

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100319\
 Data File : BN007999.D
 Acq On : 04 Oct 2019 02:23
 Operator : JU
 Sample : K5077-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B279-092519

Quant Time: Oct 04 05:42:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 03 18:39:49 2019
 Response via : Initial Calibration

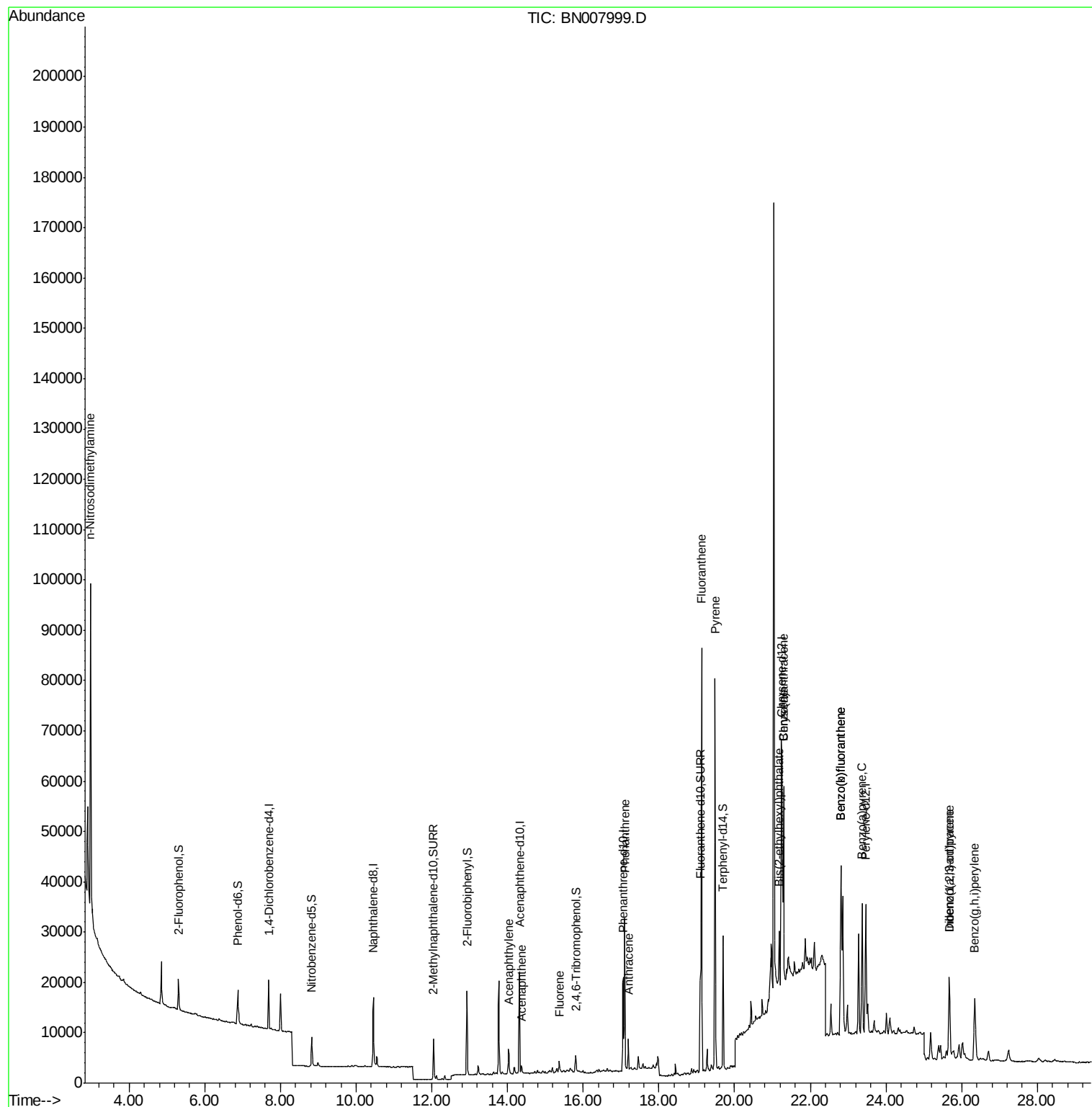
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	4787	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	19818	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	12607	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	27544	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	30062	0.40	ng	-0.02
34) Perylene-d12	23.46	264	32369	0.40	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	5188	0.31	ng	0.00
5) Phenol-d6	6.87	99	7344	0.36	ng	0.00
8) Nitrobenzene-d5	8.82	82	5468	0.32	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	11465	0.34	ng	-0.02
14) 2,4,6-Tribromophenol	15.81	330	2389	0.35	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	15614	0.30	ng	-0.01
25) Fluoranthene-d10	19.09	212	32689	0.35	ng	-0.01
29) Terphenyl-d14	19.69	244	26613	0.36	ng	-0.02
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	2.98	42	6033	2.469	ng	# 82
16) Acenaphthylene	14.02	152	6878	0.103	ng	99
17) Acenaphthene	14.37	154	884	0.021	ng	99
18) Fluorene	15.36	166	1688	0.031	ng	# 87
23) Phenanthrene	17.09	178	33798	0.394	ng	100
24) Anthracene	17.19	178	6142	0.079	ng	98
26) Fluoranthene	19.12	202	75286	0.706	ng	99
28) Pyrene	19.49	202	70246	0.685	ng	# 96
30) Benzo(a)anthracene	21.29	228	39218	0.354	ng	93
31) Chrysene	21.29	228	39200	0.363	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	11259	0.198	ng	96
33) Indeno(1,2,3-cd)pyrene	25.67	276	26182	0.194	ng	# 95
35) Benzo(b)fluoranthene	22.81	252	53168	0.473	ng	# 84
36) Benzo(k)fluoranthene	22.81	252	53168	0.478	ng	# 85
37) Benzo(a)pyrene	23.37	252	34177	0.324	ng	# 81
38) Dibenzo(a,h)anthracene	25.68	278	6719	0.062	ng	# 34
39) Benzo(g,h,i)perylene	26.35	276	25867	0.242	ng	# 89

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

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QLast Update : Thu Oct 03 18:39:49 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.69 min Scan# 603

Delta R.T. -0.02 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

ClientSampleId :

PST-024-B279-092519

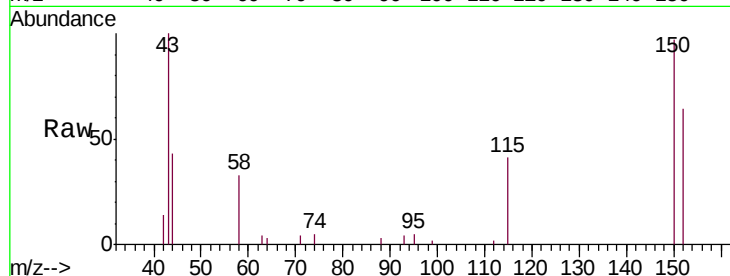
Tgt Ion:152 Resp: 4787

Ion Ratio Lower Upper

152 100

150 150.5 125.6 188.4

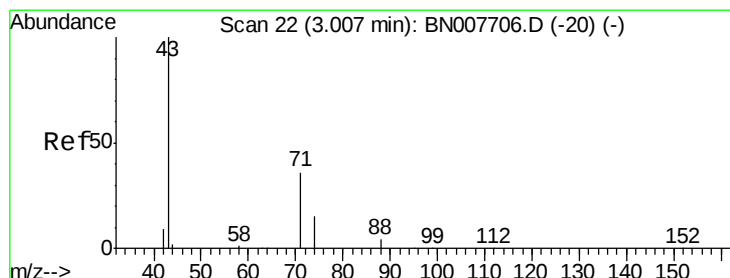
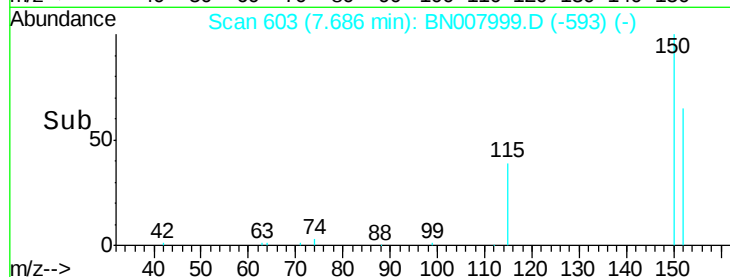
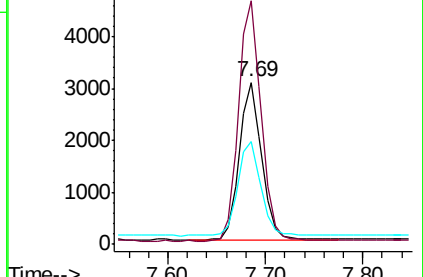
115 63.9 53.3 79.9



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: 2.469 ng

RT: 2.98 min Scan# 19

Delta R.T. -0.02 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

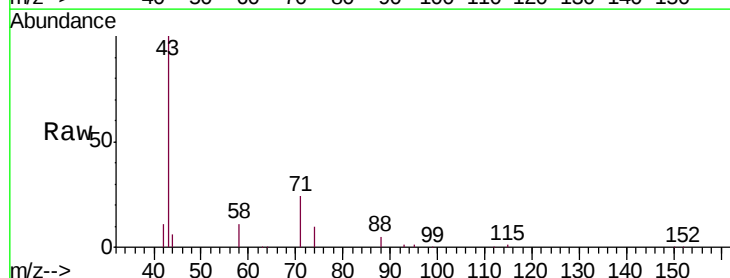
Tgt Ion: 42 Resp: 6033

Ion Ratio Lower Upper

42 100

74 133.4 87.9 131.9#

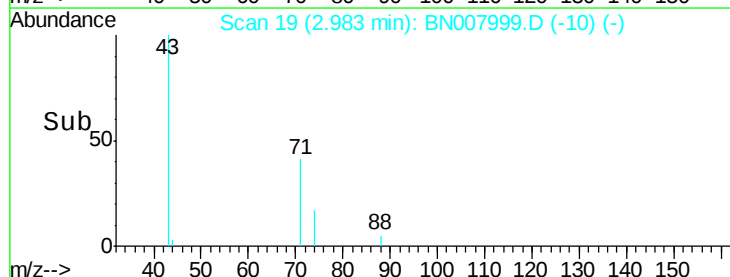
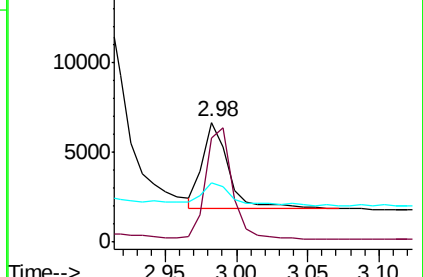
44 32.7 29.4 44.0



Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC





#4

2-Fluorophenol

Concen: 0.315 ng

RT: 5.31 min Scan# 308

Delta R.T. -0.01 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

ClientSampleId :

