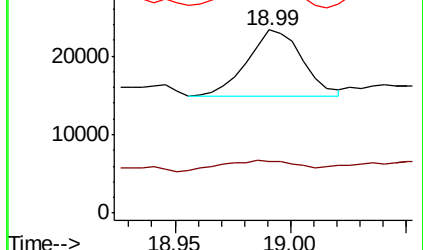
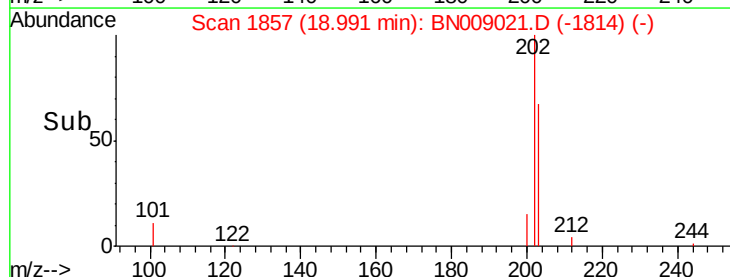
203 59.9 13.8 20.6#

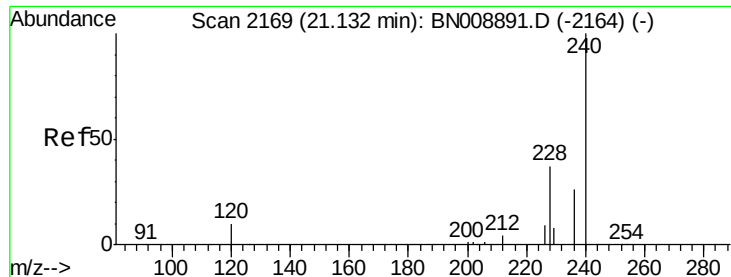


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2168

Delta R.T. 0.01 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SRE

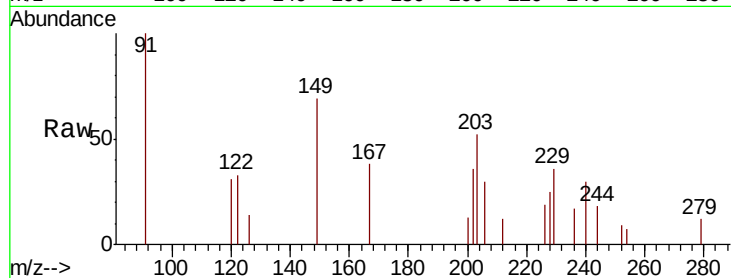
Tot Ion:240 Resp: 20099

Ion Ratio Lower Upper

240 100

120 102.9 9.1 13.7#

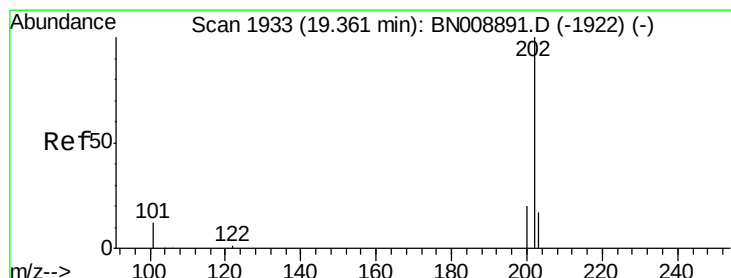
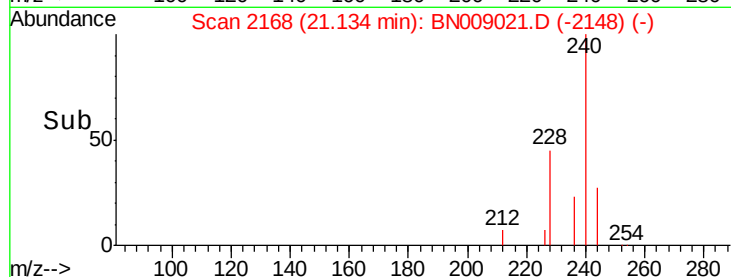
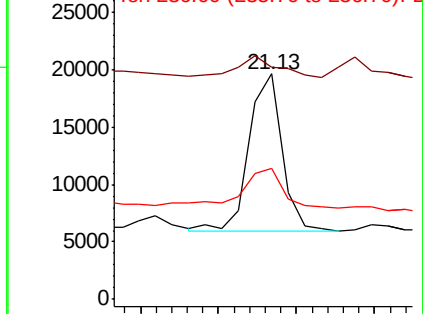
236 57.9 21.5 32.3#



