

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032319\
 Data File : BN004931.D
 Acq On : 23 Mar 2019 21:25
 Operator : JU/SJ
 Sample : K2015-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-072-SW090-031919

Quant Time: Mar 24 01:02:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 20 16:06:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	1356	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	5557	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	2993	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	7395	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	11073	0.40	ng	-0.01
34) Perylene-d12	23.53	264	14682	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	1587	0.43	ng	0.00
5) Phenol-d6	6.86	99	2027	0.44	ng	-0.02
8) Nitrobenzene-d5	8.86	82	1576	0.43	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	3362	0.35	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	862	0.42	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	4705	0.38	ng	-0.01
25) Fluoranthene-d10	19.12	212	9291	0.38	ng	-0.02
29) Terphenyl-d14	19.72	244	6737	0.30	ng	-0.01

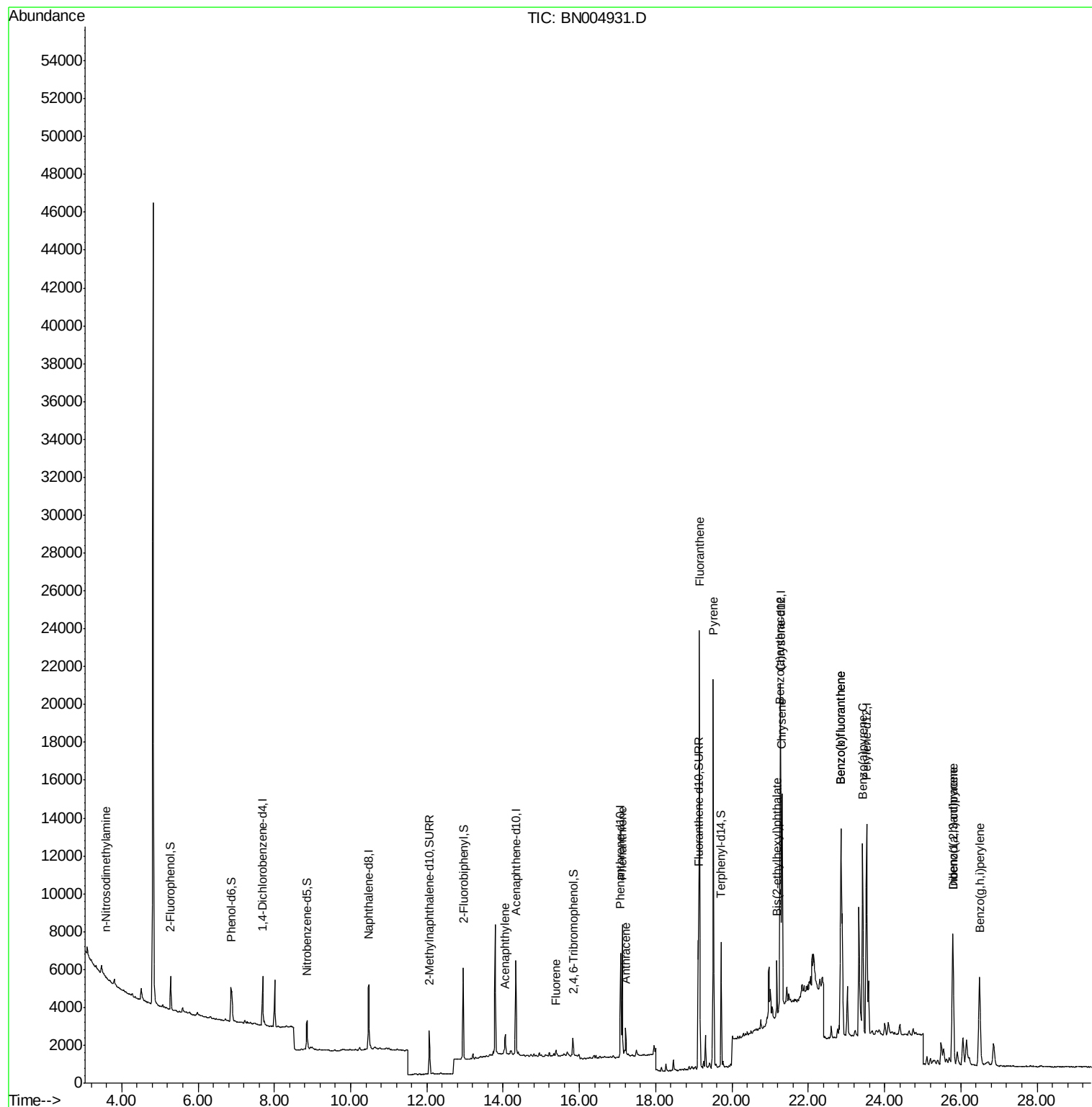
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.59	42	62	0.068	ng	# 1
16) Acenaphthylene	14.05	152	1355	0.088	ng	99
18) Fluorene	15.39	166	297	0.021	ng	# 85
23) Phenanthrene	17.12	178	7260	0.304	ng	99
24) Anthracene	17.22	178	1766	0.083	ng	97
26) Fluoranthene	19.15	202	20571	0.670	ng	98
28) Pyrene	19.51	202	18205	0.539	ng	97
30) Benzo(a)anthracene	21.26	228	13361	0.368	ng	95
31) Chrysene	21.31	228	11275	0.295	ng	94
32) Bis(2-ethylhexyl)phthalate	21.17	149	2693	0.186	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	10975	0.198	ng	99
35) Benzo(b)fluoranthene	22.85	252	18263	0.344	ng	# 88
36) Benzo(k)fluoranthene	22.85	252	18263	0.350	ng	# 89
37) Benzo(a)pyrene	23.43	252	13818	0.284	ng	# 90
38) Dibenzo(a,h)anthracene	25.80	278	3024	0.054	ng	# 50
39) Benzo(g,h,i)perylene	26.49	276	9902	0.172	ng	# 92

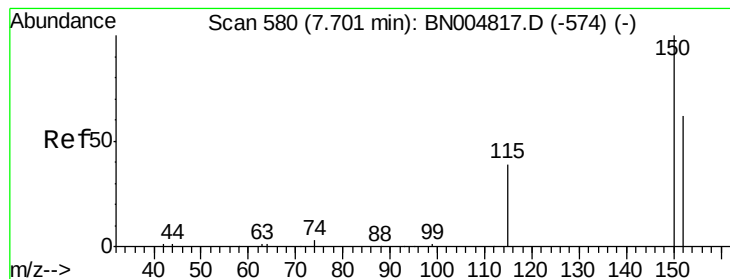
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.69 min Scan# 579

Delta R.T. -0.01 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Instrument :

BNA_N

ClientSampleId :

PST-072-SW090-031919

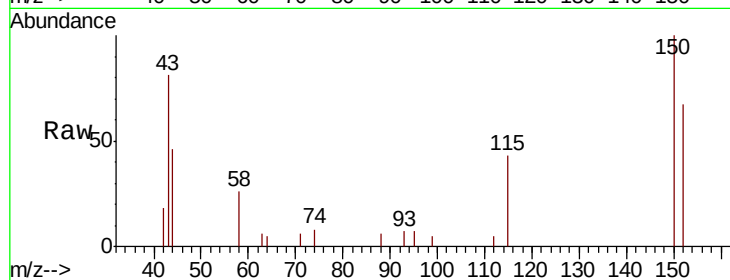
Tgt Ion: 152 Resp: 1356

Ion Ratio Lower Upper

152 100

150 148.9 126.2 189.4

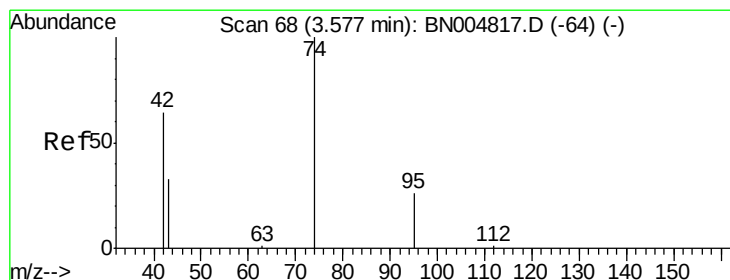
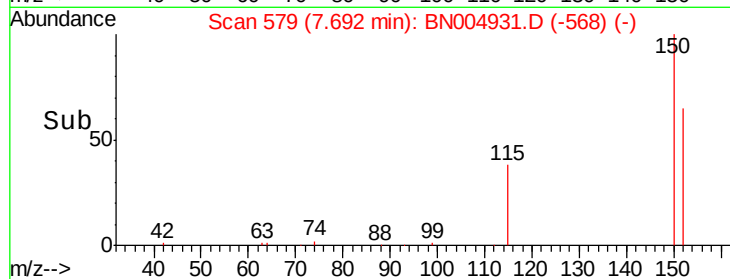
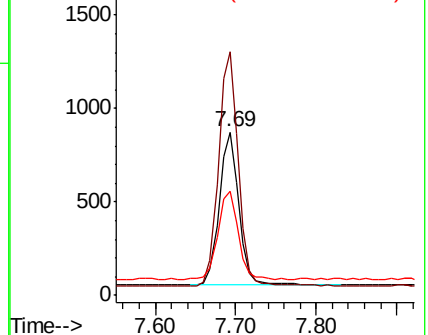
115 64.0 52.6 79.0



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



#3

n-Nitrosodimethylamine

Concen: 0.068 ng

RT: 3.59 min Scan# 69

Delta R.T. 0.01 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

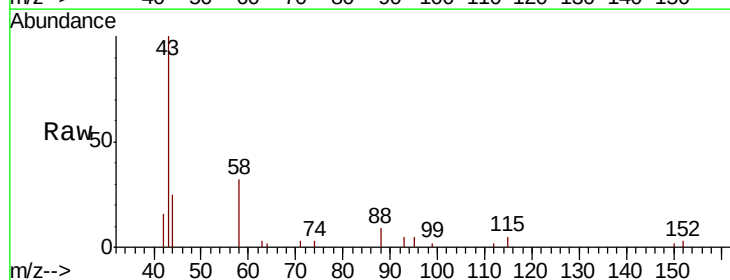
Tgt Ion: 42 Resp: 62

Ion Ratio Lower Upper

42 100

74 8.1 128.4 192.6#

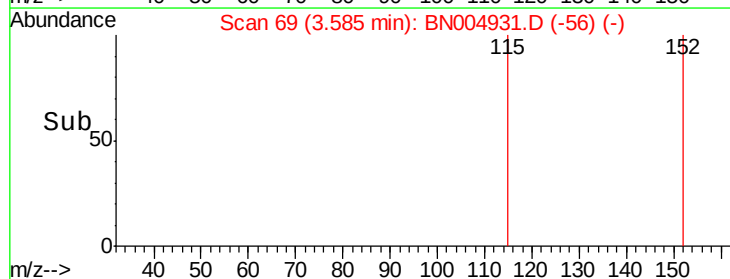
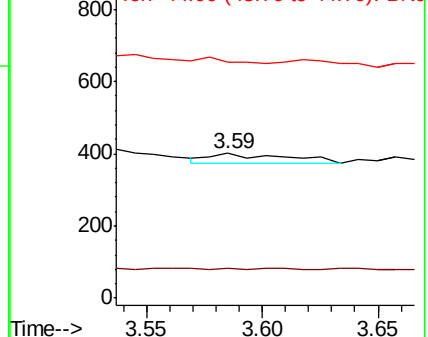
44 0.0 6.1 9.1#

