

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100319\
 Data File : BN007998.D
 Acq On : 04 Oct 2019 01:47
 Operator : JU
 Sample : K5077-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B264-092619

Quant Time: Oct 04 05:42:20 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	4793	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	20497	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	13329	0.40	ng	-0.02
19) Phenanthrene-d10	17.06	188	29187	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	30762	0.40	ng	-0.02
34) Perylene-d12	23.47	264	33629	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	5408	0.33	ng	0.00
5) Phenol-d6	6.87	99	7759	0.38	ng	0.00
8) Nitrobenzene-d5	8.82	82	5860	0.33	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	12331	0.36	ng	-0.02
14) 2,4,6-Tribromophenol	15.80	330	2641	0.36	ng	-0.02
15) 2-Fluorobiphenyl	12.93	172	16962	0.31	ng	-0.02
25) Fluoranthene-d10	19.10	212	34705	0.35	ng	-0.01
29) Terphenyl-d14	19.70	244	27749	0.37	ng	-0.02

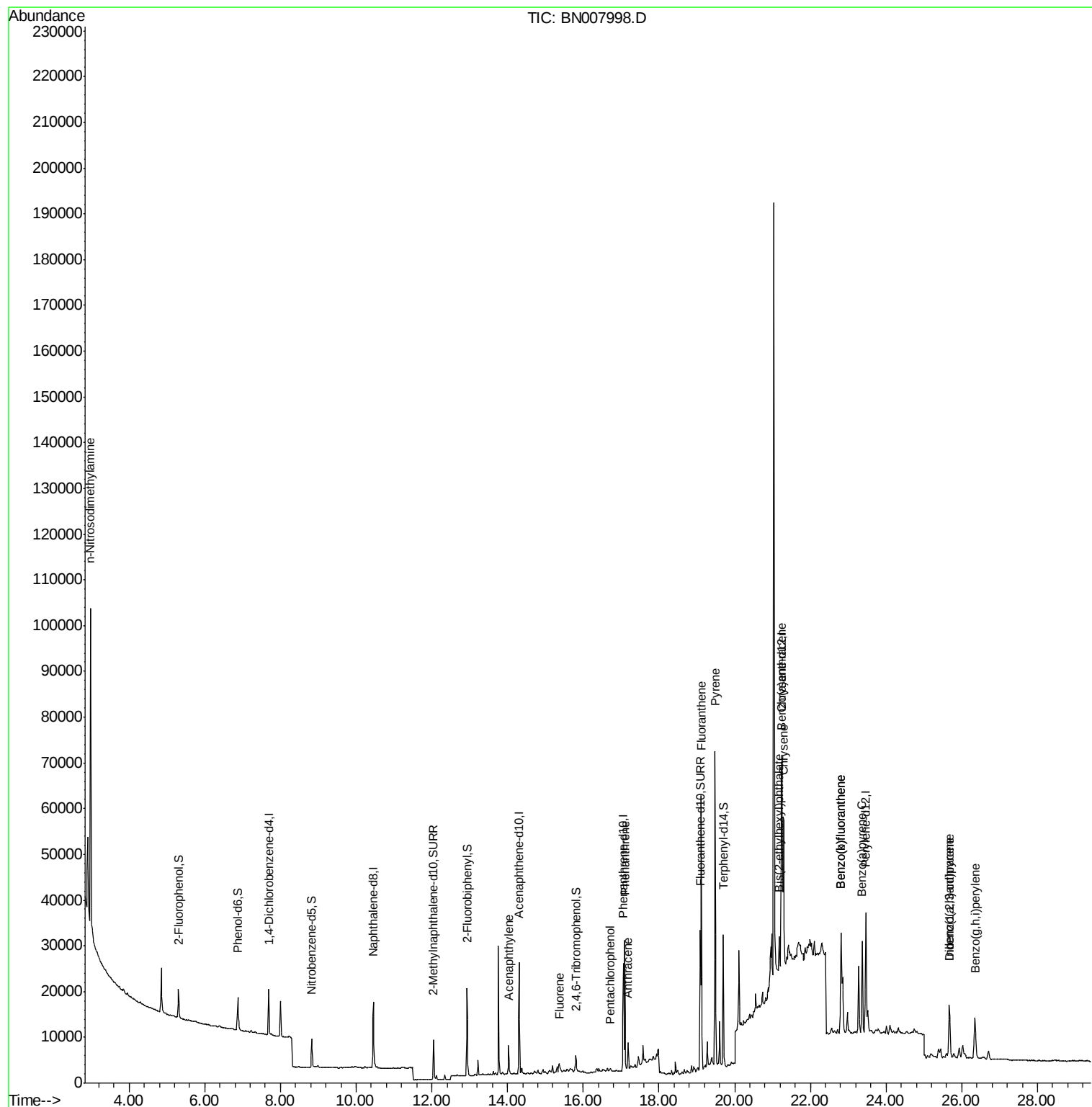
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	2.98	42	6688	2.733	ng	84
16) Acenaphthylene	14.03	152	9378	0.133	ng	99
18) Fluorene	15.37	166	1891	0.032	ng	# 78
22) Pentachlorophenol	16.72	266	170	0.024	ng	# 84
23) Phenanthrene	17.10	178	29068	0.320	ng	100
24) Anthracene	17.18	178	6306	0.077	ng	# 95
26) Fluoranthene	19.12	202	54670	0.484	ng	99
28) Pyrene	19.49	202	61102	0.582	ng	96
30) Benzo(a)anthracene	21.24	228	28597	0.252	ng	# 79
31) Chrysene	21.29	228	30980	0.281	ng	# 91
32) Bis(2-ethylhexyl)phthalate	21.18	149	7624	0.131	ng	96
33) Indeno(1,2,3-cd)pyrene	25.67	276	18016	0.130	ng	# 94
35) Benzo(b)fluoranthene	22.81	252	35307	0.302	ng	# 76
36) Benzo(k)fluoranthene	22.81	252	35307	0.306	ng	# 76
37) Benzo(a)pyrene	23.37	252	25845	0.236	ng	# 72
38) Dibenzo(a,h)anthracene	25.68	278	4739	0.042	ng	# 1
39) Benzo(g,h,i)perylene	26.35	276	18438	0.166	ng	# 79