PST-024-B279-092519

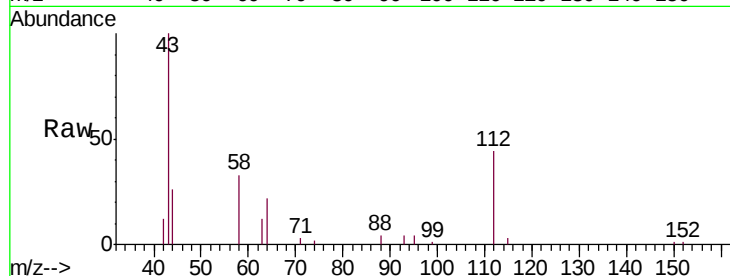
Tgt Ion: 112 Resp: 5188

Ion Ratio Lower Upper

112 100

64 57.8 46.6 70.0

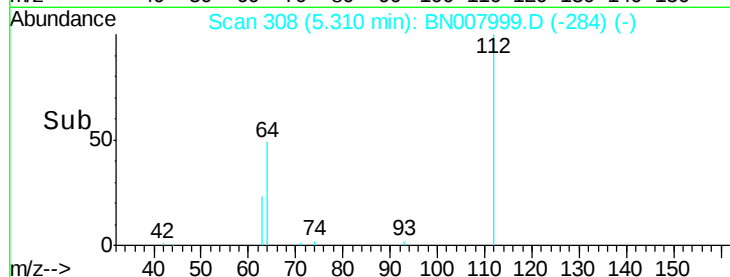
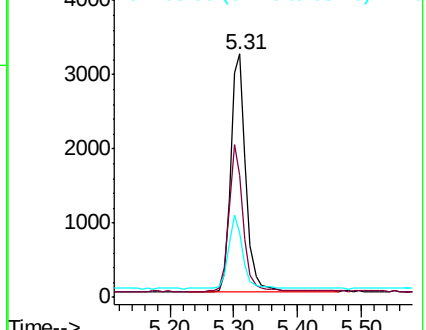
63 29.2 23.1 34.7



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

Phenol-d6

Concen: 0.357 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

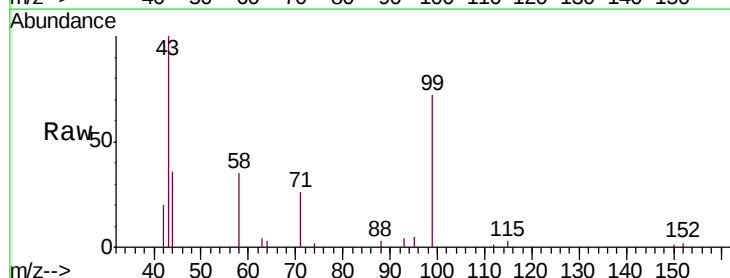
Tgt Ion: 99 Resp: 7344

Ion Ratio Lower Upper

99 100

42 17.0 12.8 19.2

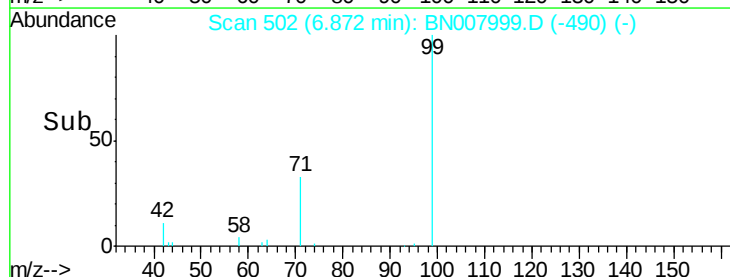
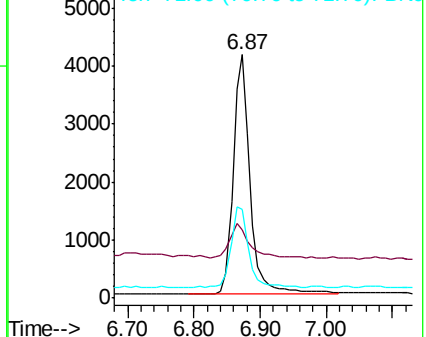
71 36.4 27.6 41.4



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

ClientSampleId :

PST-024-B279-092519

Tgt Ion:136 Resp: 19818

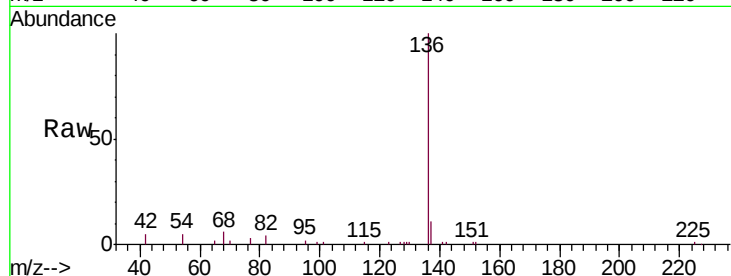
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 5.4 5.8 8.8#

68 6.1 6.5 9.7#

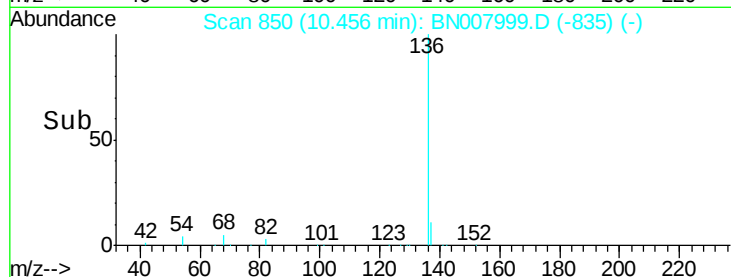
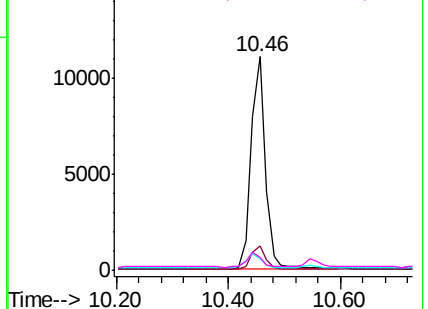


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.315 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

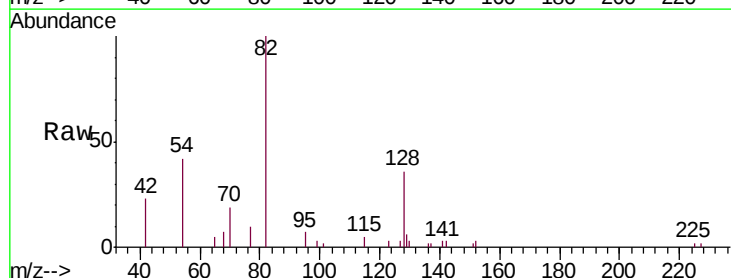
Tgt Ion: 82 Resp: 5468

Ion Ratio Lower Upper

82 100

128 35.6 24.5 36.7

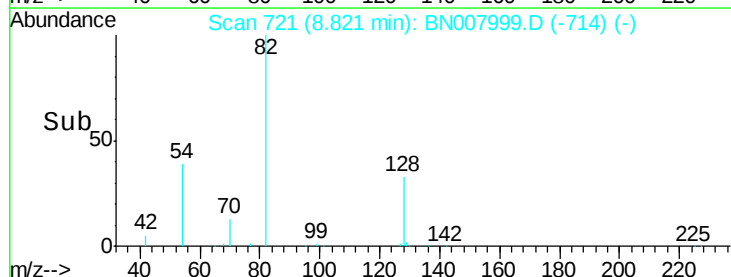
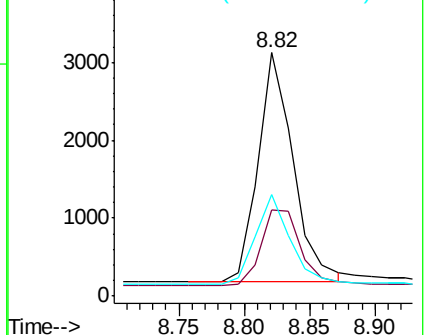
54 41.8 35.2 52.8



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

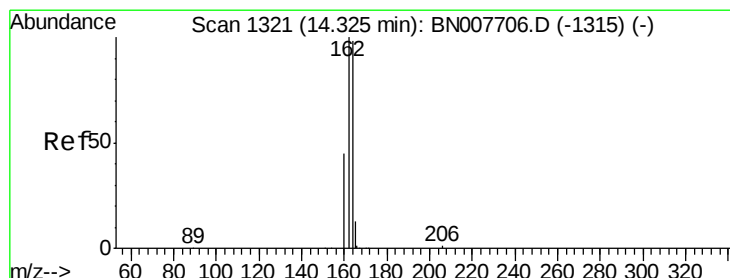
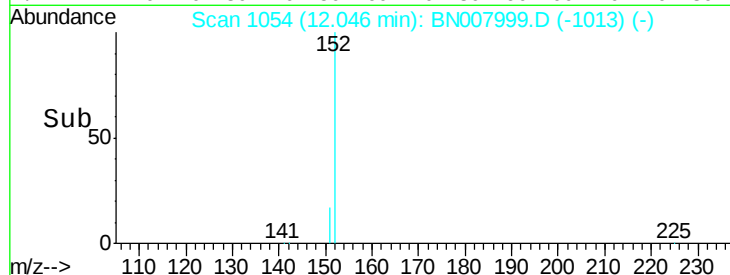
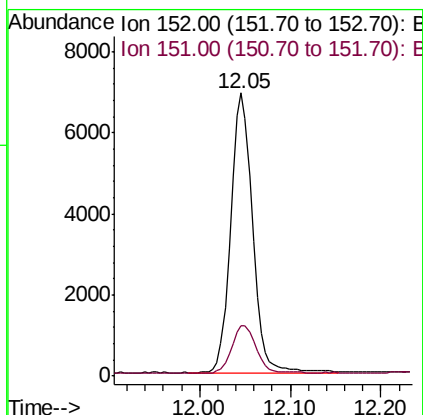
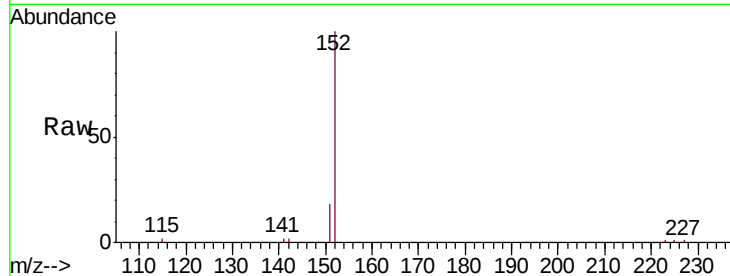




#11
2-Methylnaphthalene-d10
Concen: 0.343 ng
RT: 12.05 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