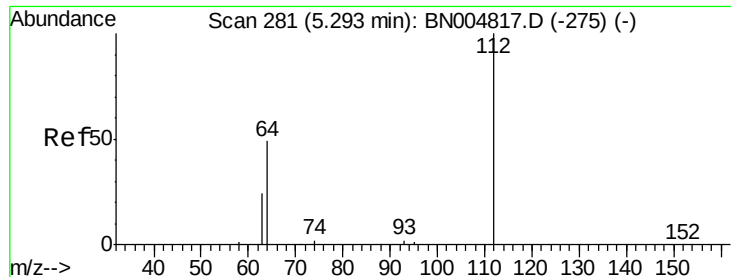


Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.431 ng

RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Instrument :

BNA_N

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PST-072-SW090-031919

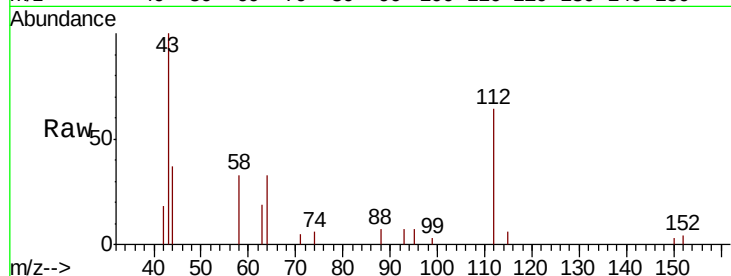
Tgt Ion: 112 Resp: 1587

Ion Ratio Lower Upper

112 100

64 51.8 40.0 60.0

63 26.4 20.2 30.2

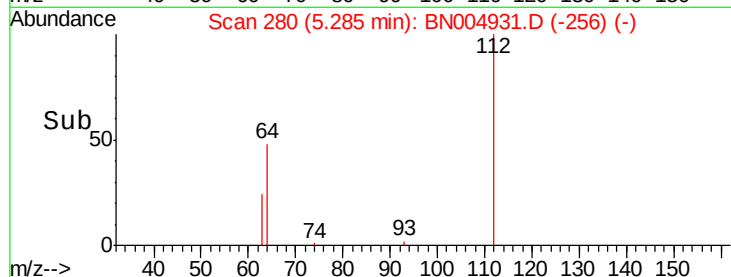


Abundance Ion 112.00 (111.70 to 112.70): B

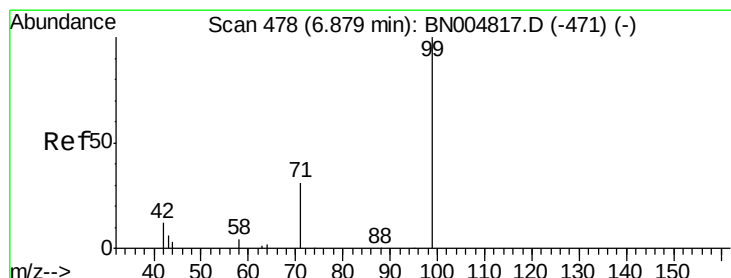
Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

5.28



Time-->



#5

Phenol-d6

Concen: 0.442 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

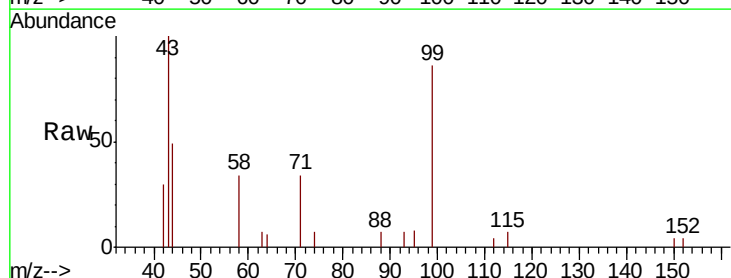
Tgt Ion: 99 Resp: 2027

Ion Ratio Lower Upper

99 100

42 17.6 12.7 19.1

71 32.2 26.6 40.0

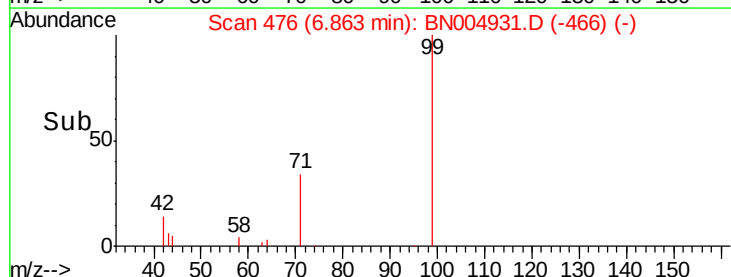


Abundance Ion 99.00 (98.70 to 99.70): BNC

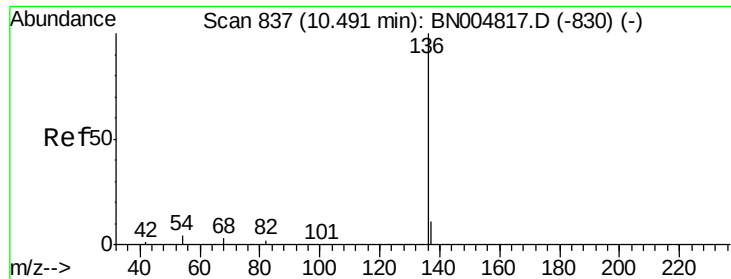
Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC

6.86



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Instrument :

BNA_N

ClientSampleId :

PST-072-SW090-031919

Tgt Ion:136 Resp: 5557

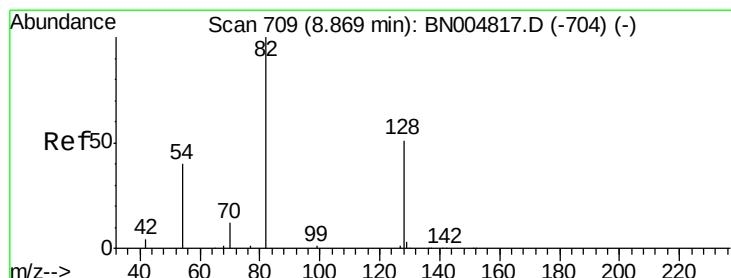
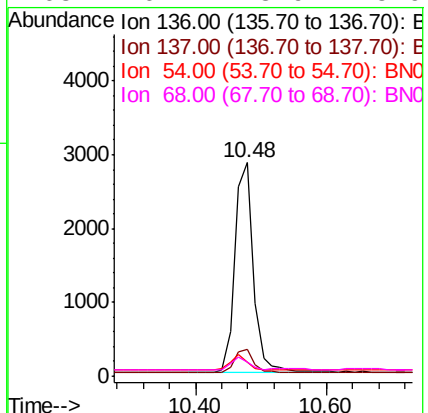
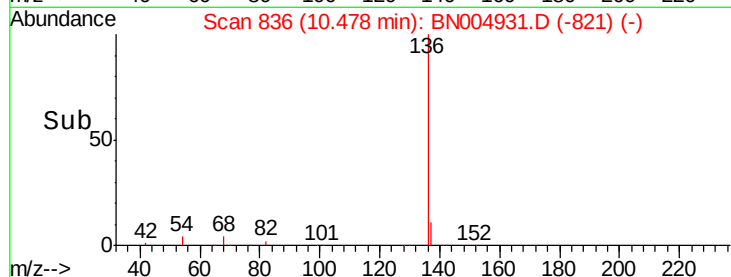
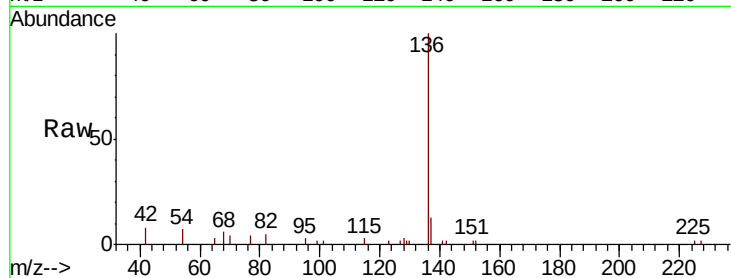
Ion Ratio Lower Upper

136 100

137 12.5 9.6 14.4

54 6.7 4.2 6.2#

68 6.4 3.9 5.9#



#8

Nitrobenzene-d5

Concen: 0.429 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

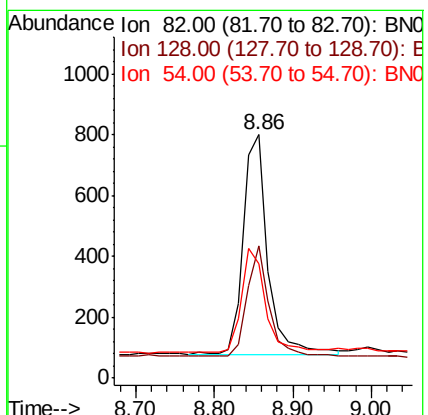
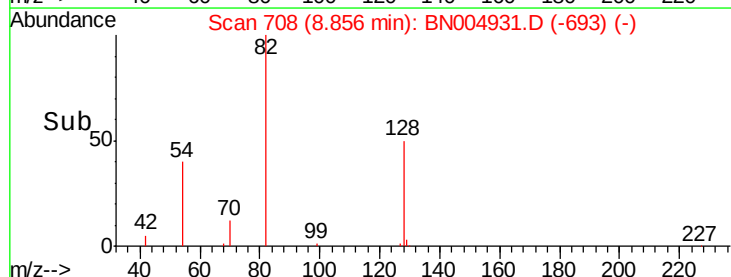
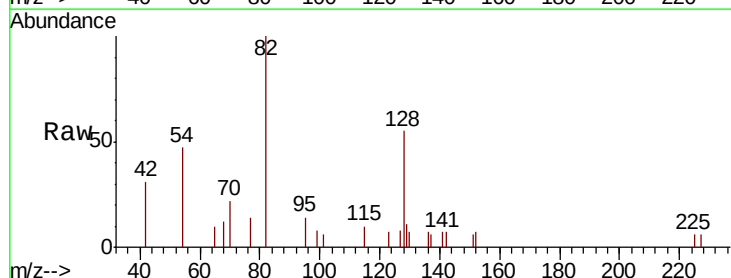
Tgt Ion: 82 Resp: 1576