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

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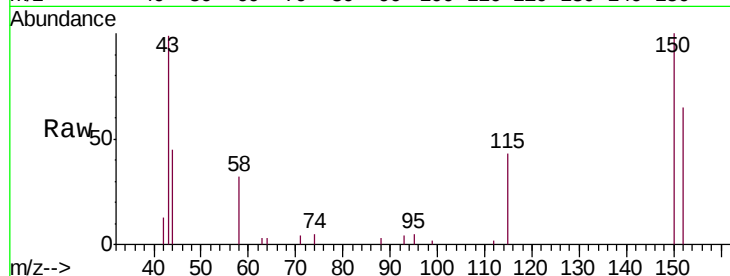


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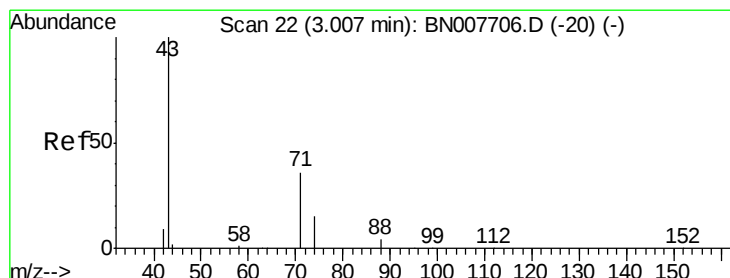
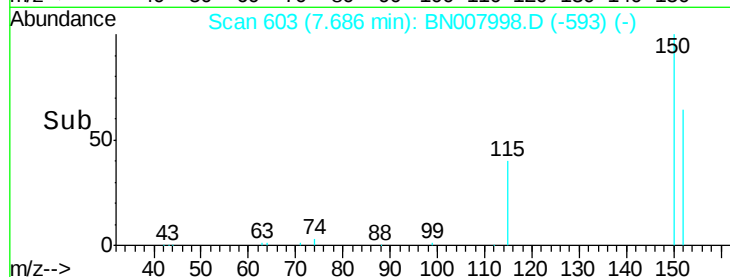
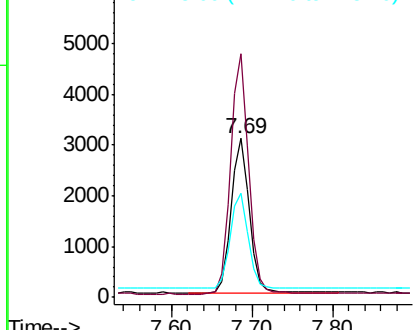
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007998.D
Acq: 04 Oct 2019 01:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B264-092619

Tgt Ion:152 Resp: 4793
Ion Ratio Lower Upper
152 100
150 153.2 125.6 188.4
115 65.8 53.3 79.9



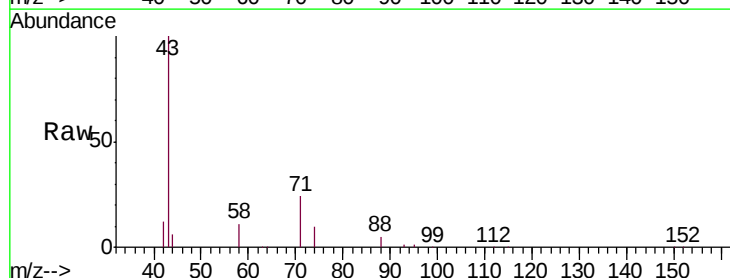
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