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: 0.404 ng

RT: 19.36 min Scan# 1931

Delta R.T. 0.01 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

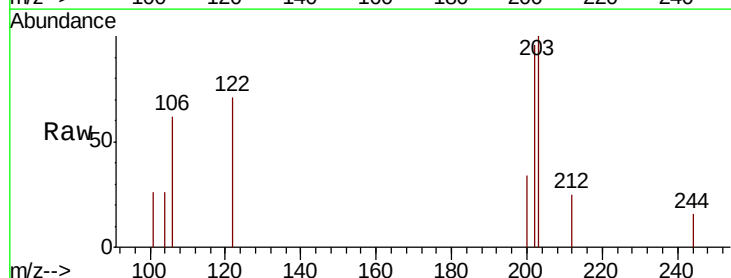
Tgt Ion:202 Resp: 28421

Ion Ratio Lower Upper

202 100

200 16.3 16.1 24.1

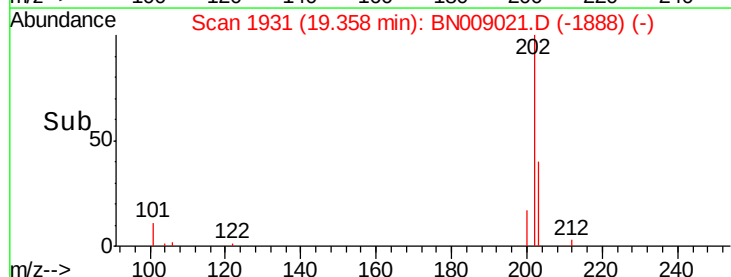
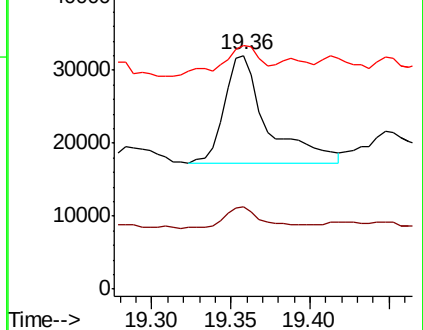
203 24.3 13.9 20.9#

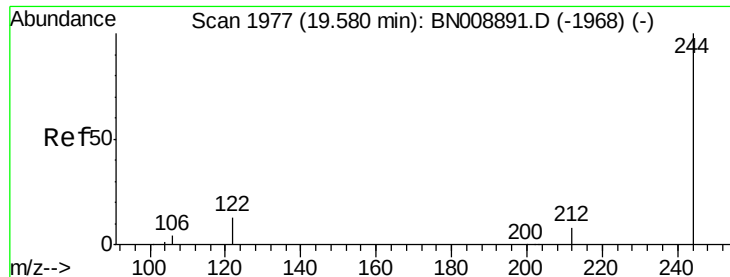


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.282 ng

RT: 19.58 min Scan# 1975

Delta R.T. 0.01 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SRE

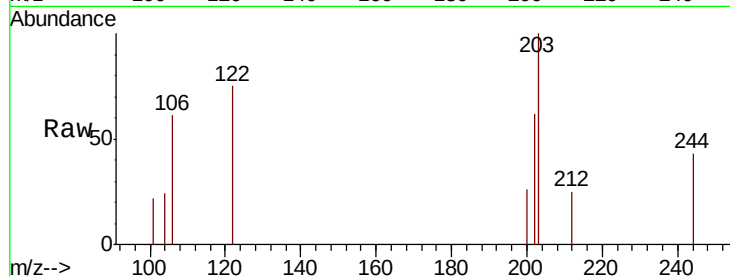
Tot Ion:244 Resp: 12914

Ion Ratio Lower Upper

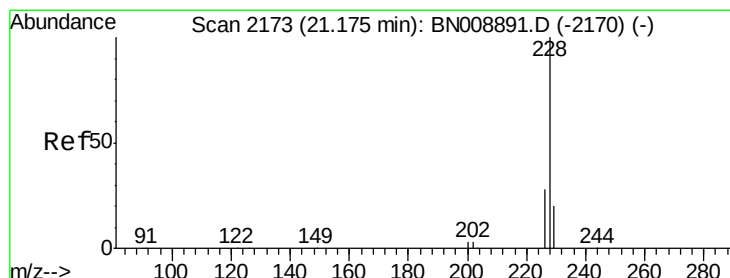
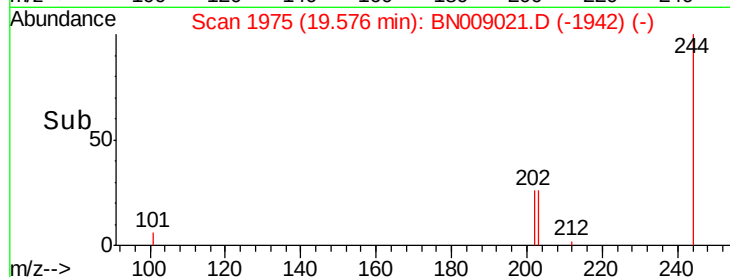
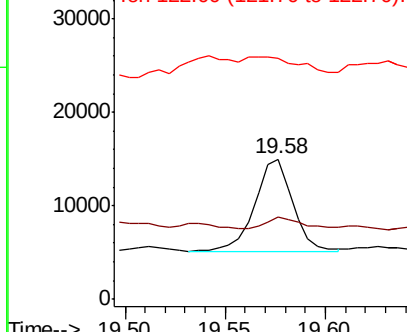
244 100