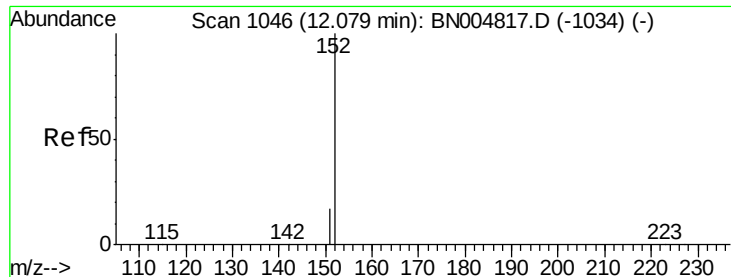
Ion Ratio Lower Upper

82 100

128 54.6 43.0 64.6

54 46.9 35.3 52.9

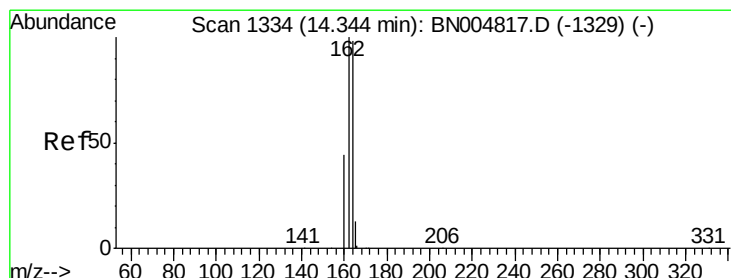
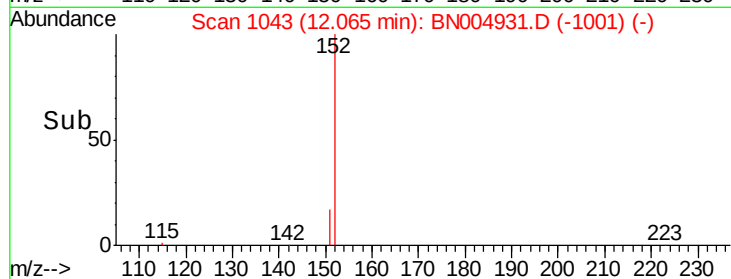
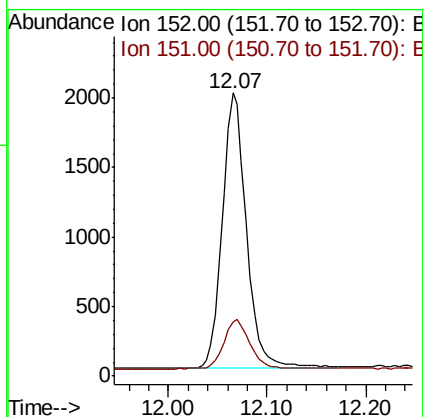
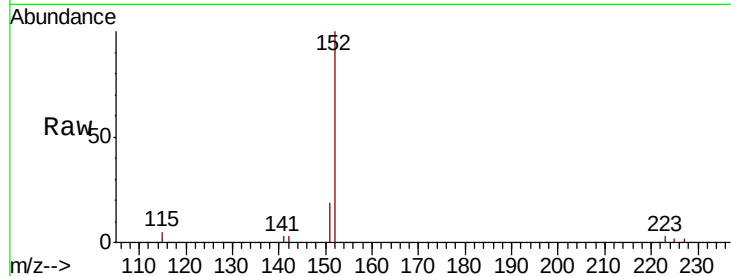




#11
2-Methylnaphthalene-d10
Concen: 0.347 ng
RT: 12.07 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BN004931.D
Acq: 23 Mar 2019 21:25

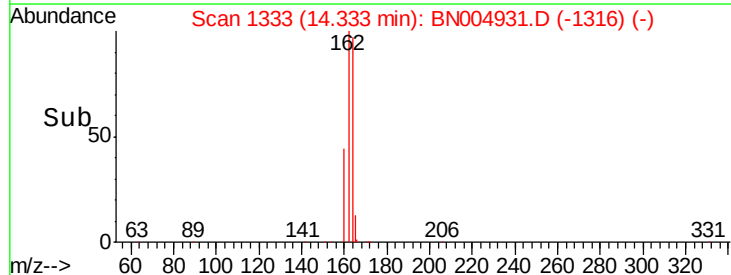
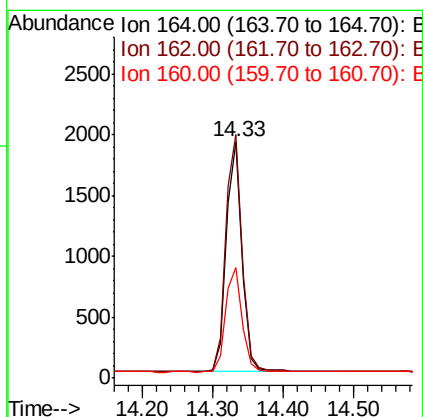
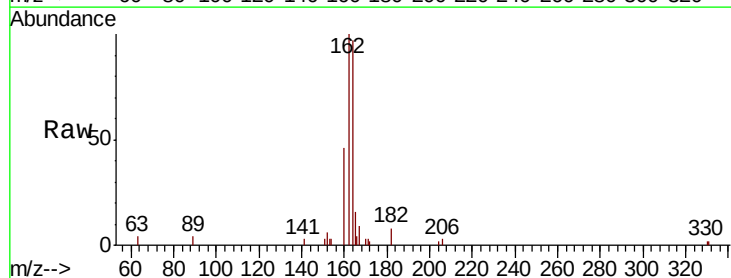
Instrument :
BNA_N
ClientSampleId :
PST-072-SW090-031919

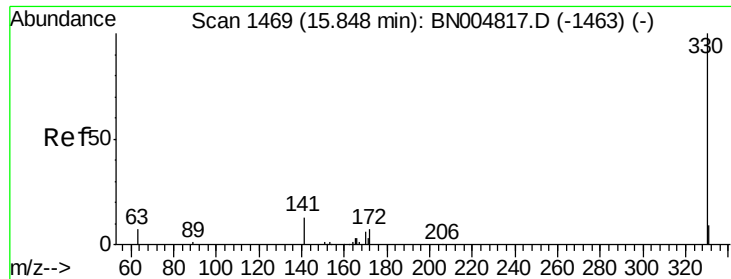
Tgt Ion:152 Resp: 3362
Ion Ratio Lower Upper
152 100
151 19.7 15.5 23.3



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BN004931.D
Acq: 23 Mar 2019 21:25

Tgt Ion:164 Resp: 2993
Ion Ratio Lower Upper
164 100
162 103.0 81.9 122.9
160 47.0 36.6 54.8

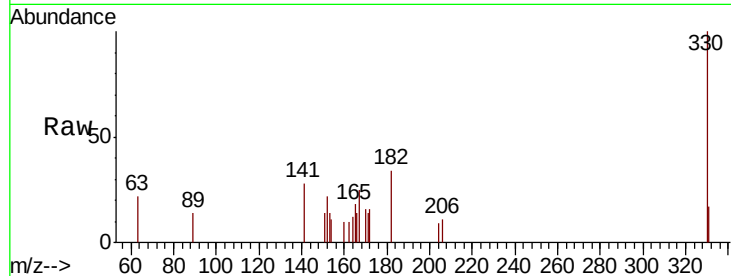




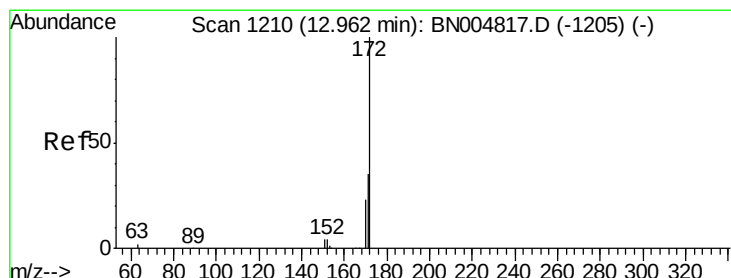
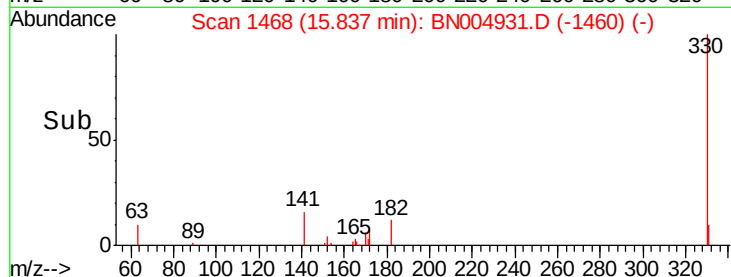
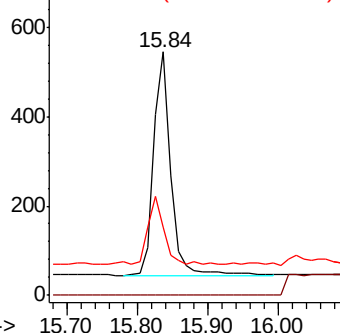
#14
 2,4,6-Tribromophenol
 Concen: 0.417 ng
 RT: 15.84 min Scan# 1468
 Delta R.T. -0.01 min
 Lab File: BN004931.D
 Acq: 23 Mar 2019 21:25

Instrument :
 BNA_N
 ClientSampleId :
 PST-072-SW090-031919

Tgt Ion:330 Resp: 862
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 28.8 20.9 31.3

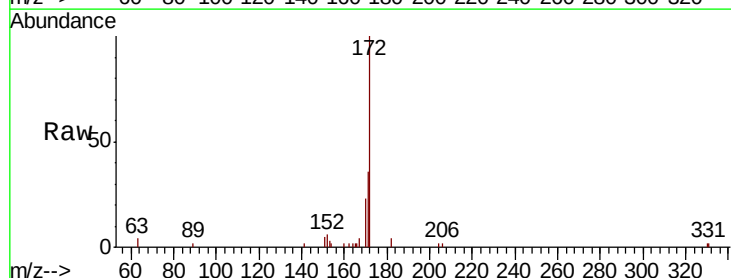


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

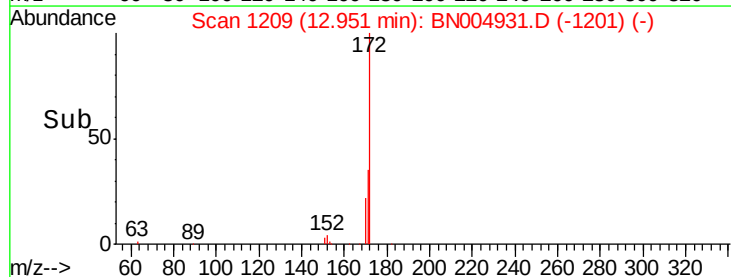
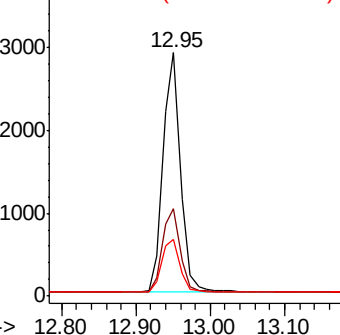