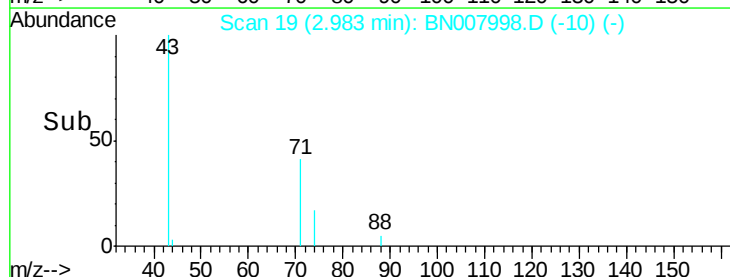
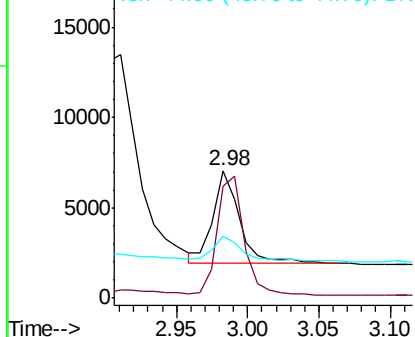
#3

n-Nitrosodimethylamine
Concen: 2.733 ng
RT: 2.98 min Scan# 19
Delta R.T. -0.02 min
Lab File: BN007998.D
Acq: 04 Oct 2019 01:47

Tgt Ion: 42 Resp: 6688
Ion Ratio Lower Upper
42 100
74 129.4 87.9 131.9
44 31.0 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: 0.328 ng

RT: 5.31 min Scan# 308

Delta R.T. -0.01 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Instrument :

BNA_N

ClientSampleId :

PST-024-B264-092619

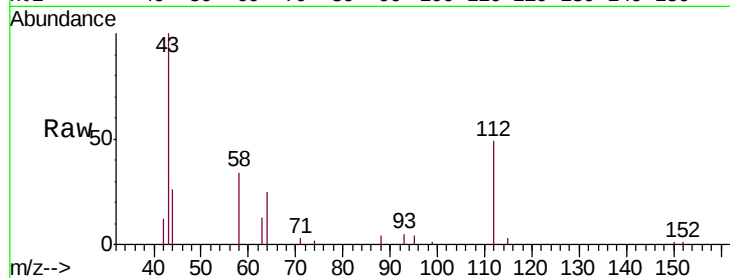
Tgt Ion: 112 Resp: 5408

Ion Ratio Lower Upper

112 100

64 59.1 46.6 70.0

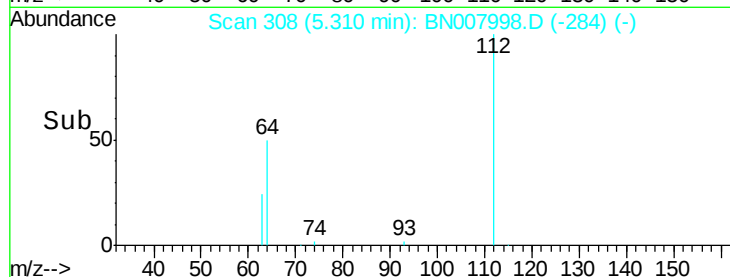
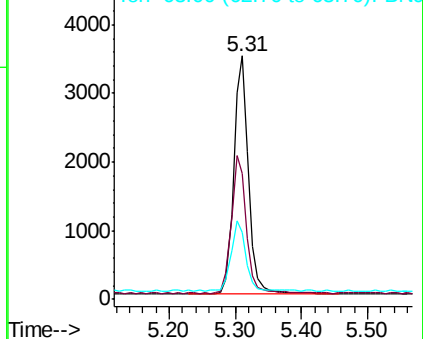
63 29.3 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 0.377 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