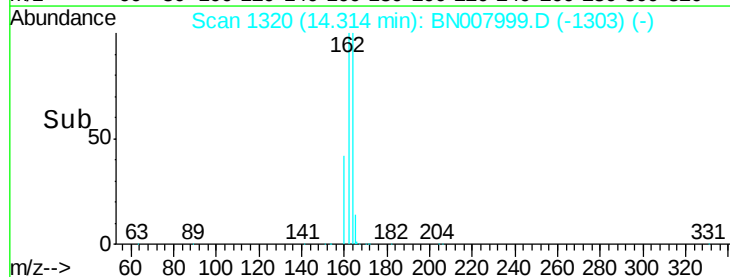
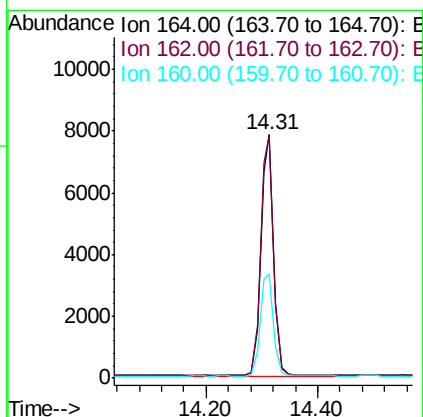
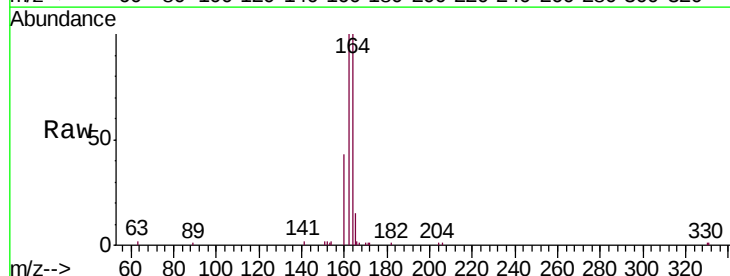
Instrument :
BNA_N
ClientSampleId :
PST-024-B279-092519

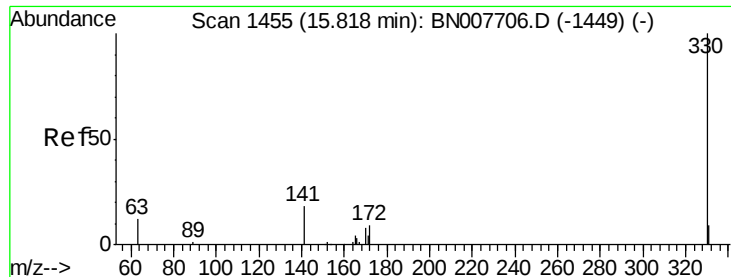
Tgt Ion:152 Resp: 11465
Ion Ratio Lower Upper
152 100
151 19.2 15.4 23.2



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007999.D
Acq: 04 Oct 2019 02:23

Tgt Ion:164 Resp: 12607
Ion Ratio Lower Upper
164 100
162 99.7 81.7 122.5
160 43.0 37.0 55.4

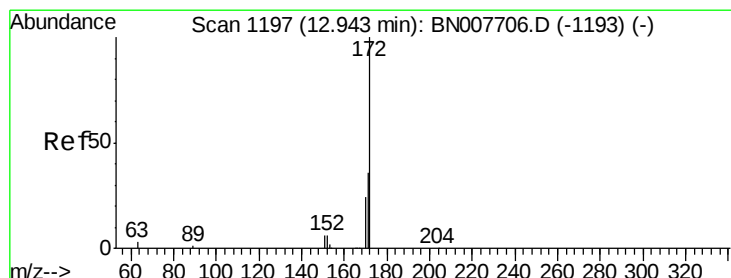
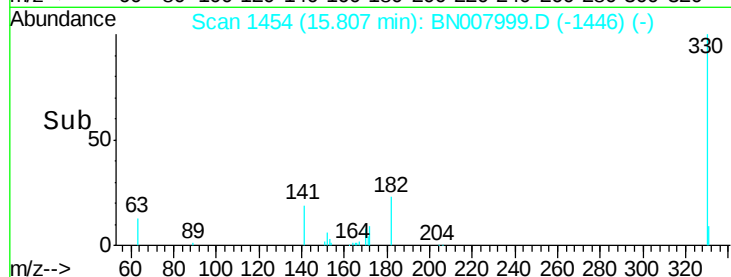
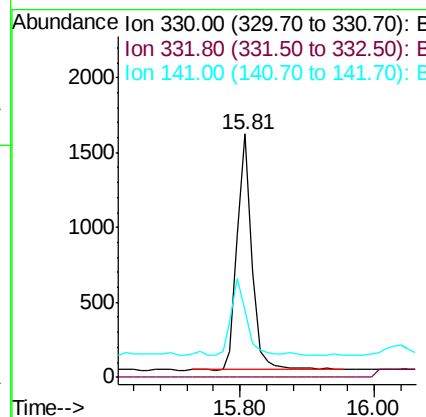
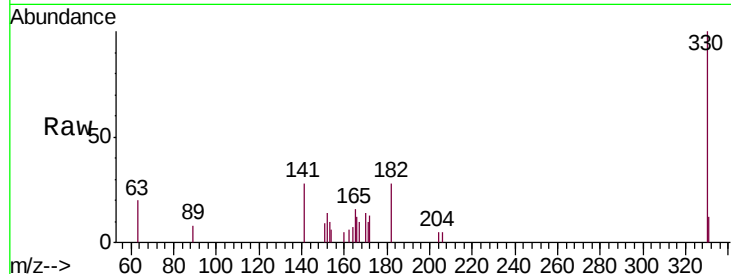




#14
 2,4,6-Tribromophenol
 Concen: 0.348 ng
 RT: 15.81 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BN007999.D
 Acq: 04 Oct 2019 02:23

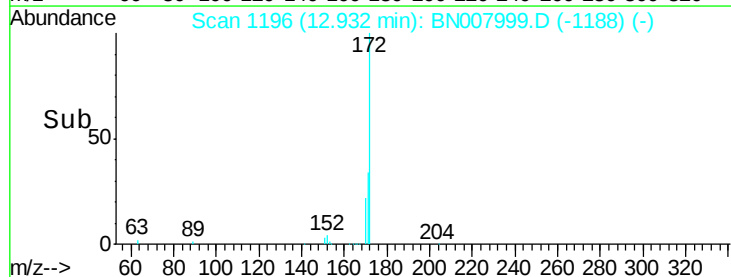
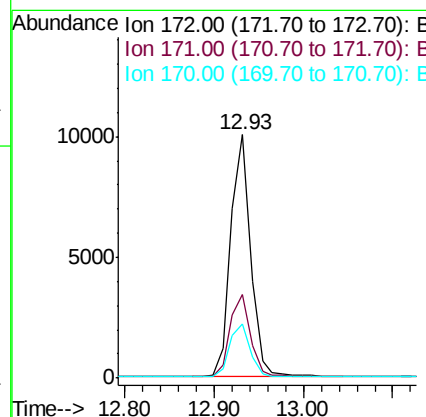
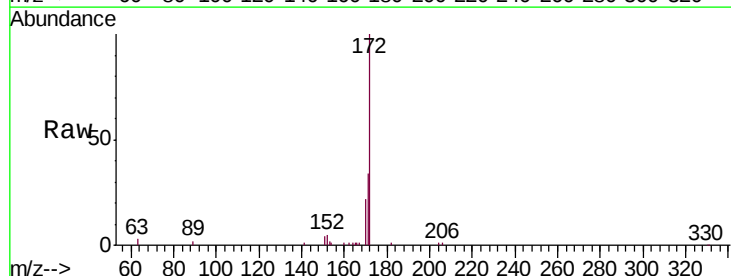
Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B279-092519

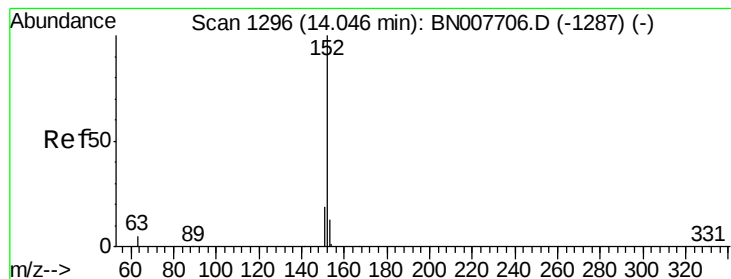
Tgt Ion: 330 Resp: 2389
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 36.1 28.7 43.1



#15
 2-Fluorobiphenyl
 Concen: 0.301 ng
 RT: 12.93 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BN007999.D
 Acq: 04 Oct 2019 02:23

Tgt Ion: 172 Resp: 15614
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.8 43.2
 170 22.4 19.5 29.3





#16

Acenaphthylene

Concen: 0.103 ng

RT: 14.02 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

ClientSampleId :

PST-024-B279-092519

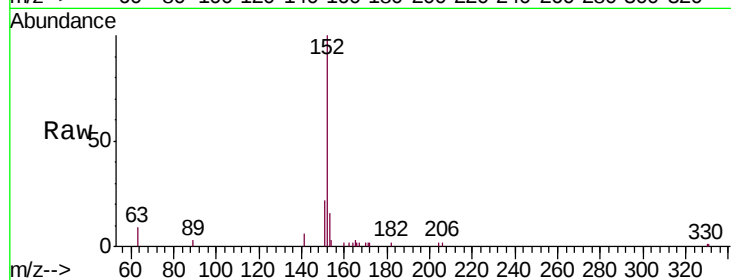
Tgt Ion:152 Resp: 6878

Ion Ratio Lower Upper

152 100

151 20.3 15.5 23.3

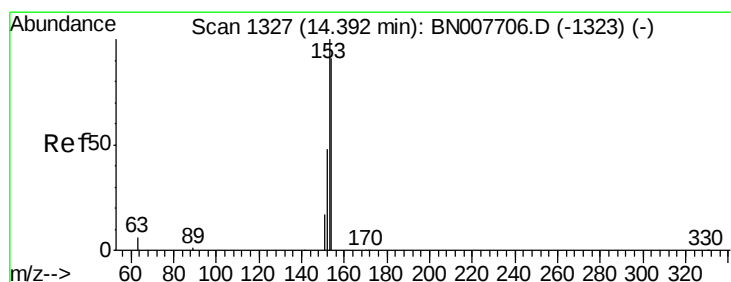
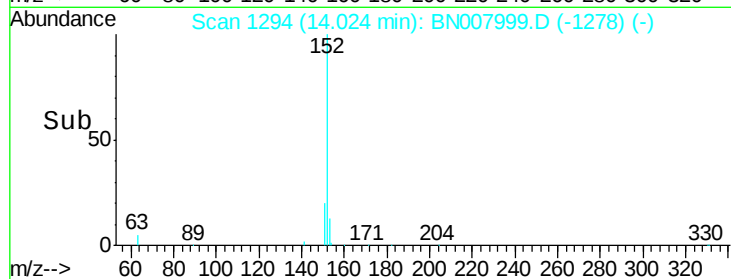
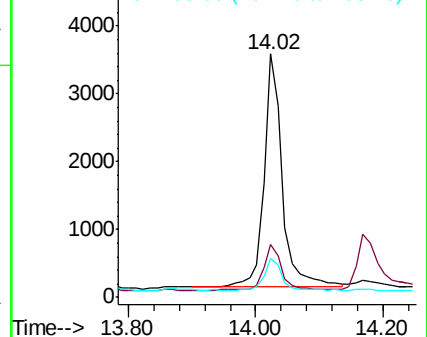
153 13.2 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 0.021 ng