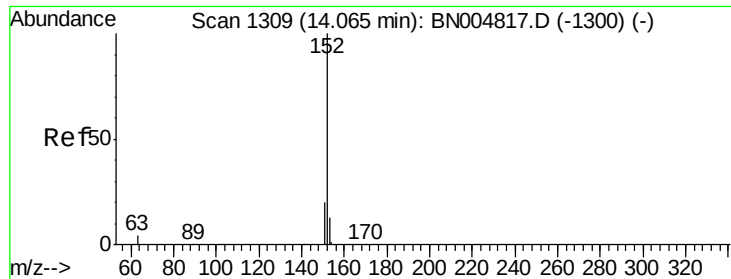
#15
 2-Fluorobiphenyl
 Concen: 0.380 ng
 RT: 12.95 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BN004931.D
 Acq: 23 Mar 2019 21:25

Tgt Ion:172 Resp: 4705
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.7 43.1
 170 23.1 18.7 28.1



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthylene

Concen: 0.088 ng

RT: 14.05 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Instrument :

BNA_N

ClientSampleId :

PST-072-SW090-031919

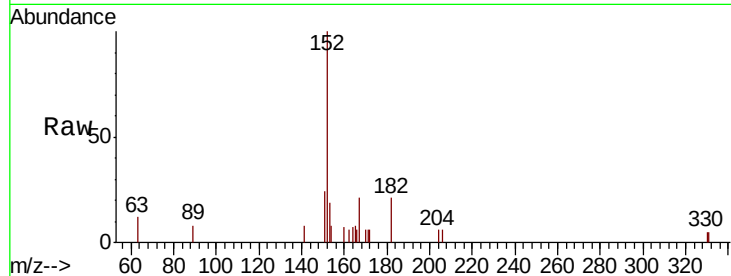
Tgt Ion:152 Resp: 1355

Ion Ratio Lower Upper

152 100

151 21.1 16.1 24.1

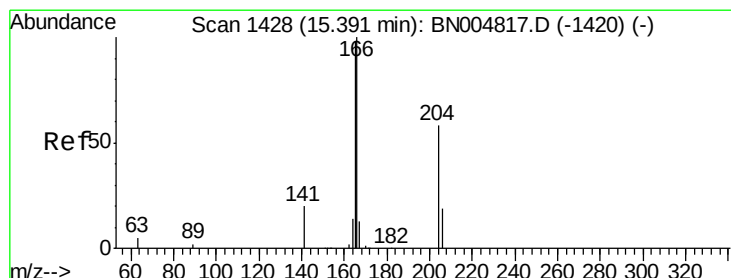
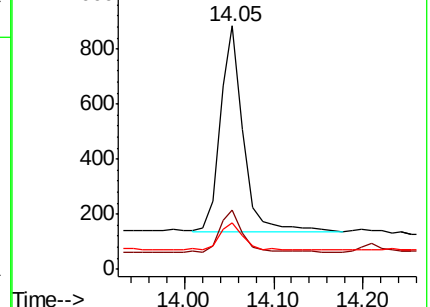
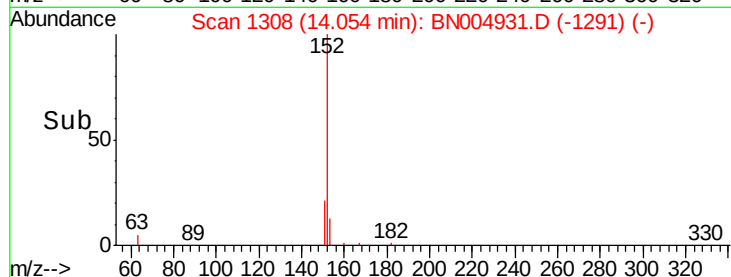
153 13.1 10.5 15.7



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



#18

Fluorene

Concen: 0.021 ng

RT: 15.39 min Scan# 1428

Delta R.T. -0.00 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

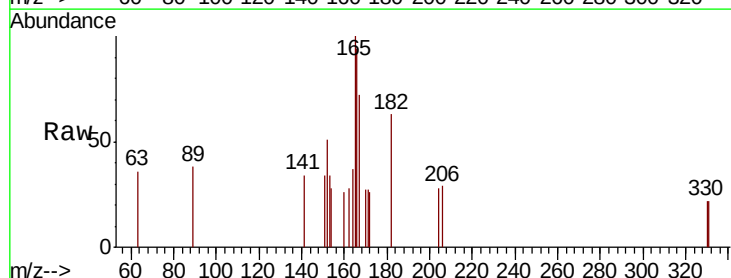
Tgt Ion:166 Resp: 297

Ion Ratio Lower Upper

166 100

165 111.8 78.2 117.4

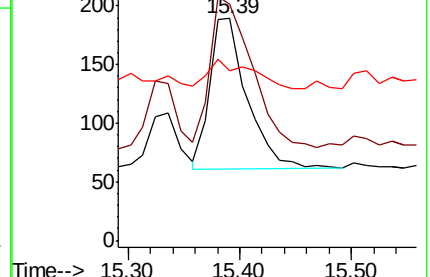
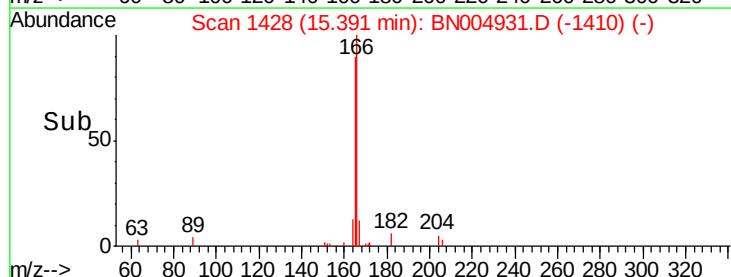
167 22.9 11.0 16.4#

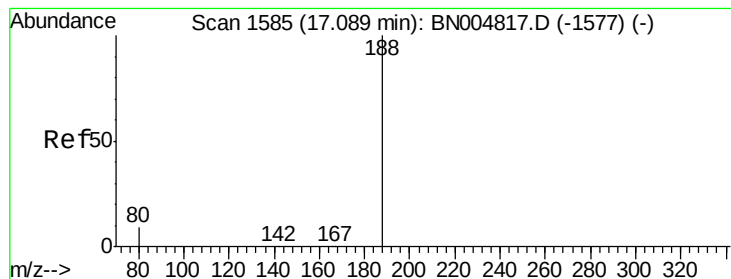


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004931.D

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PST-072-SW090-031919

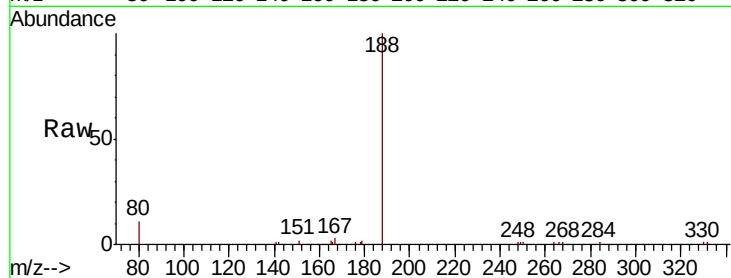
Tgt Ion:188 Resp: 7395

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

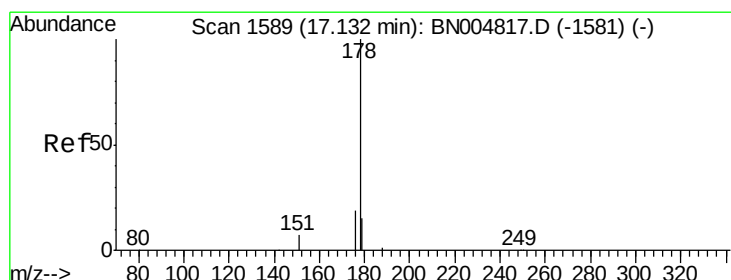
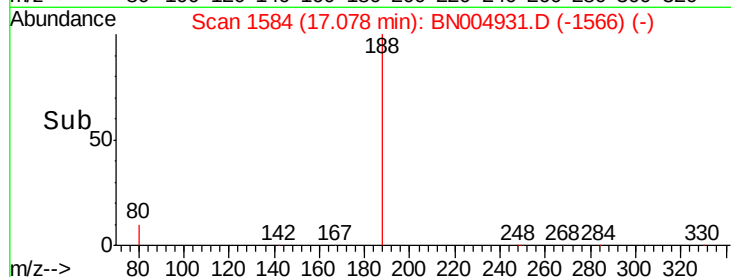
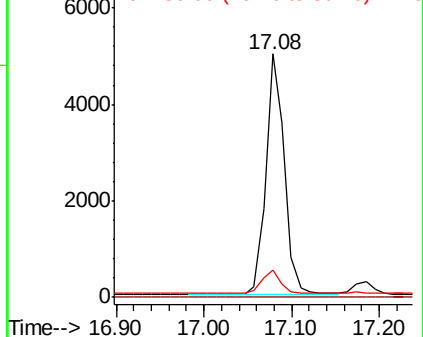
80 11.2 7.4 11.2#



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



#23

Phenanthrene

Concen: 0.304 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

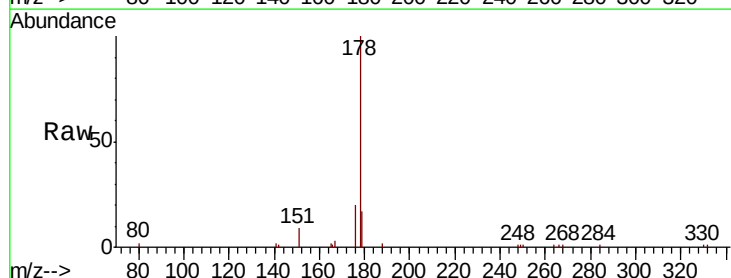
Tgt Ion:178 Resp: 7260

Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

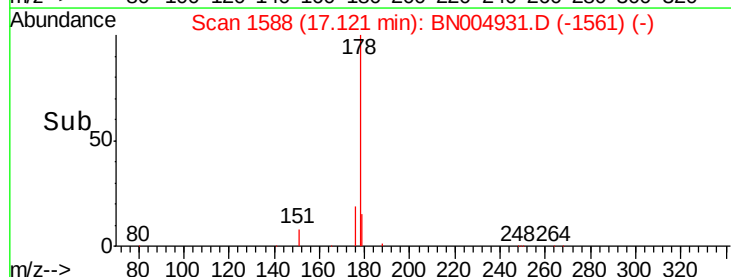
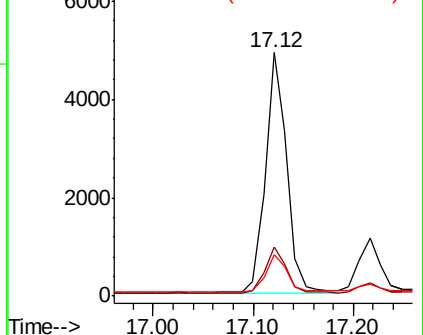
179 15.7 12.1 18.1