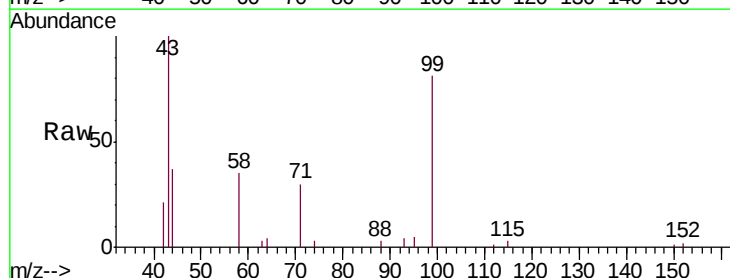
Tgt Ion: 99 Resp: 7759

Ion Ratio Lower Upper

99 100

42 15.8 12.8 19.2

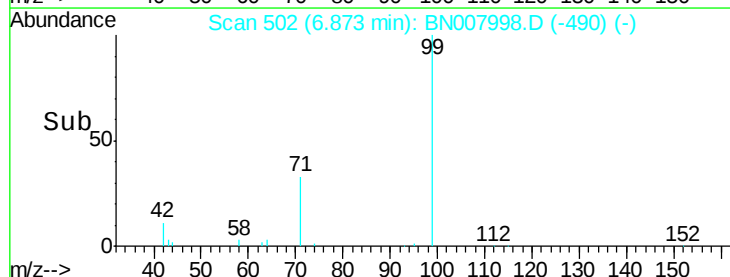
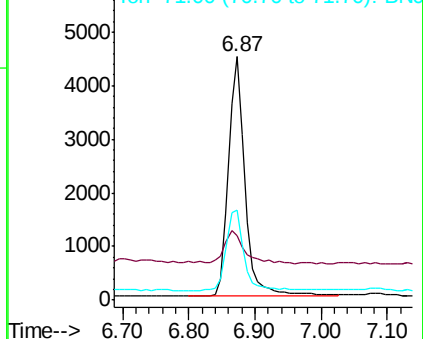
71 36.9 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Instrument :

BNA_N

ClientSampleId :

PST-024-B264-092619

Tgt Ion:136 Resp: 20497

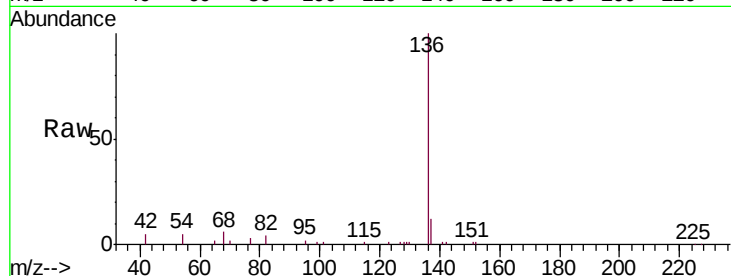
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 5.3 5.8 8.8#

68 6.0 6.5 9.7#

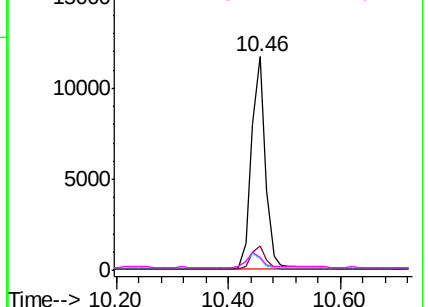
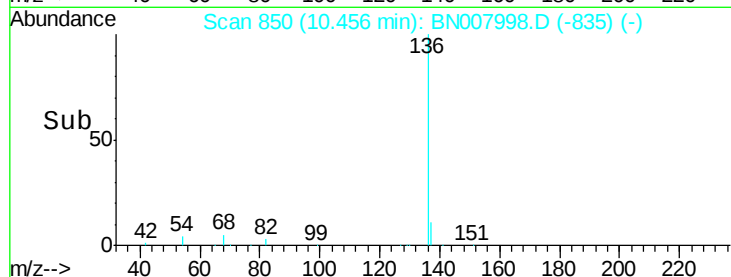


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.327 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

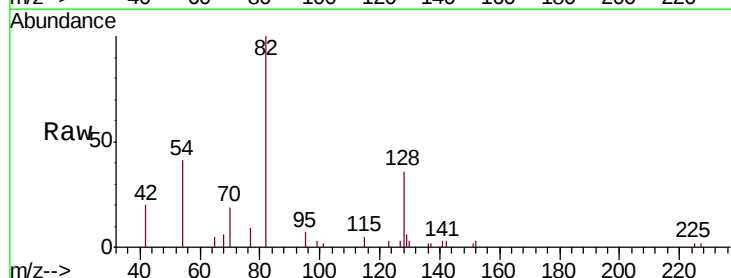
Tgt Ion: 82 Resp: 5860

Ion Ratio Lower Upper

82 100

128 35.8 24.5 36.7

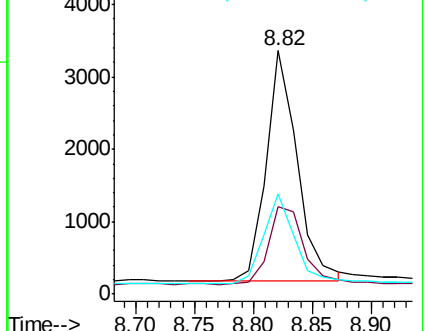
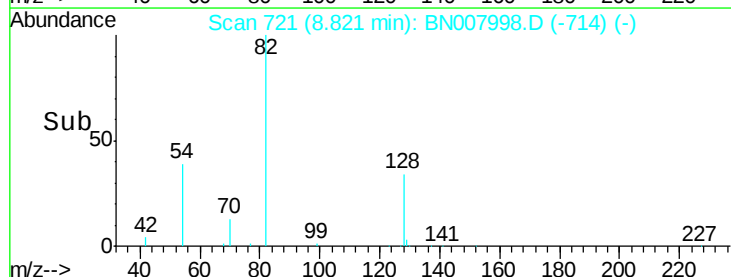
54 41.1 35.2 52.8