RT: 14.37 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

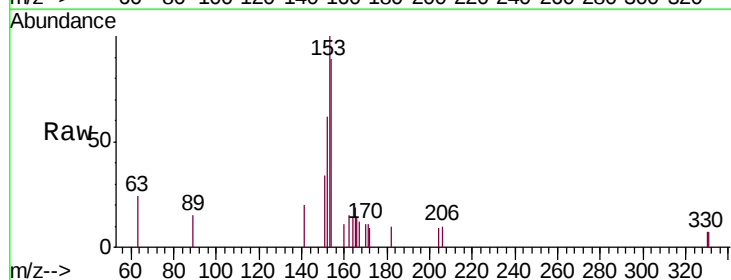
Tgt Ion:154 Resp: 884

Ion Ratio Lower Upper

154 100

153 106.9 87.0 130.4

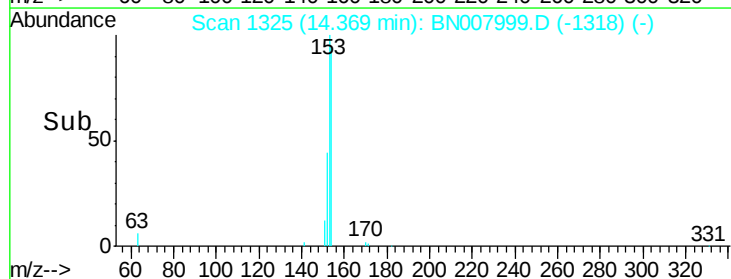
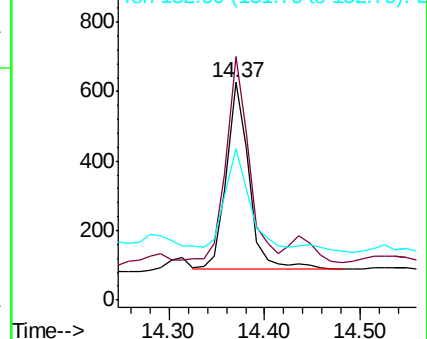
152 52.8 42.7 64.1

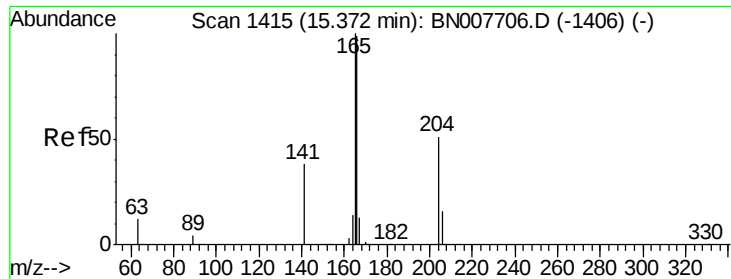


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.031 ng

RT: 15.36 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

ClientSampleId :

PST-024-B279-092519

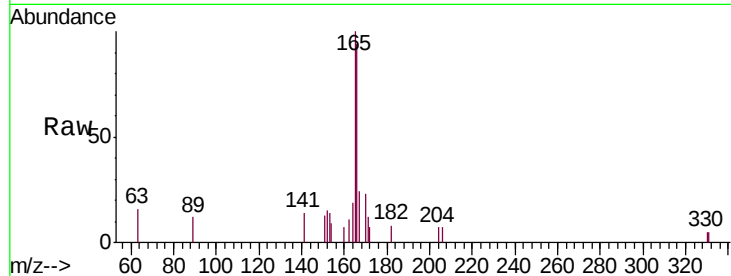
Tgt Ion:166 Resp: 1688

Ion Ratio Lower Upper

166 100

165 110.9 78.0 117.0

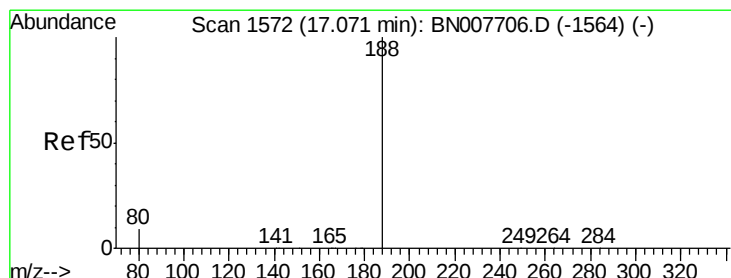
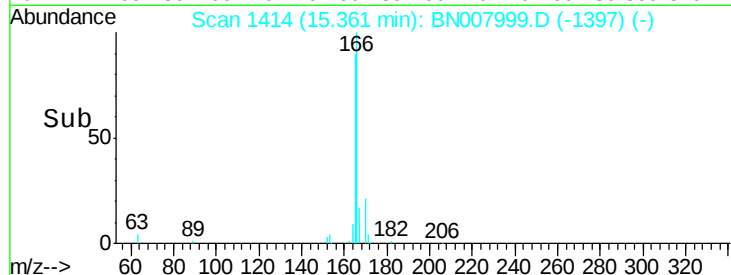
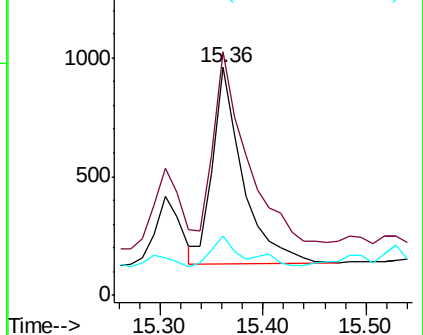
167 18.3 10.9 16.3#



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: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

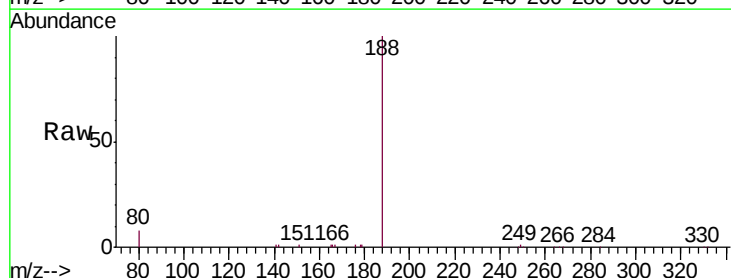
Tgt Ion:188 Resp: 27544

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

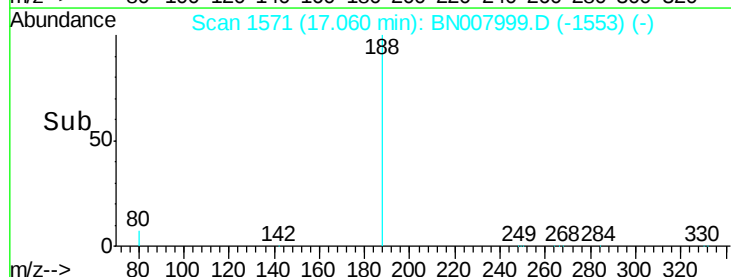
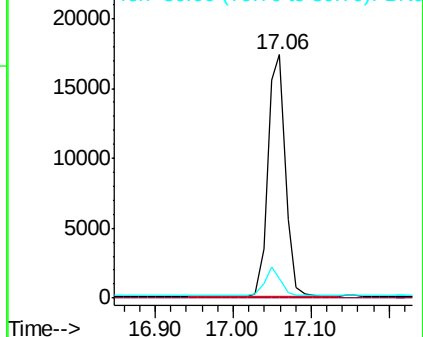
80 8.1 7.4 11.2

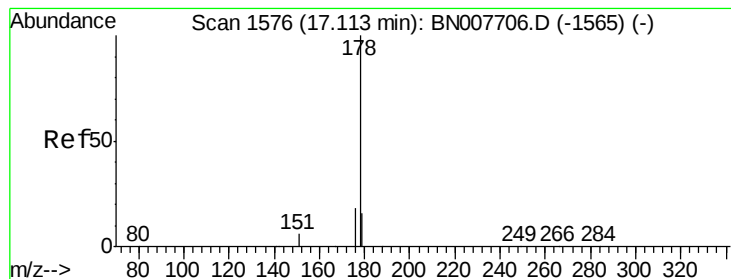


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.394 ng

RT: 17.09 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

ClientSampleId :

PST-024-B279-092519

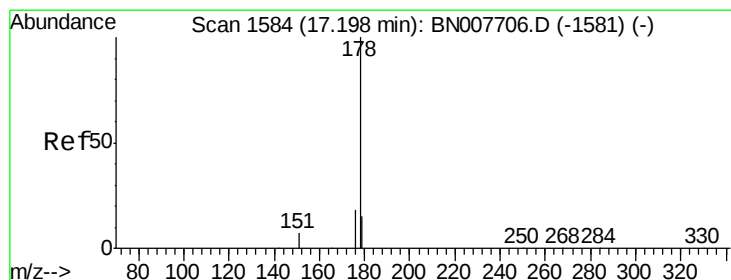
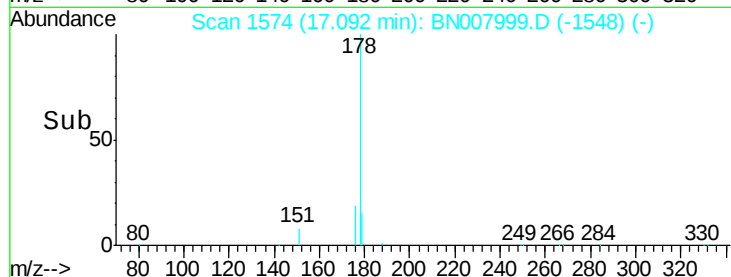
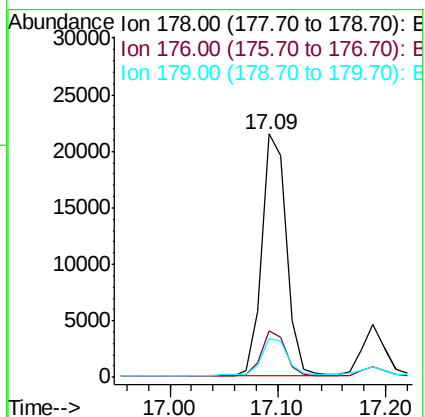
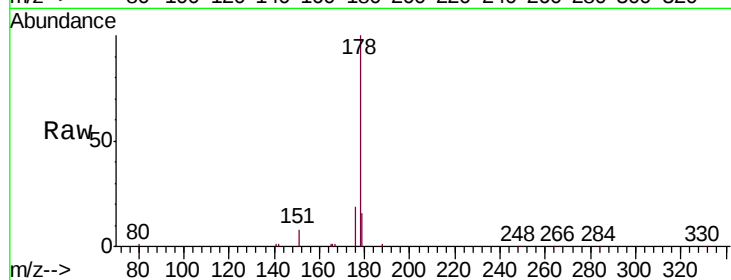
Tgt Ion:178 Resp: 33798