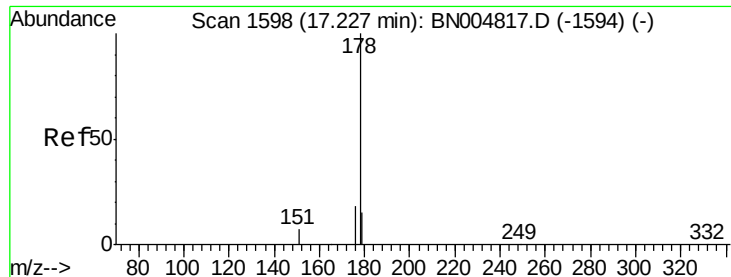


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.083 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Instrument :

BNA_N

ClientSampleId :

PST-072-SW090-031919

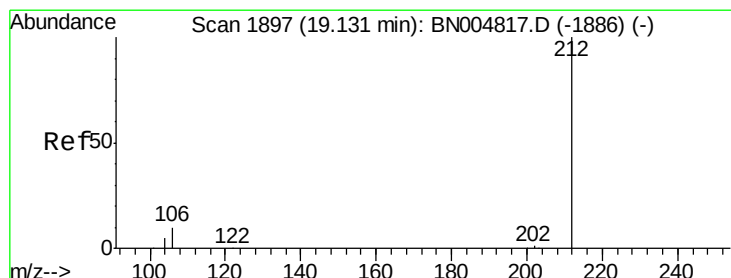
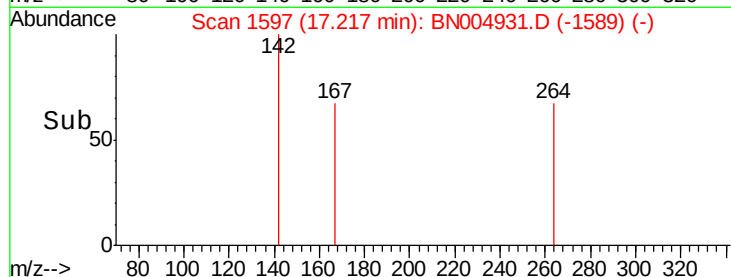
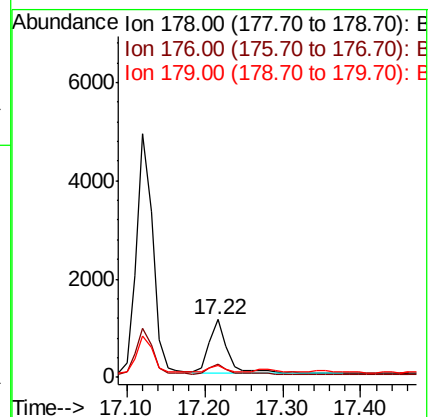
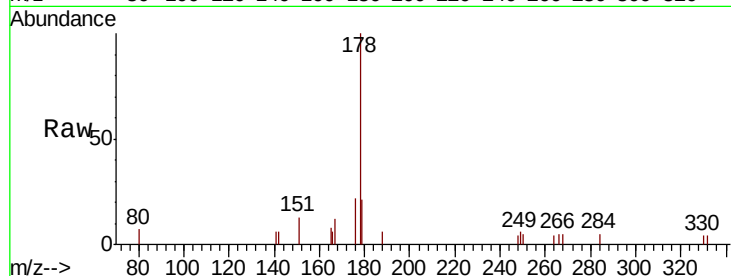
Tgt Ion:178 Resp: 1766

Ion Ratio Lower Upper

178 100

176 18.2 14.5 21.7

179 13.0 12.2 18.4



#25

Fluoranthene-d10

Concen: 0.375 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.02 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

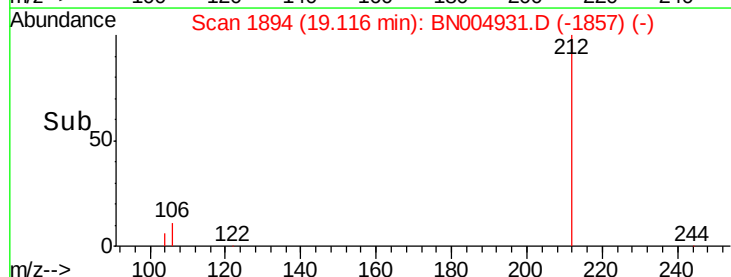
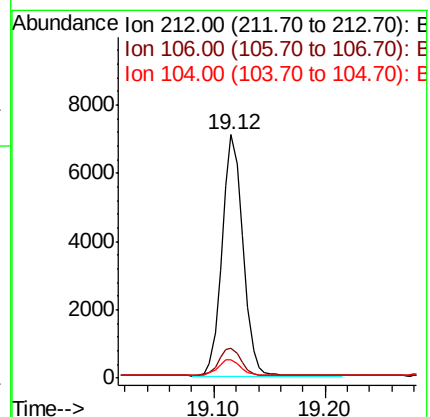
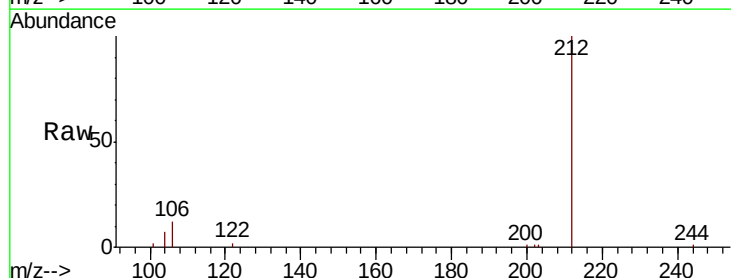
Tgt Ion:212 Resp: 9291

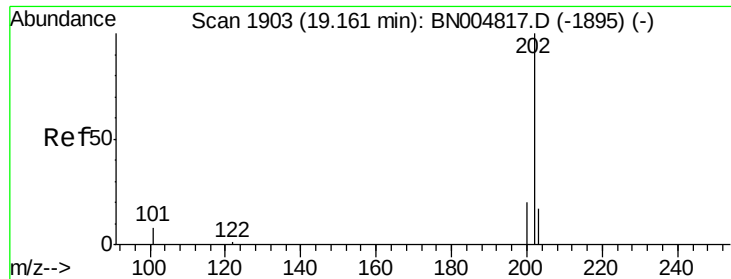
Ion Ratio Lower Upper

212 100

106 11.9 8.6 13.0

104 7.1 4.7 7.1#

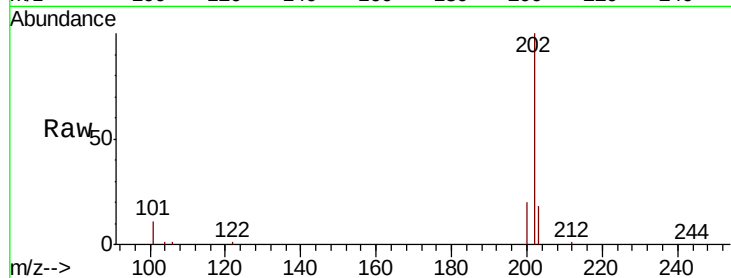




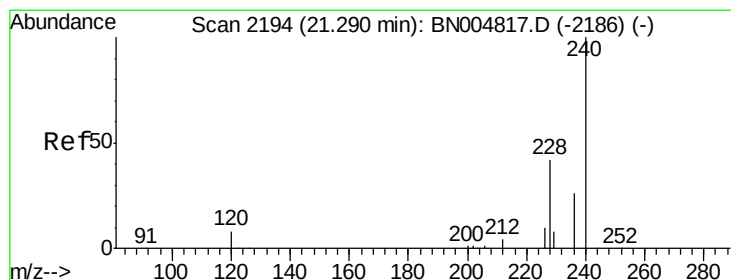
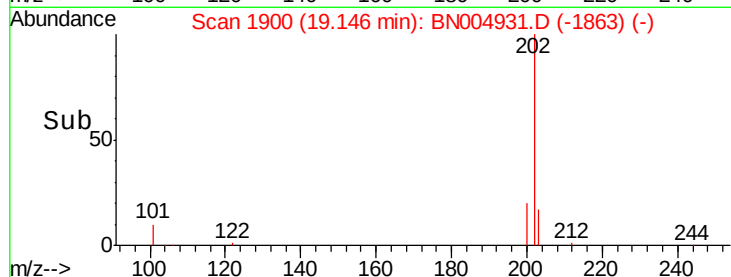
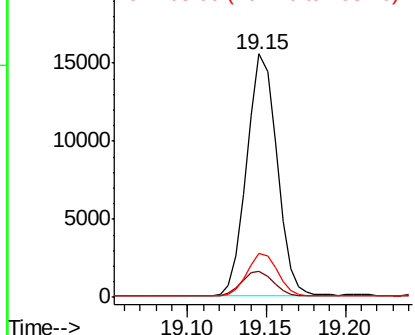
#26
Fluoranthene
Concen: 0.670 ng
RT: 19.15 min Scan# 1900
Delta R.T. -0.02 min
Lab File: BN004931.D
Acq: 23 Mar 2019 21:25

Instrument :
BNA_N
ClientSampleId :
PST-072-SW090-031919

Tgt Ion: 202 Resp: 20571
Ion Ratio Lower Upper
202 100
101 10.8 7.5 11.3
203 17.6 13.8 20.6

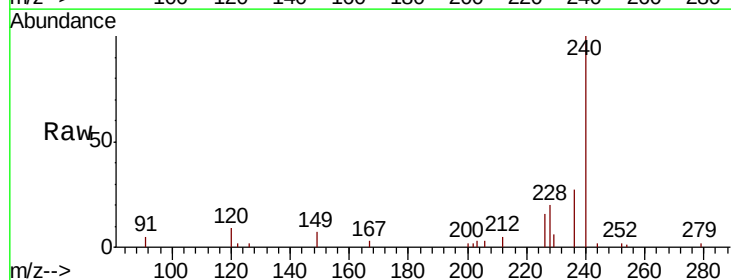


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

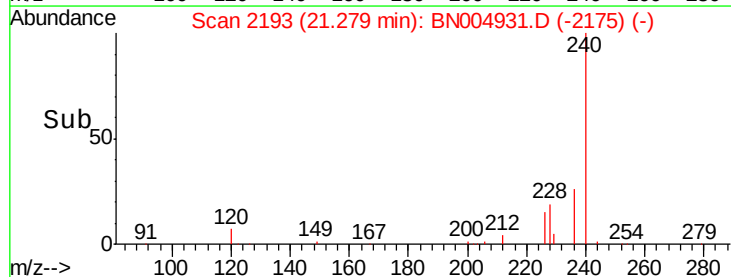
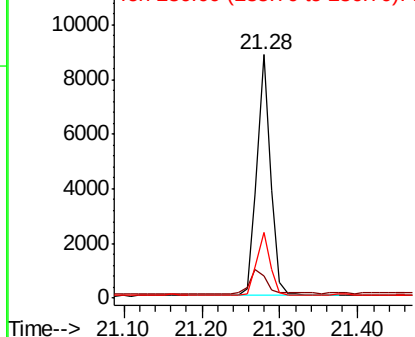