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

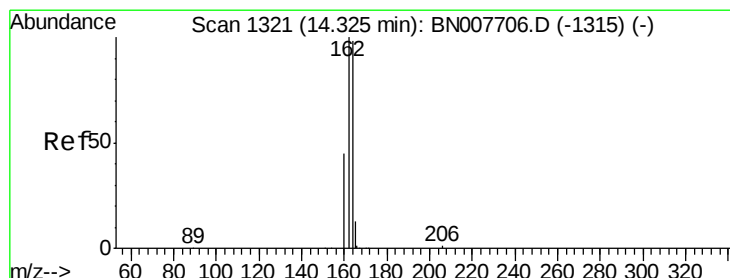
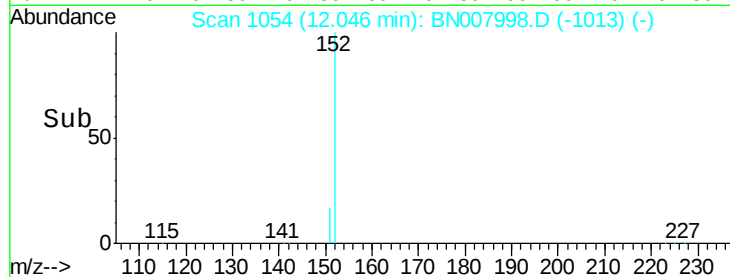
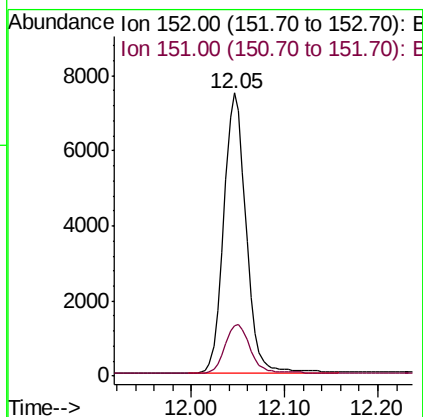
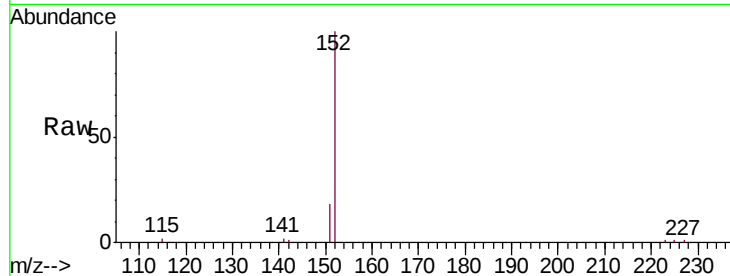




#11
 2-Methylnaphthalene-d10
 Concen: 0.357 ng
 RT: 12.05 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BN007998.D
 Acq: 04 Oct 2019 01:47

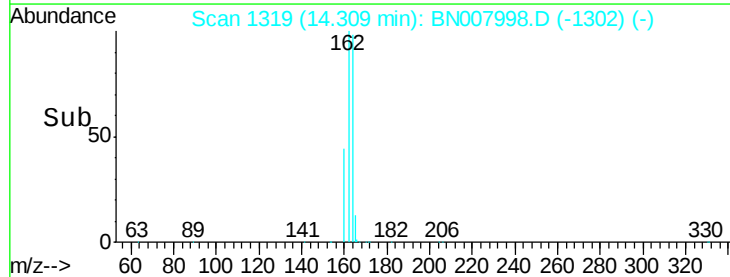
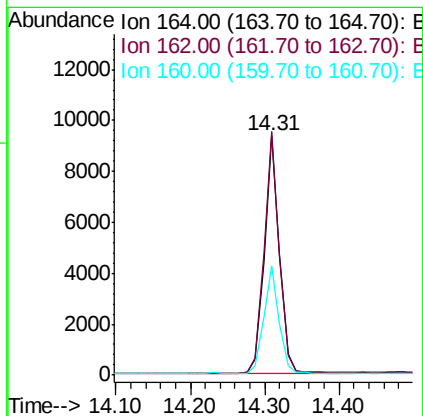
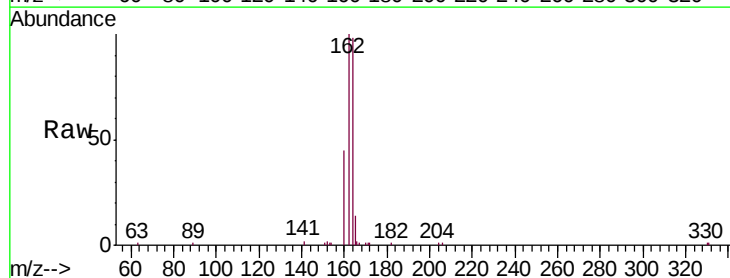
Instrument :
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 PST-024-B264-092619