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 15.9 12.5 18.7



#24

Anthracene

Concen: 0.079 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

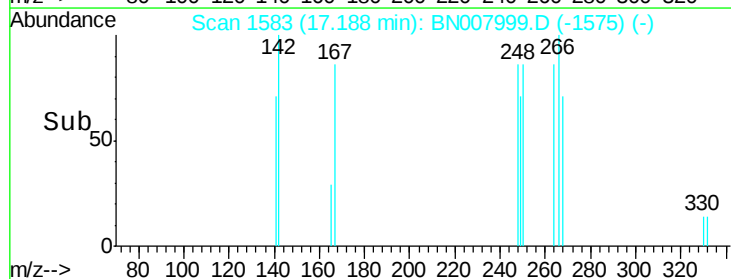
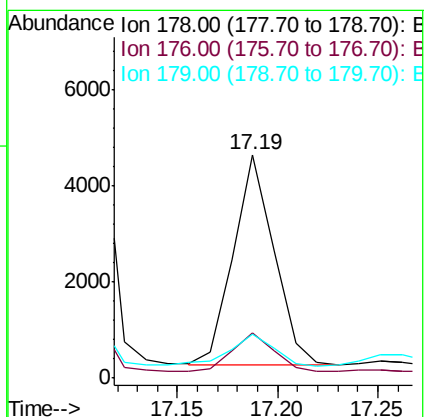
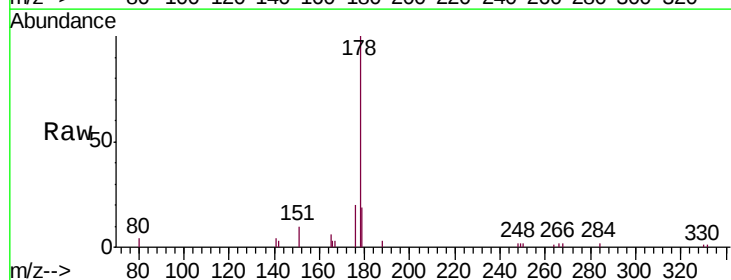
Tgt Ion:178 Resp: 6142

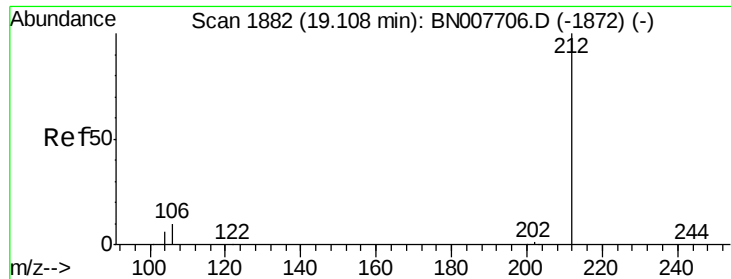
Ion Ratio Lower Upper

178 100

176 18.1 14.6 21.8

179 16.9 12.2 18.4





#25

Fluoranthene-d10

Concen: 0.352 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

ClientSampleId :

PST-024-B279-092519

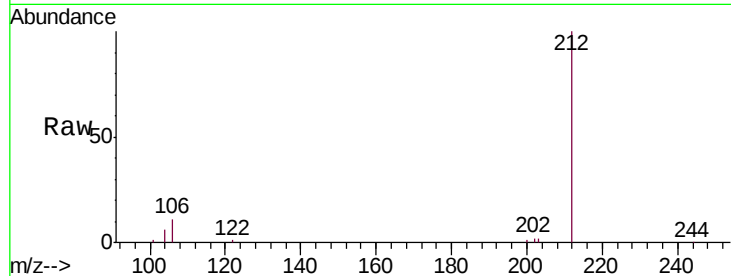
Tgt Ion:212 Resp: 32689

Ion Ratio Lower Upper

212 100

106 11.2 9.4 14.0

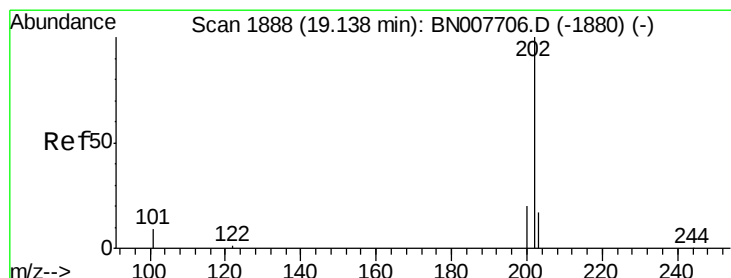
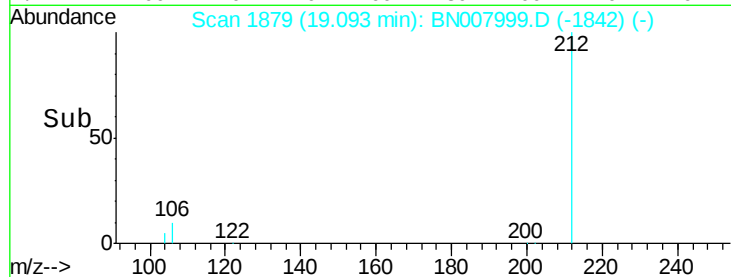
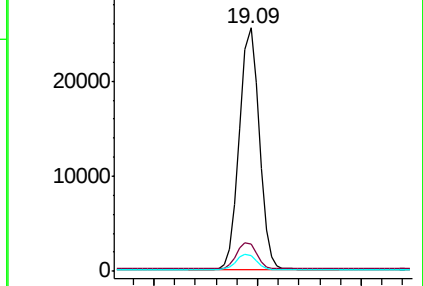
104 6.4 5.3 7.9



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: 0.706 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

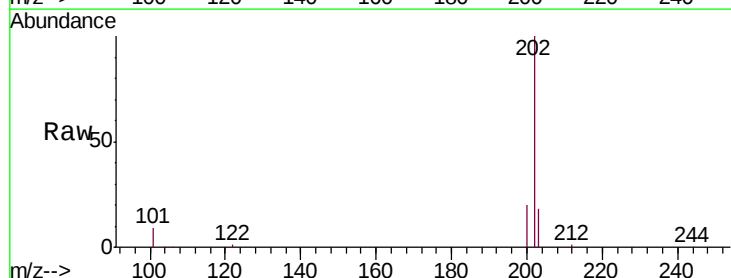
Tgt Ion:202 Resp: 75286

Ion Ratio Lower Upper

202 100

101 10.2 8.4 12.6

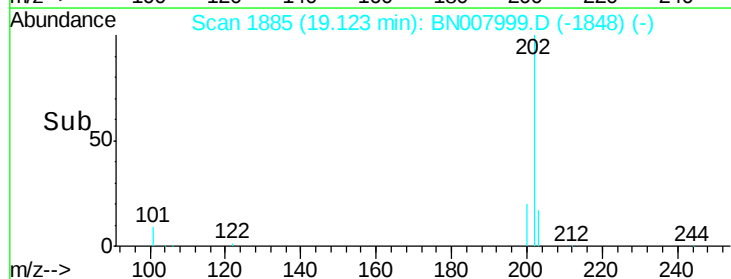
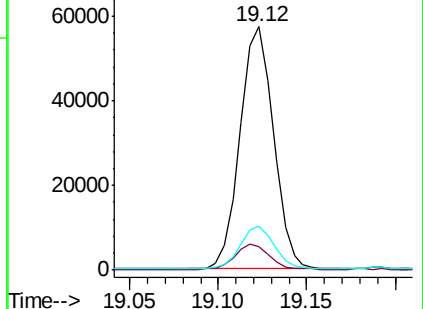
203 17.6 13.8 20.8

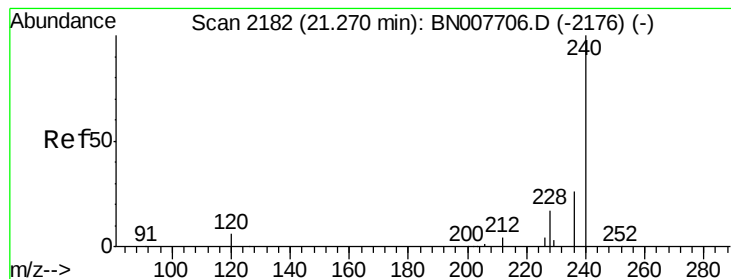


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.25 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

ClientSampleId :

PST-024-B279-092519

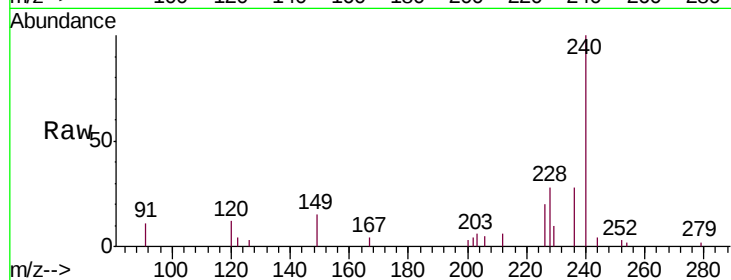
Tgt Ion:240 Resp: 30062

Ion Ratio Lower Upper

240 100

120 11.6 5.4 8.2#

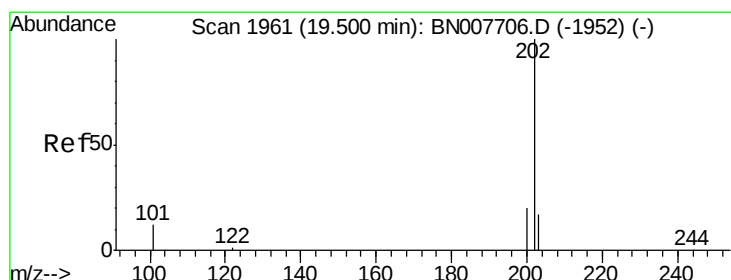
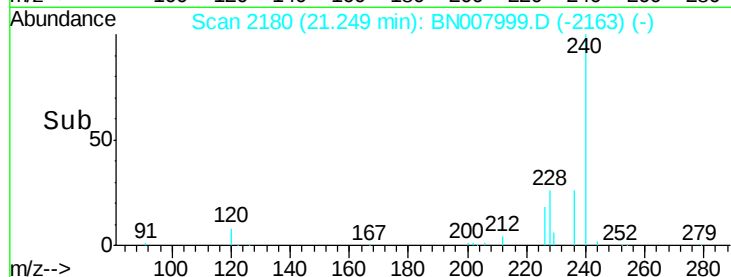
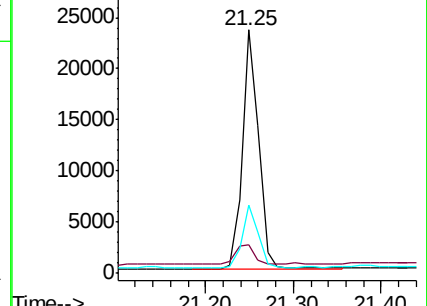
236 27.8 21.0 31.4