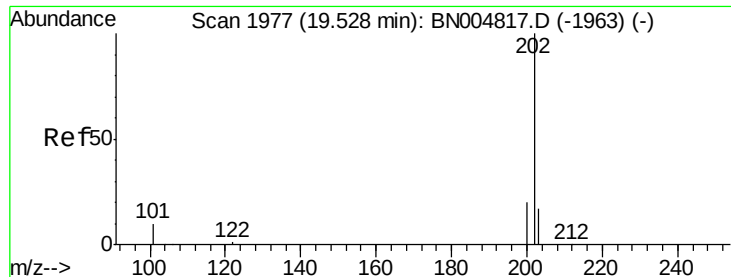
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004931.D
Acq: 23 Mar 2019 21:25

Tgt Ion: 240 Resp: 11073
Ion Ratio Lower Upper
240 100
120 9.2 7.2 10.8
236 26.8 20.9 31.3



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

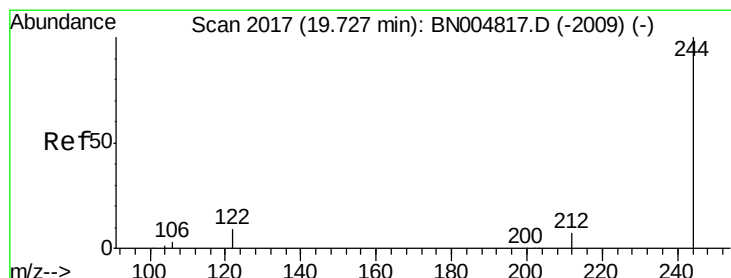
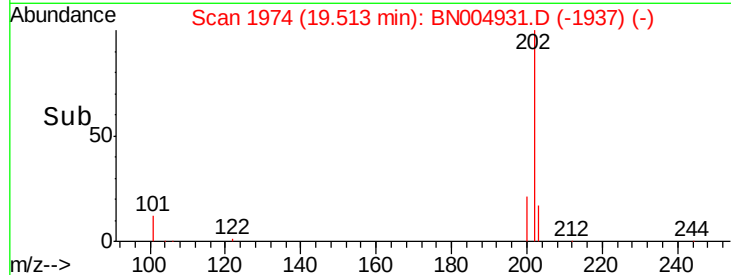
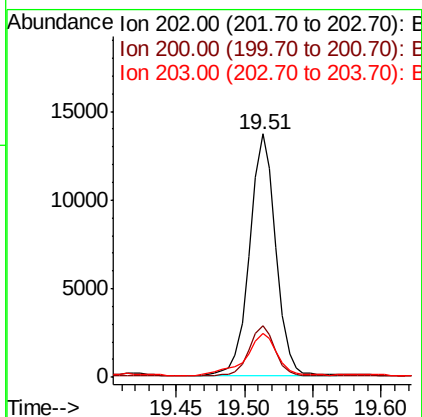
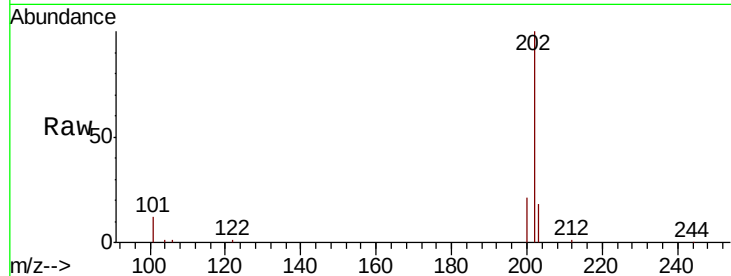




#28
 Pyrene
 Concen: 0.539 ng
 RT: 19.51 min Scan# 1974
 Delta R.T. -0.02 min
 Lab File: BN004931.D
 Acq: 23 Mar 2019 21:25

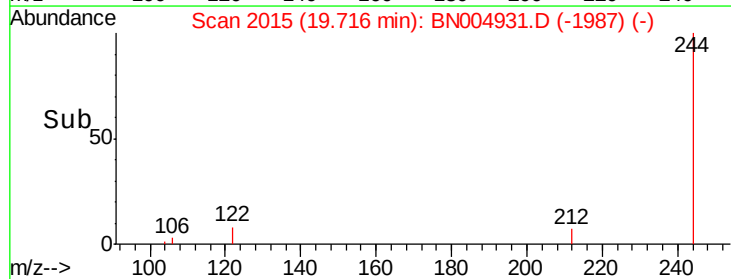
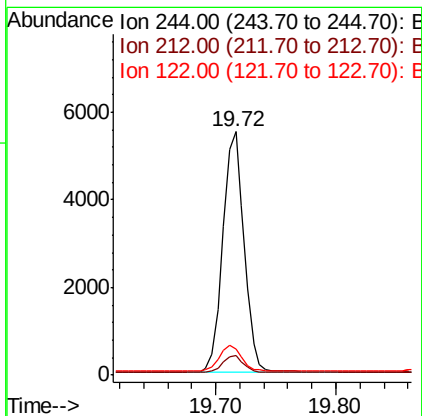
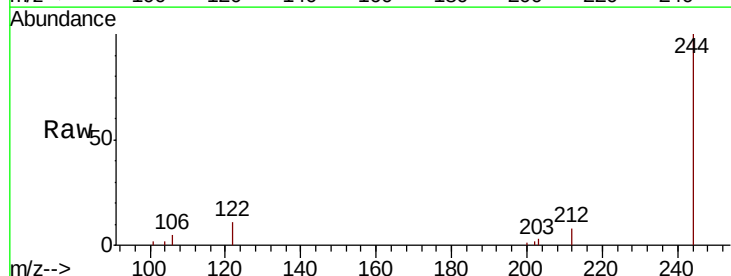
Instrument :
 BNA_N
 ClientSampleId :
 PST-072-SW090-031919

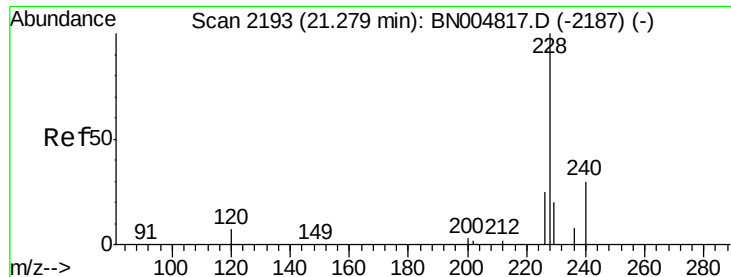
Tgt Ion:202 Resp: 18205
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.3 24.5
 203 20.4 14.0 21.0



#29
 Terphenyl-d14
 Concen: 0.297 ng
 RT: 19.72 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BN004931.D
 Acq: 23 Mar 2019 21:25

Tgt Ion:244 Resp: 6737
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.8 8.6
 122 10.8 7.9 11.9





#30

Benzo(a)anthracene

Concen: 0.368 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Instrument :

BNA_N

ClientSampleId :

PST-072-SW090-031919

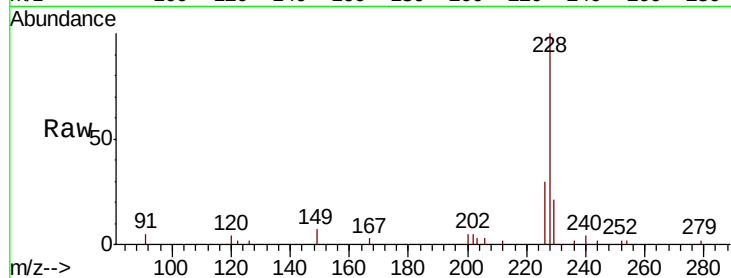
Tgt Ion:228 Resp: 13361

Ion Ratio Lower Upper

228 100

226 29.6 20.6 31.0

229 21.4 16.2 24.4

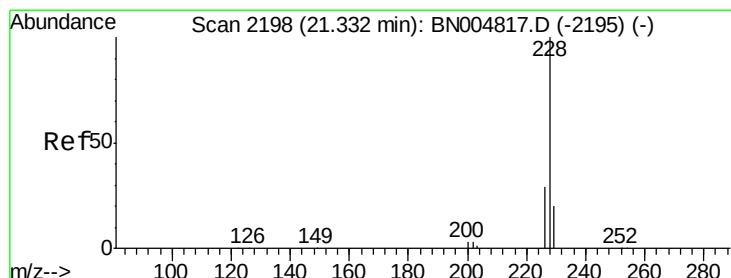
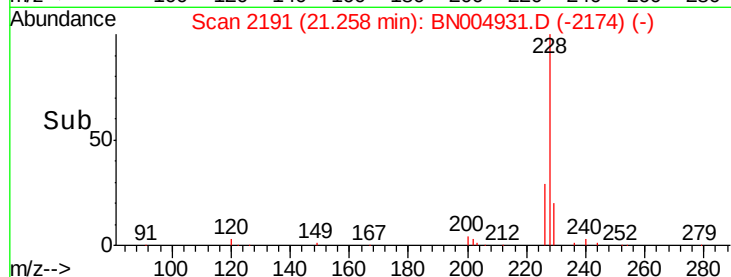
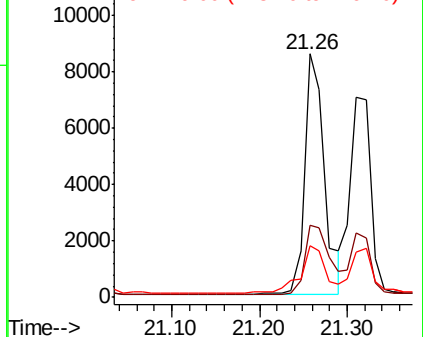


Abundance

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: 0.295 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

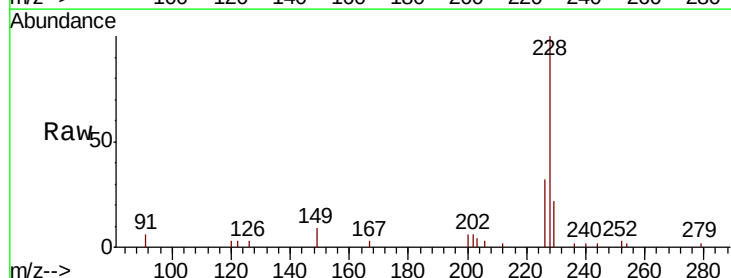
Tgt Ion:228 Resp: 11275

Ion Ratio Lower Upper

228 100

226 32.1 23.0 34.6

229 22.4 16.2 24.2

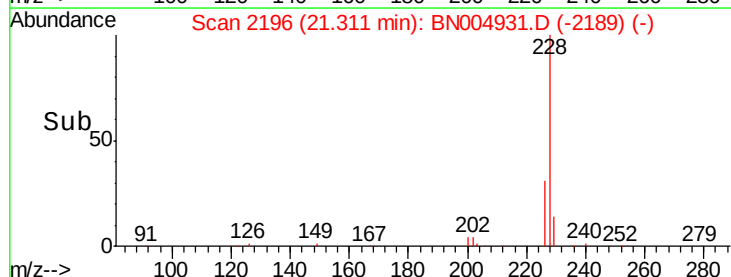
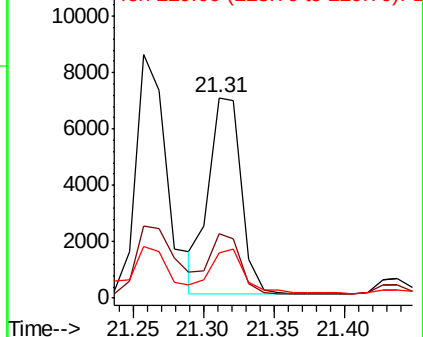