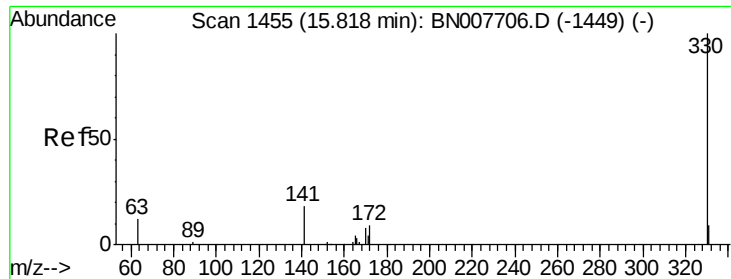
Tgt Ion:152 Resp: 12331
 Ion Ratio Lower Upper
 152 100
 151 20.0 15.4 23.2



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.31 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: BN007998.D
 Acq: 04 Oct 2019 01:47

Tgt Ion:164 Resp: 13329
 Ion Ratio Lower Upper
 164 100
 162 101.6 81.7 122.5
 160 45.4 37.0 55.4

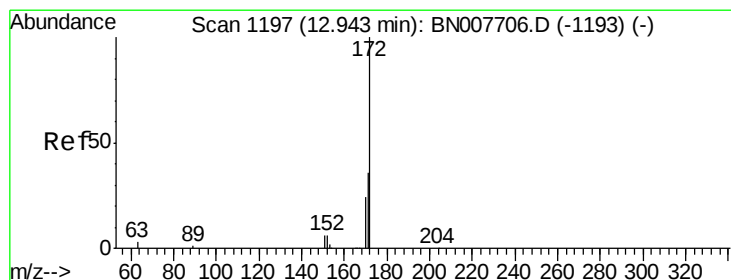
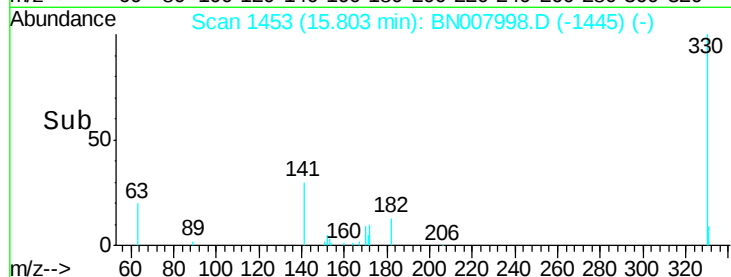
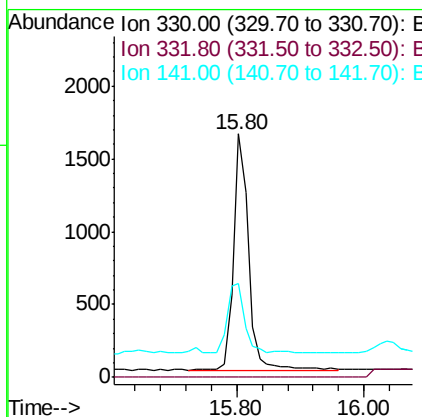
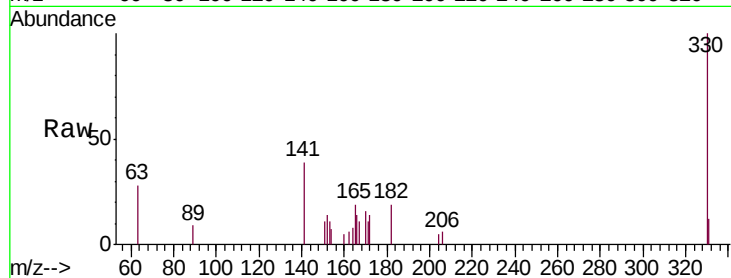




#14
 2,4,6-Tribromophenol
 Concen: 0.364 ng
 RT: 15.80 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: BN007998.D
 Acq: 04 Oct 2019 01:47

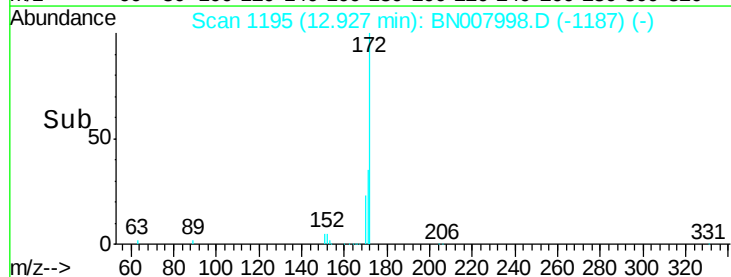
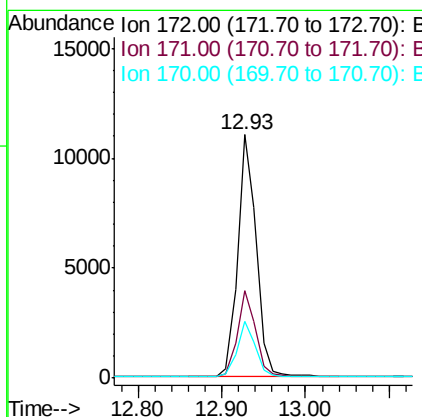
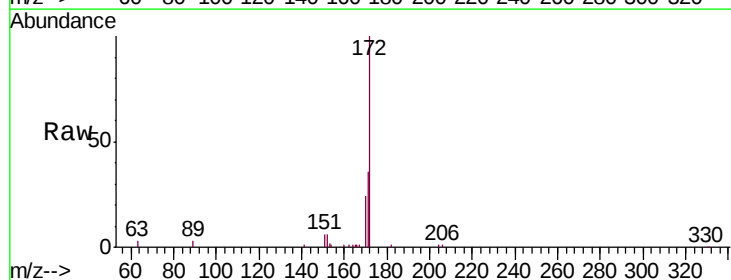
Instrument :
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 PST-024-B264-092619