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: 0.685 ng

RT: 19.49 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

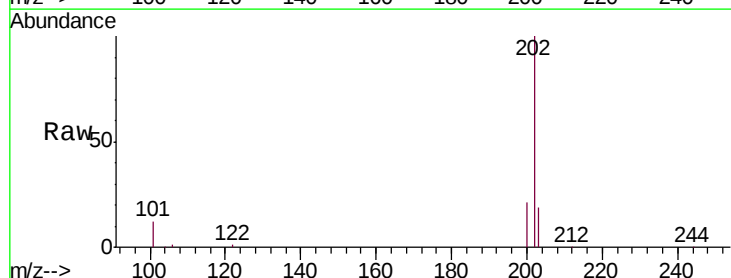
Tgt Ion:202 Resp: 70246

Ion Ratio Lower Upper

202 100

200 20.6 16.4 24.6

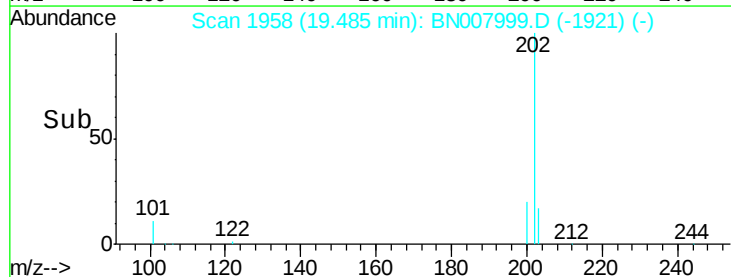
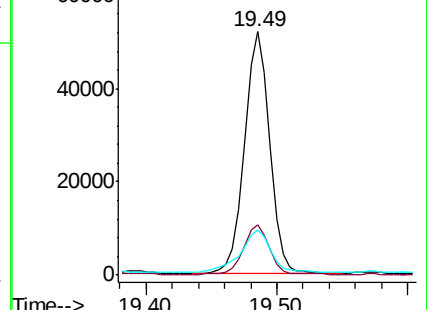
203 21.1 14.1 21.1#

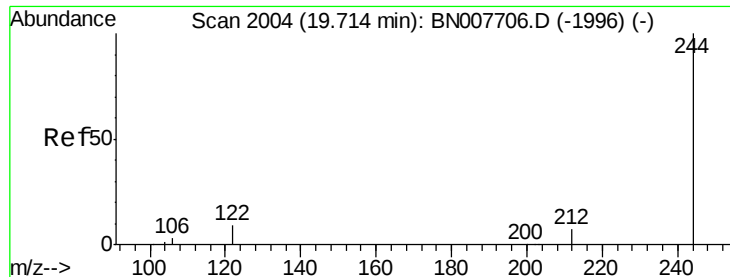


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.360 ng

RT: 19.69 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

ClientSampleId :

PST-024-B279-092519

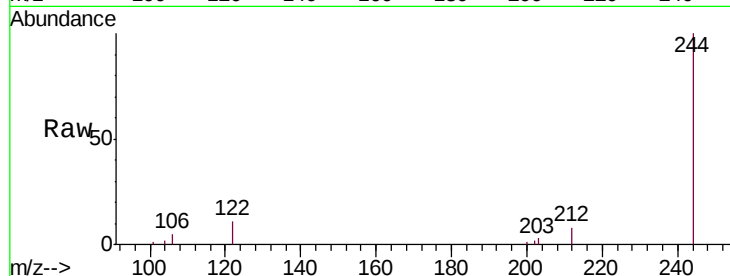
Tgt Ion:244 Resp: 26613

Ion Ratio Lower Upper

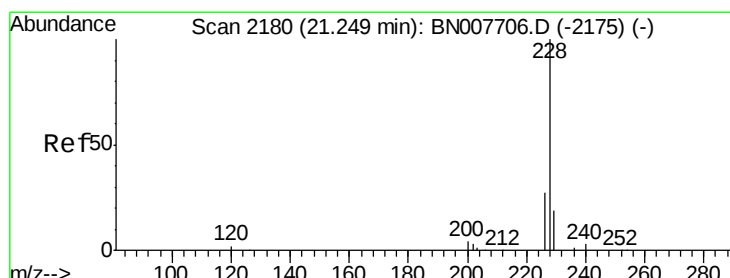
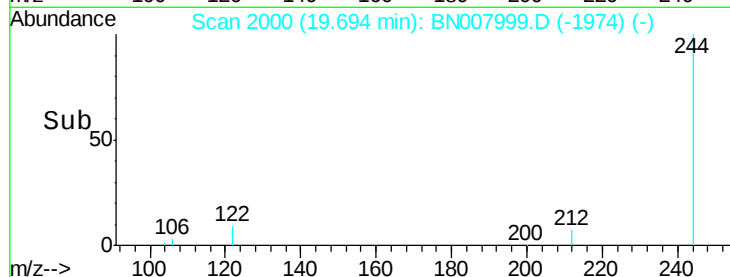
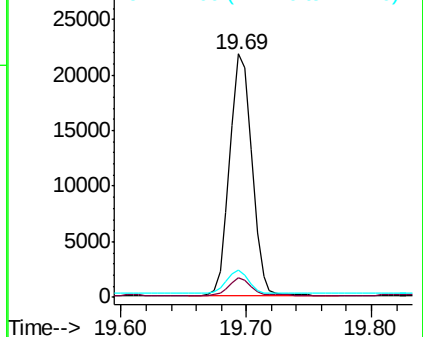
244 100

212 7.9 5.9 8.9

122 11.0 7.4 11.2



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.354 ng

RT: 21.29 min Scan# 2184

Delta R.T. 0.04 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

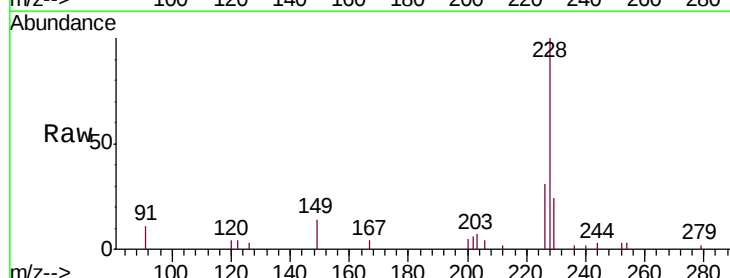
Tgt Ion:228 Resp: 39218

Ion Ratio Lower Upper

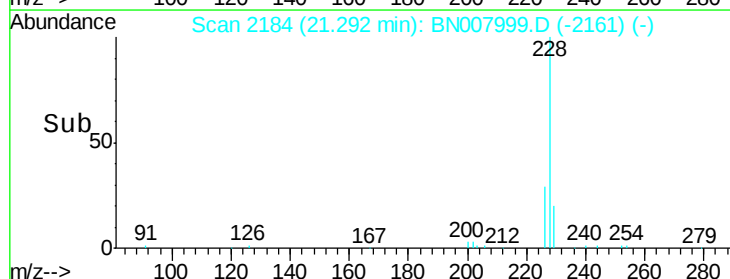
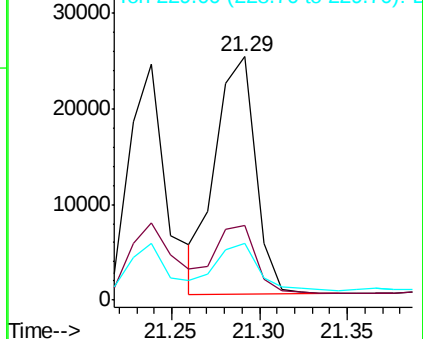
228 100

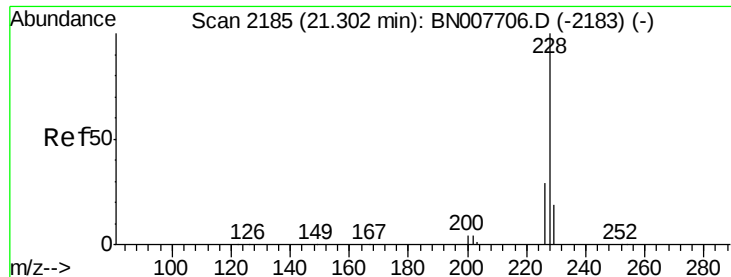
226 30.6 22.1 33.1

229 23.6 15.8 23.6



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: 0.363 ng

RT: 21.29 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

ClientSampleId :

PST-024-B279-092519

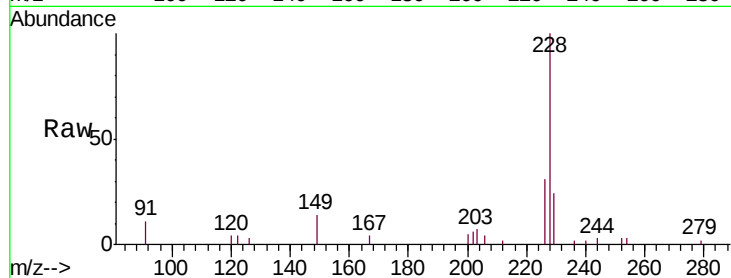
Tgt Ion:228 Resp: 39200

Ion Ratio Lower Upper

228 100

226 30.6 23.9 35.9

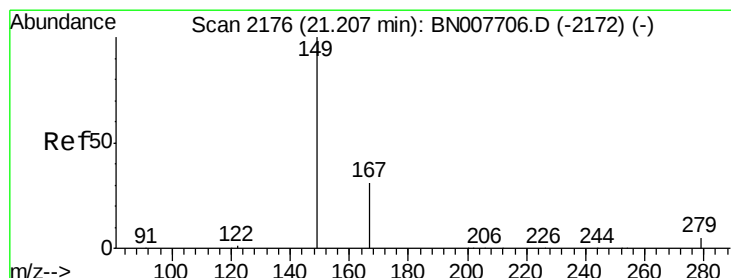
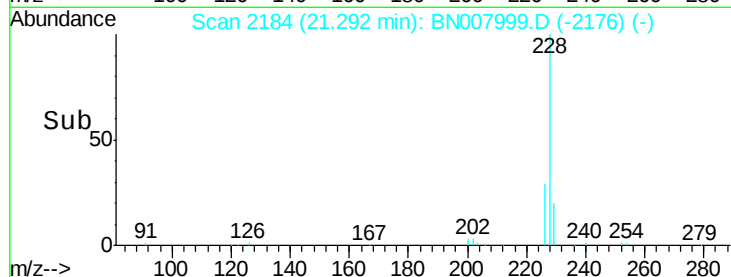
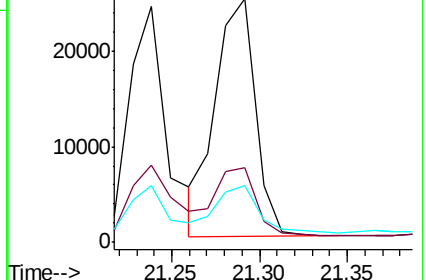
229 23.6 15.8 23.6