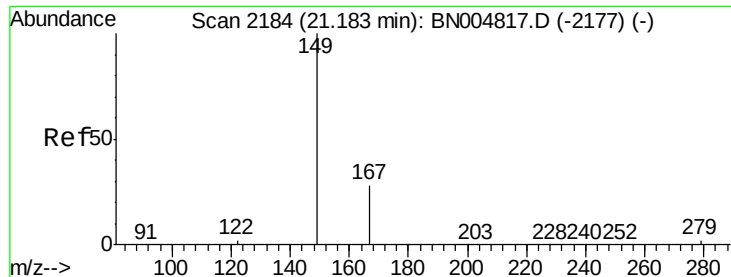
Abundance

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

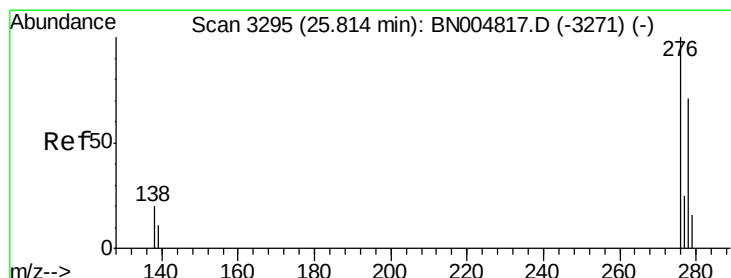
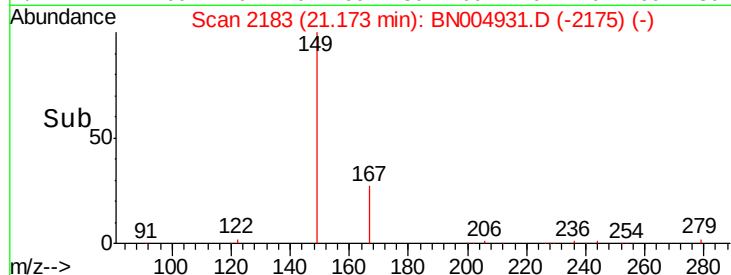
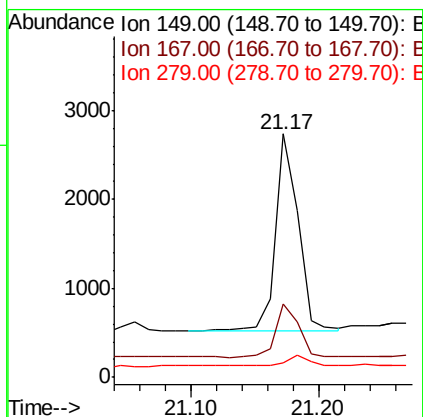
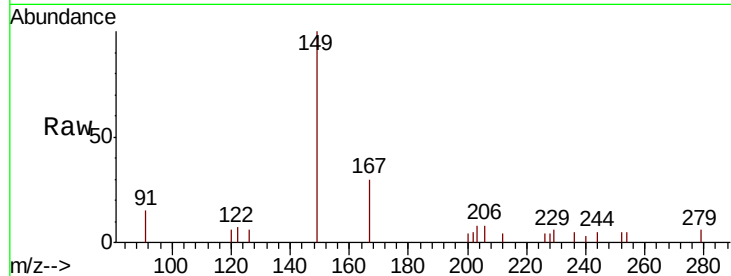




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.186 ng
 RT: 21.17 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: BN004931.D
 Acq: 23 Mar 2019 21:25

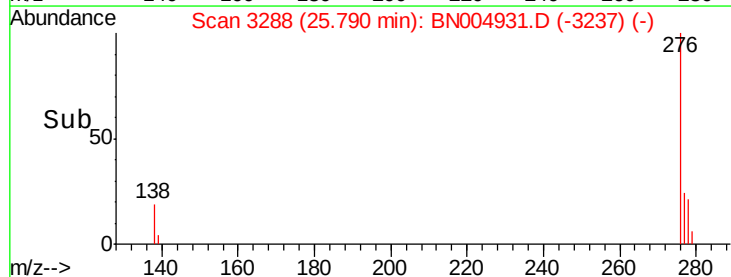
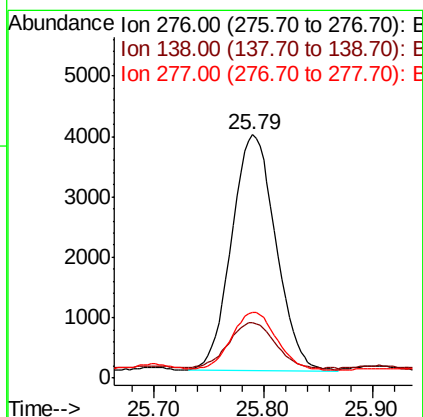
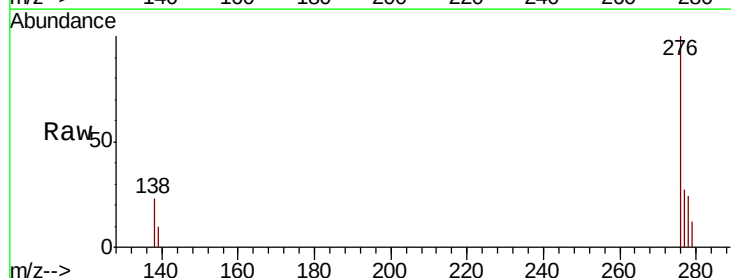
Instrument :
 BNA_N
 ClientSampleId :
 PST-072-SW090-031919

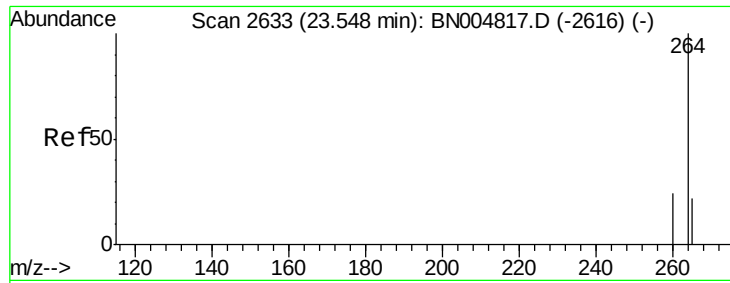
Tgt Ion: 149 Resp: 2693
 Ion Ratio Lower Upper
 149 100
 167 28.9 23.0 34.4
 279 5.1 4.6 6.8



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.198 ng
 RT: 25.79 min Scan# 3288
 Delta R.T. -0.02 min
 Lab File: BN004931.D
 Acq: 23 Mar 2019 21:25

Tgt Ion: 276 Resp: 10975
 Ion Ratio Lower Upper
 276 100
 138 20.3 16.6 24.8
 277 24.6 20.3 30.5





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.53 min Scan# 2627

Delta R.T. -0.02 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Instrument :

BNA_N

ClientSampleId :

PST-072-SW090-031919

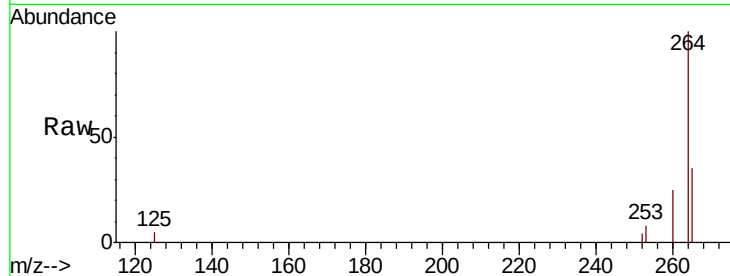
Tgt Ion:264 Resp: 14682

Ion Ratio Lower Upper

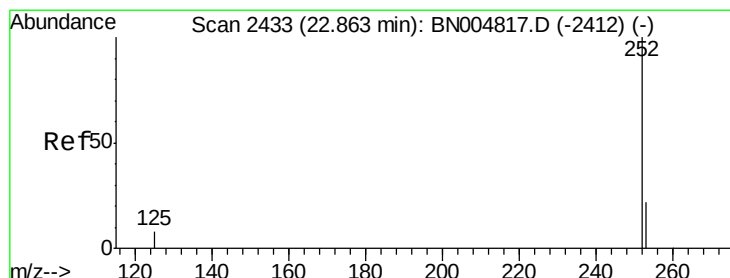
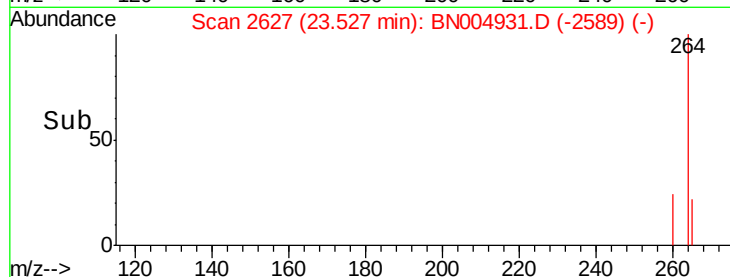
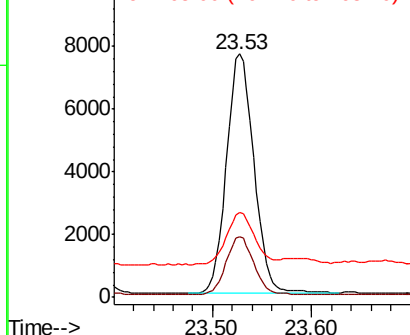
264 100

260 24.7 19.5 29.3

265 34.7 23.1 34.7#



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: 0.344 ng

RT: 22.85 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

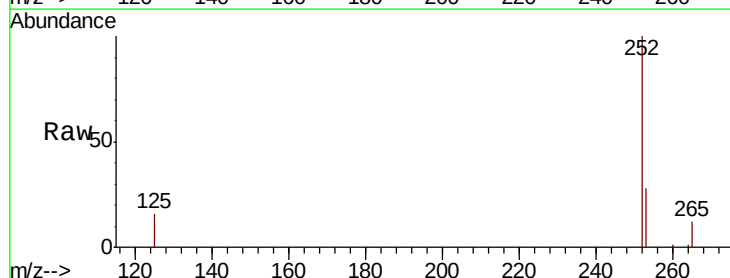
Tgt Ion:252 Resp: 18263

Ion Ratio Lower Upper

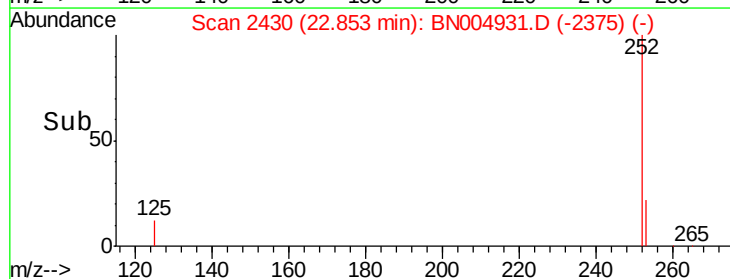
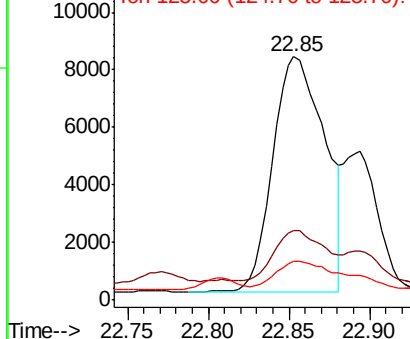
252 100