212 58.5 6.5 9.7#

122 171.9 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



#31

Chrysene

Concen: 0.361 ng

RT: 21.14 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

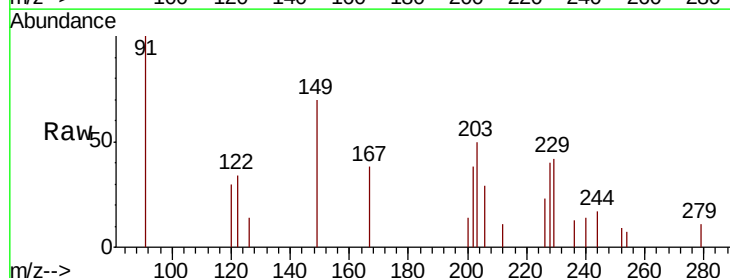
Tgt Ion:228 Resp: 26688

Ion Ratio Lower Upper

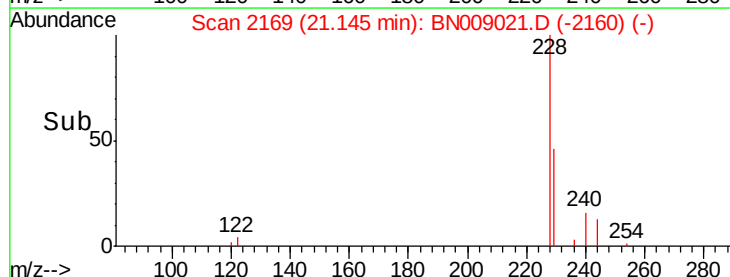
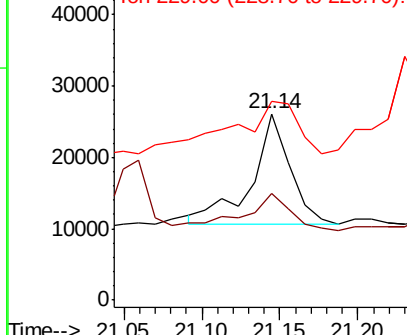
228 100

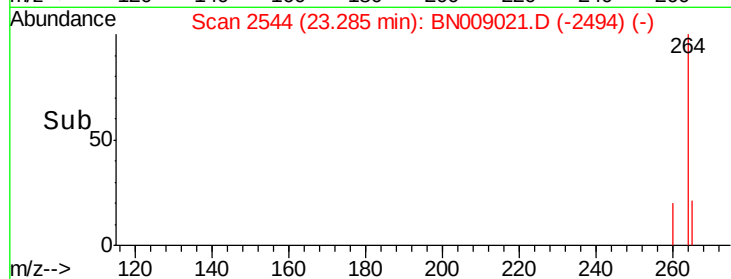
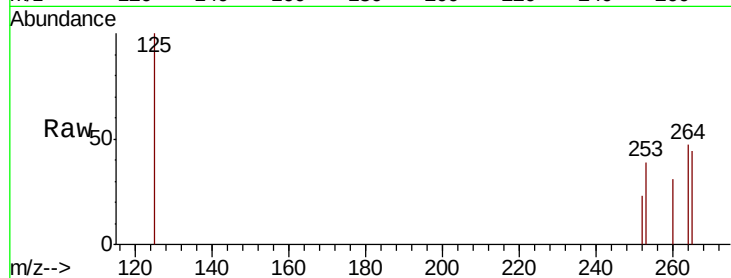
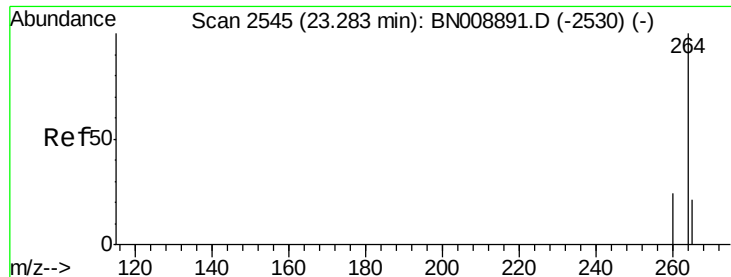
226 57.1 22.2 33.4#

229 106.8 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





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.28 min Scan# 2544

Delta R.T. 0.02 min

Lab File: BN009021.D

Acq: 18 Dec 2019 18:52

Instrument :

BNA_N

ClientSampleId :

BE-216-COMP-SRE

Tot Ion:264 Resp: 18498

Ion Ratio Lower Upper

264 100

260 66.4 19.4 29.0#

265 93.9 47.5 71.3#