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: 0.198 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.03 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

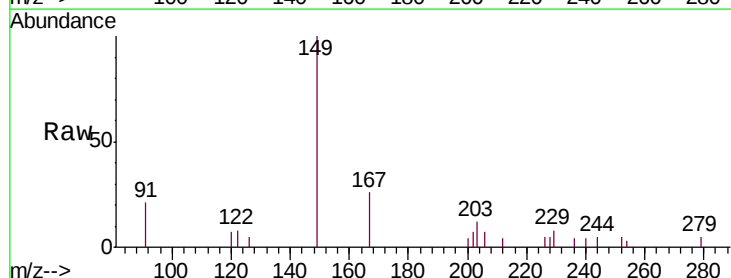
Tgt Ion:149 Resp: 11259

Ion Ratio Lower Upper

149 100

167 26.9 23.7 35.5

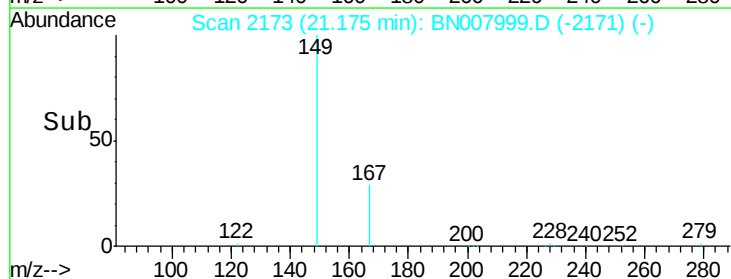
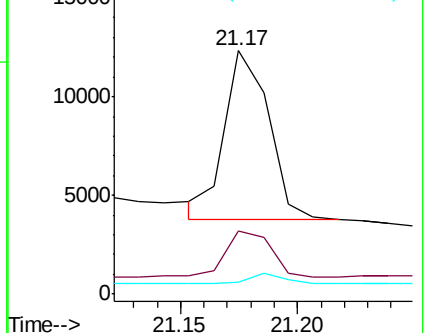
279 4.9 4.2 6.2

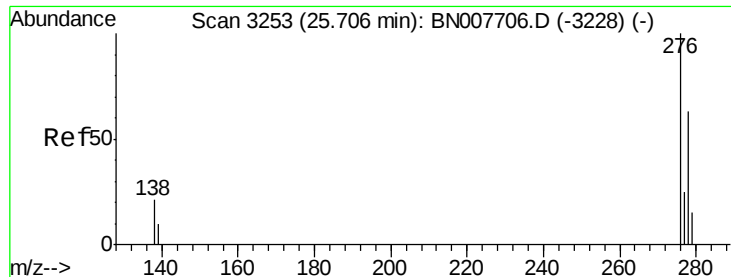


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.194 ng

RT: 25.67 min Scan# 3243

Delta R.T. -0.03 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

ClientSampleId :

PST-024-B279-092519

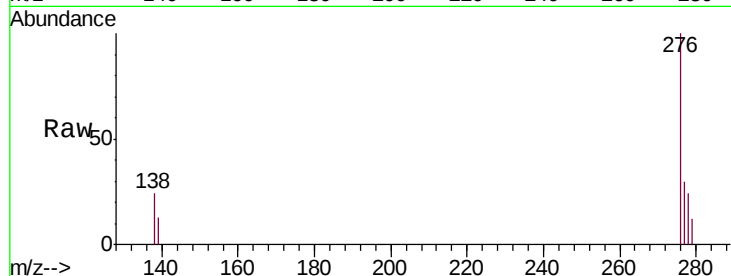
Tgt Ion:276 Resp: 26182

Ion Ratio Lower Upper

276 100

138 16.8 17.1 25.7#

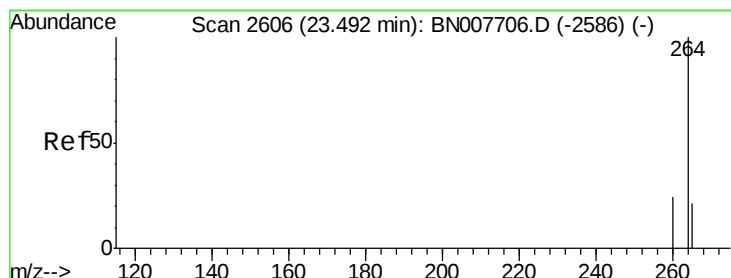
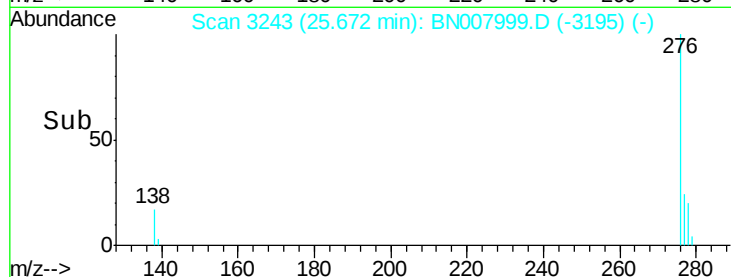
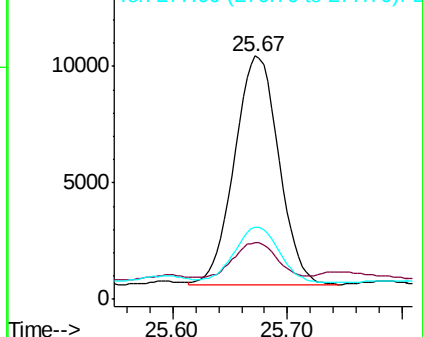
277 24.4 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.46 min Scan# 2598

Delta R.T. -0.03 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

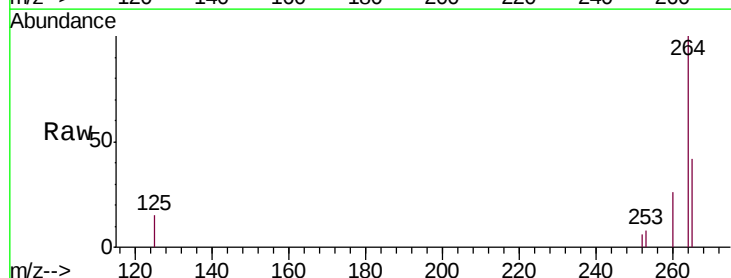
Tgt Ion:264 Resp: 32369

Ion Ratio Lower Upper

264 100

260 26.0 19.3 28.9

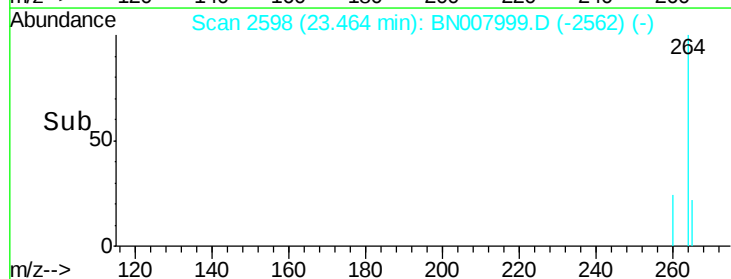
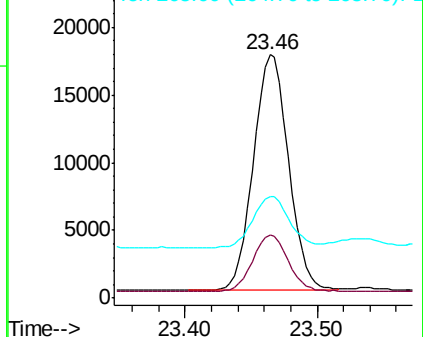
265 41.9 26.9 40.3#

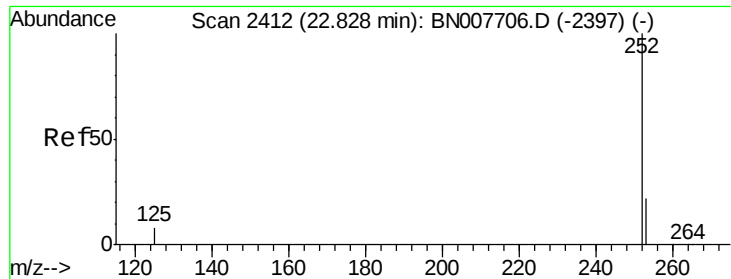


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.473 ng

RT: 22.81 min Scan# 2406

Delta R.T. -0.02 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

ClientSampleId :

PST-024-B279-092519

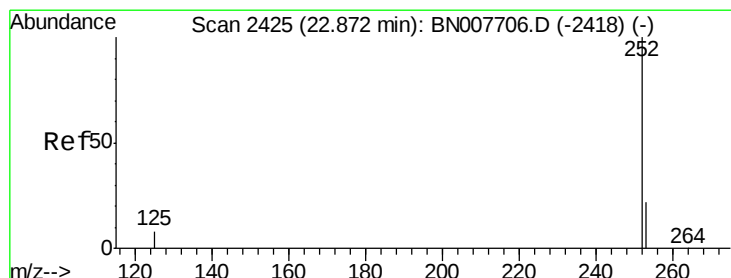
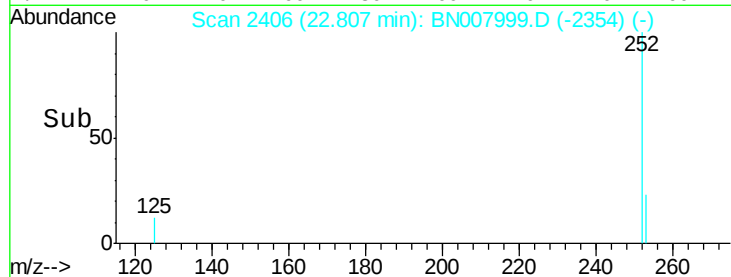
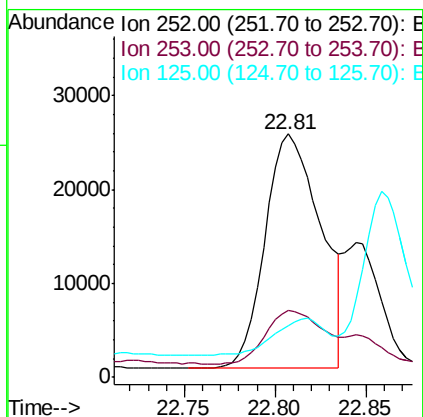
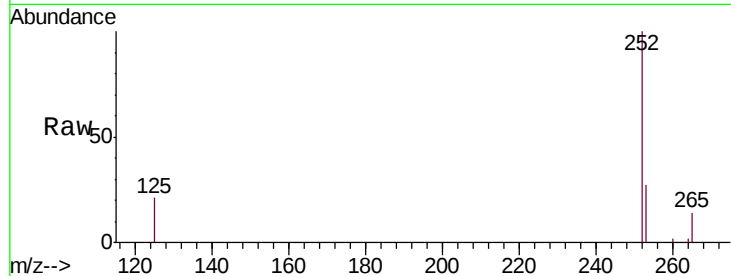
Tgt Ion:252 Resp: 53168