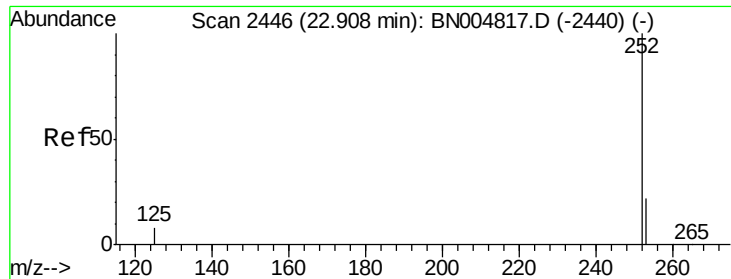
253 28.3 19.0 28.4

125 15.8 7.4 11.2#



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: 0.350 ng

RT: 22.85 min Scan# 2430

Delta R.T. -0.05 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Instrument :

BNA_N

ClientSampleId :

PST-072-SW090-031919

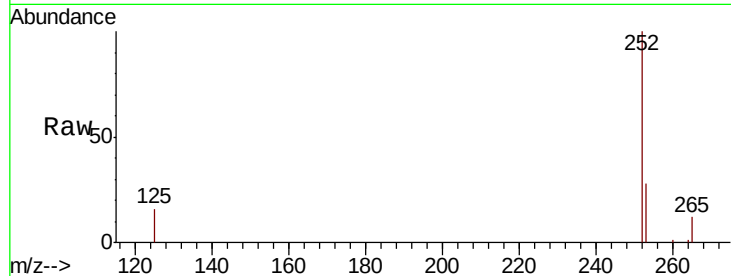
Tgt Ion:252 Resp: 18263

Ion Ratio Lower Upper

252 100

253 28.3 19.3 28.9

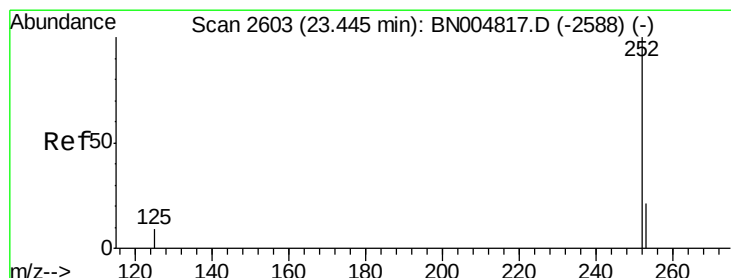
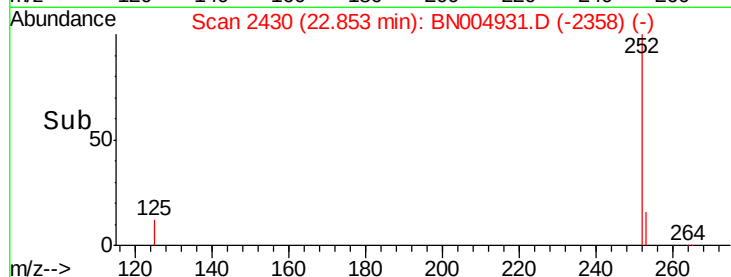
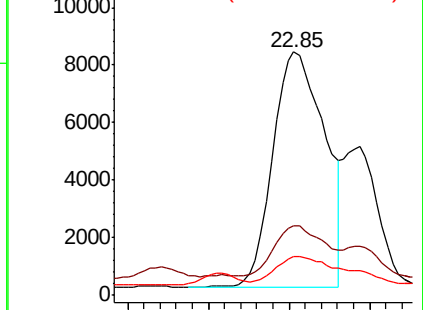
125 15.8 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.284 ng

RT: 23.43 min Scan# 2598

Delta R.T. -0.02 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

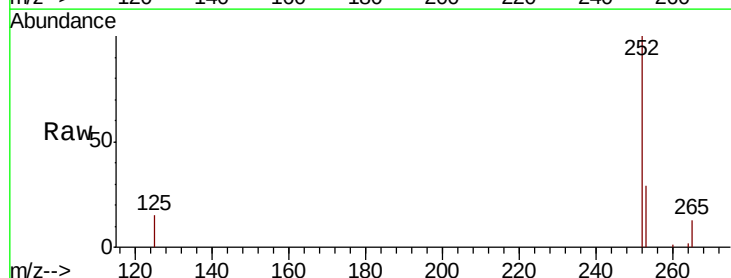
Tgt Ion:252 Resp: 13818

Ion Ratio Lower Upper

252 100

253 29.4 19.7 29.5

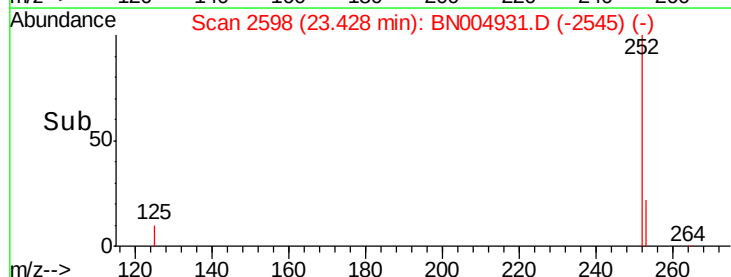
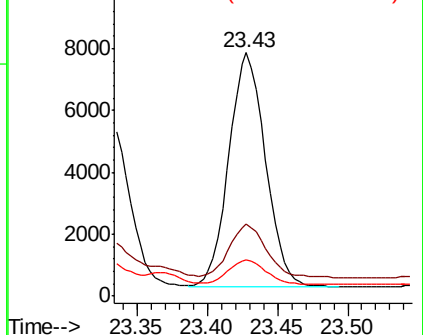
125 14.7 8.3 12.5#

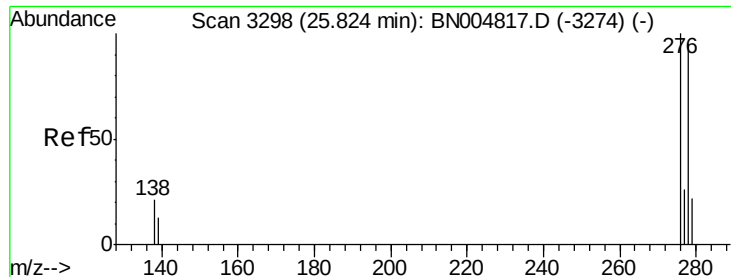


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.054 ng

RT: 25.80 min Scan# 3290

Delta R.T. -0.03 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

Instrument :

BNA_N

ClientSampleId :

PST-072-SW090-031919

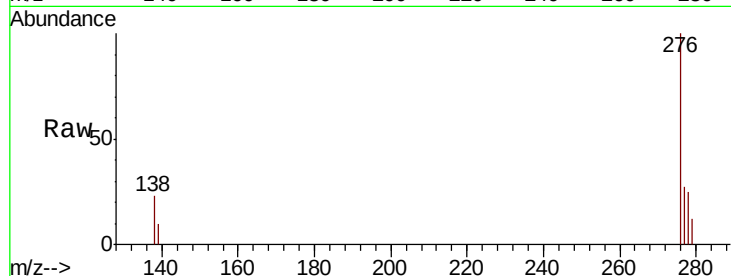
Tgt Ion: 278 Resp: 3024

Ion Ratio Lower Upper

278 100

139 38.5 11.7 17.5#

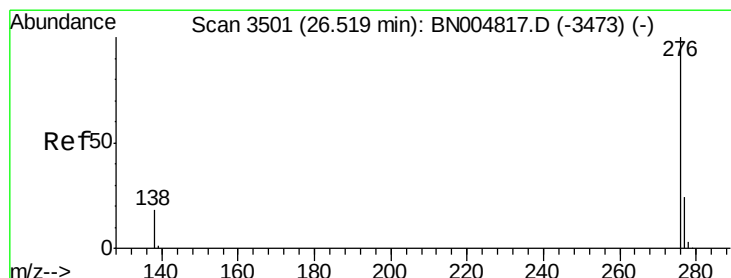
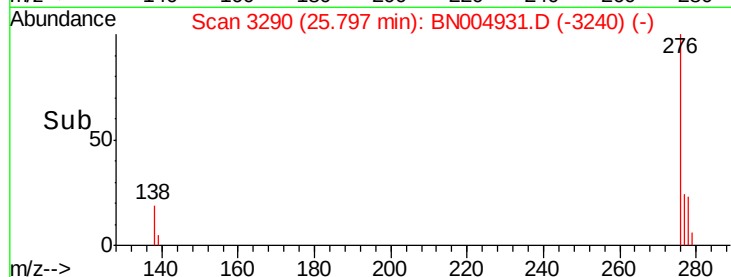
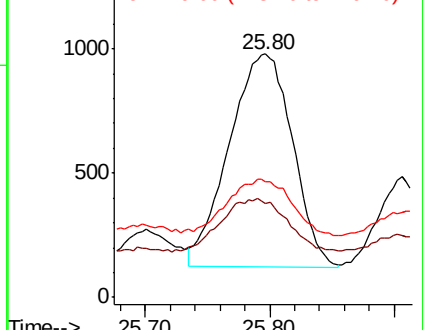
279 47.5 19.9 29.9#



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(g,h,i)perylene

Concen: 0.172 ng

RT: 26.49 min Scan# 3492

Delta R.T. -0.03 min

Lab File: BN004931.D

Acq: 23 Mar 2019 21:25

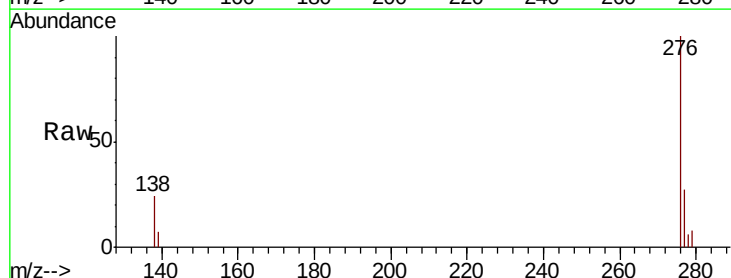
Tgt Ion: 276 Resp: 9902

Ion Ratio Lower Upper

276 100

277 27.2 19.7 29.5

138 23.5 14.6 22.0#



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