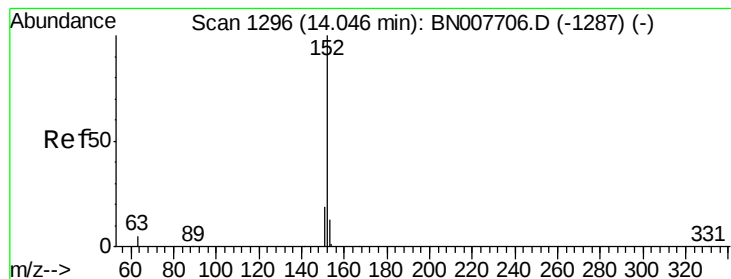
Tgt Ion: 330 Resp: 2641
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 32.9 28.7 43.1



#15
 2-Fluorobiphenyl
 Concen: 0.309 ng
 RT: 12.93 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BN007998.D
 Acq: 04 Oct 2019 01:47

Tgt Ion: 172 Resp: 16962
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.8 43.2
 170 23.5 19.5 29.3





#16

Acenaphthylene

Concen: 0.133 ng

RT: 14.03 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Instrument :

BNA_N

ClientSampleId :

PST-024-B264-092619

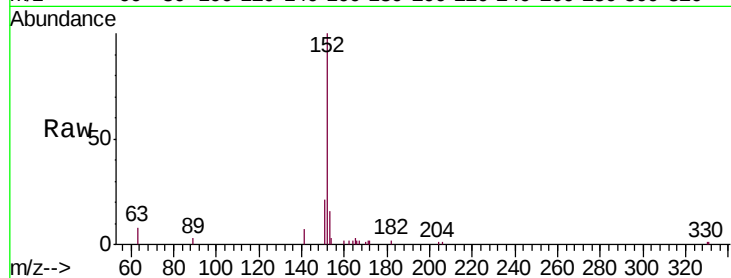
Tgt Ion:152 Resp: 9378

Ion Ratio Lower Upper

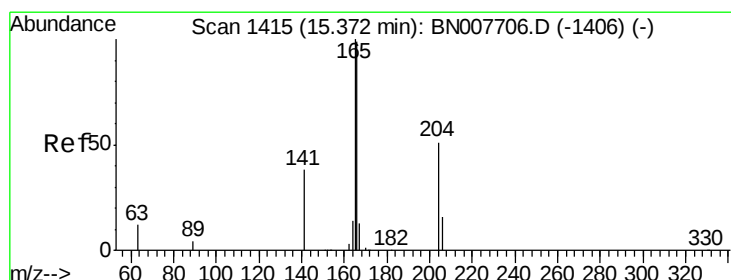
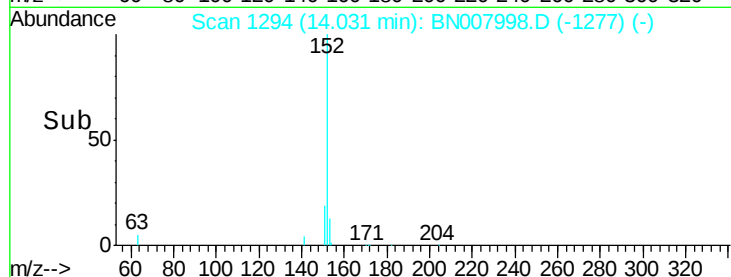
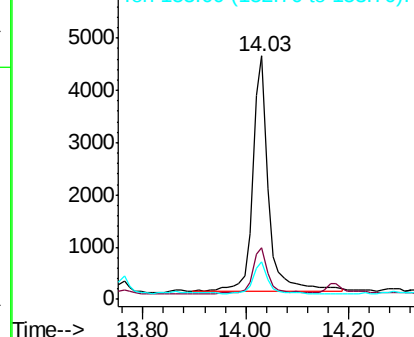
152 100