Ion Ratio Lower Upper

252 100

253 27.5 18.3 27.5#

125 21.4 8.2 12.4#



#36

Benzo(k)fluoranthene

Concen: 0.478 ng

RT: 22.81 min Scan# 2406

Delta R.T. -0.07 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

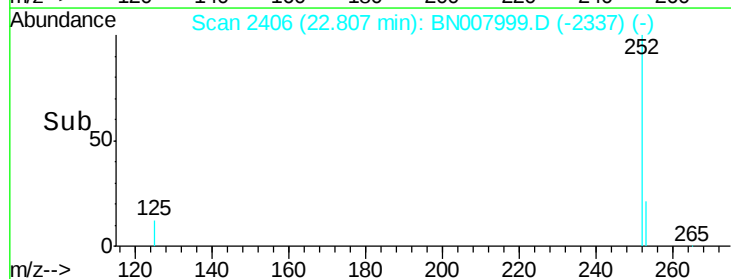
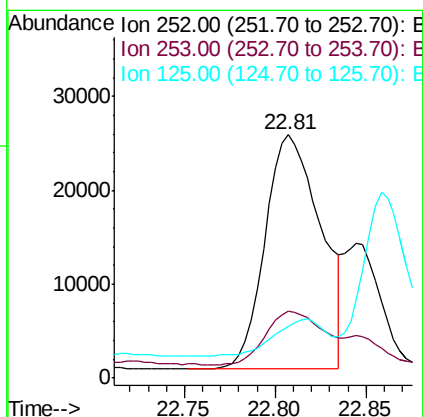
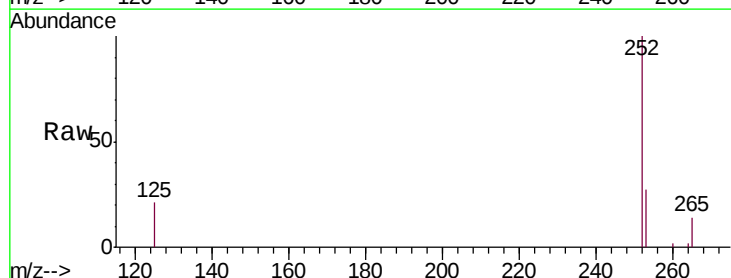
Tgt Ion:252 Resp: 53168

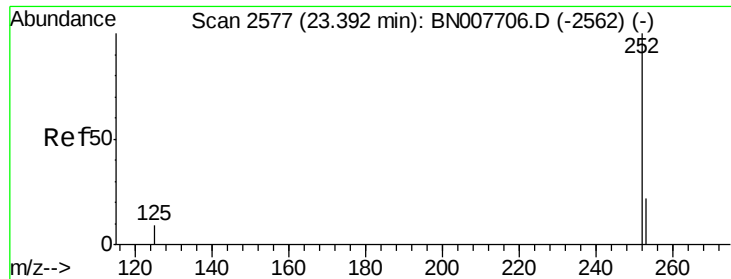
Ion Ratio Lower Upper

252 100

253 27.5 18.5 27.7

125 21.4 8.4 12.6#





#37

Benzo(a)pyrene

Concen: 0.324 ng

RT: 23.37 min Scan# 2570

Delta R.T. -0.02 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

ClientSampleId :

PST-024-B279-092519

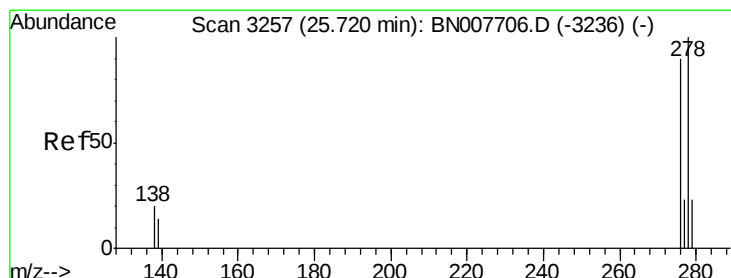
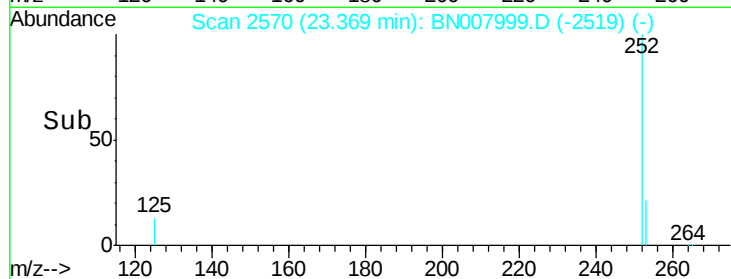
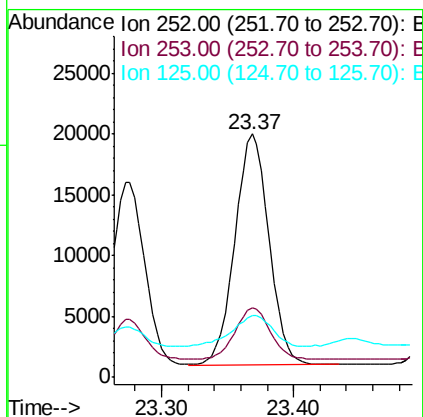
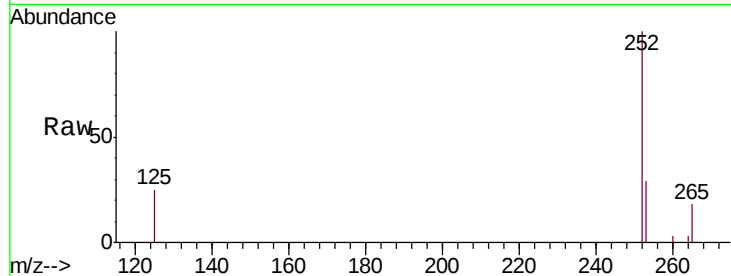
Tgt Ion:252 Resp: 34177

Ion Ratio Lower Upper

252 100

253 28.8 18.6 27.8#

125 25.2 9.4 14.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.062 ng

RT: 25.68 min Scan# 3246

Delta R.T. -0.04 min

Lab File: BN007999.D

Acq: 04 Oct 2019 02:23

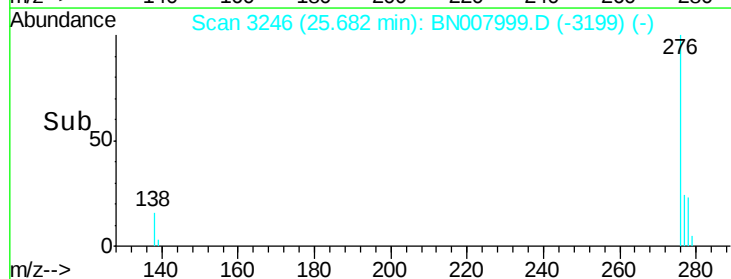
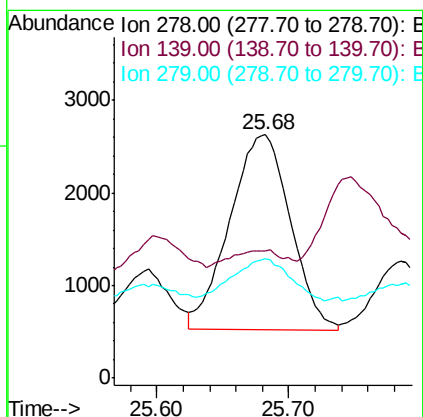
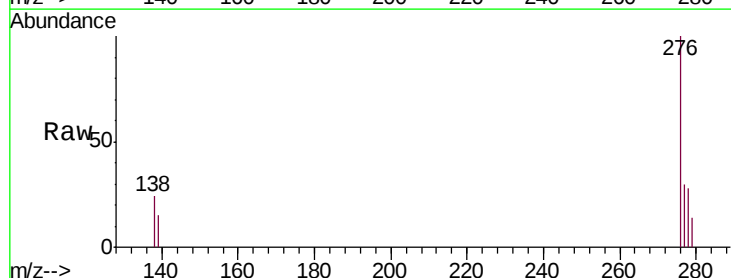
Tgt Ion:278 Resp: 6719

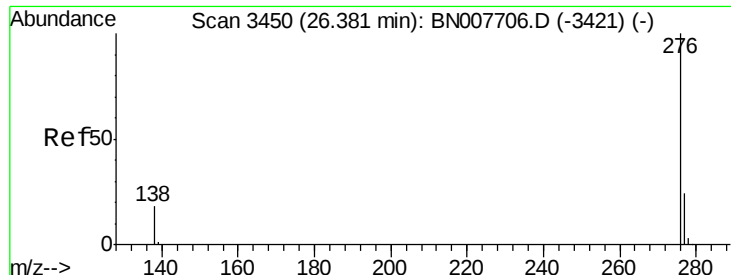
Ion Ratio Lower Upper

278 100

139 52.2 11.8 17.6#

279 49.3 19.4 29.2#





#39

Benzo(g,h,i)perylene

Concen: 0.242 ng

RT: 26.35 min Scan# 3440

Delta R.T. -0.03 min

Lab File: BN007999.D

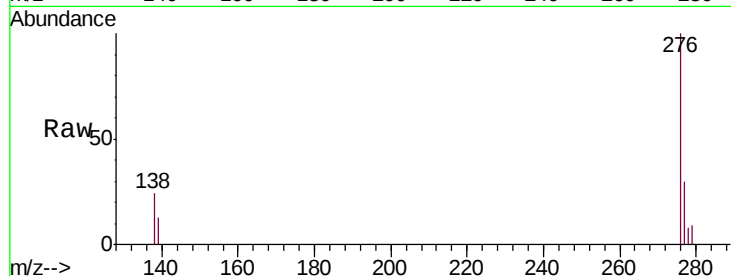
Acq: 04 Oct 2019 02:23

Instrument :

BNA_N

ClientSampleId :

PST-024-B279-092519



Tgt Ion: 276 Resp: 25867

Ion Ratio Lower Upper

276 100

277 29.8 19.8 29.8#

138 24.5 15.1 22.7#