151 20.3 15.5 23.3

153 12.9 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



#18

Fluorene

Concen: 0.032 ng

RT: 15.37 min Scan# 1414

Delta R.T. -0.00 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

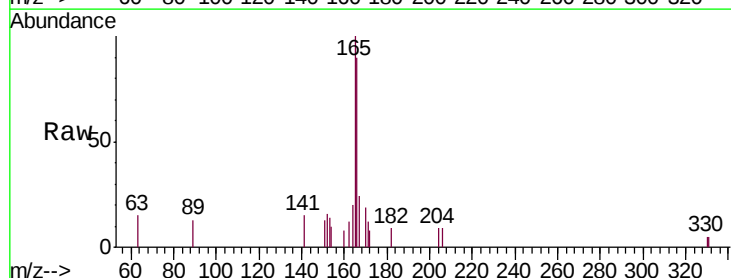
Tgt Ion:166 Resp: 1891

Ion Ratio Lower Upper

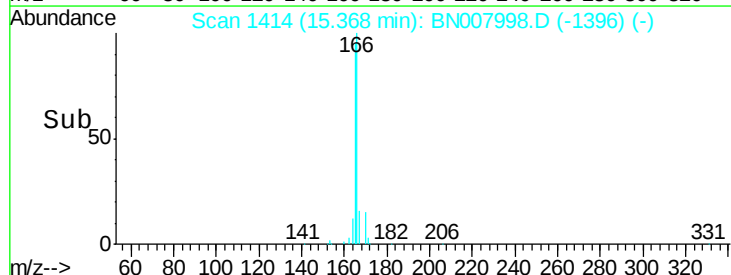
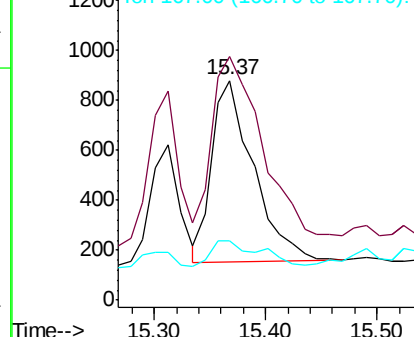
166 100

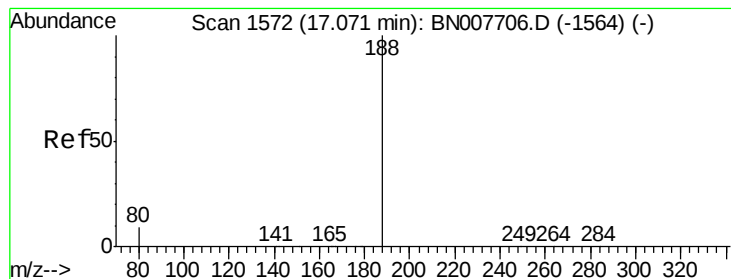
165 121.0 78.0 117.0#

167 17.6 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# 1570

Delta R.T. -0.01 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Instrument:

BNA_N

ClientSampleId:

PST-024-B264-092619

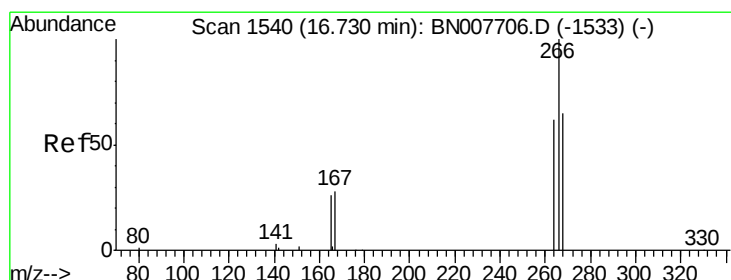
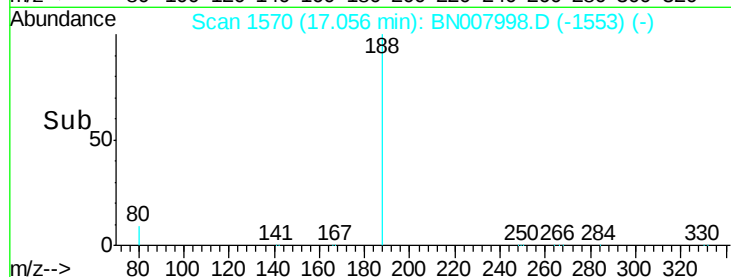
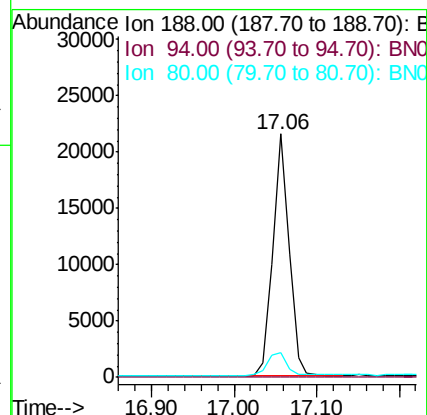
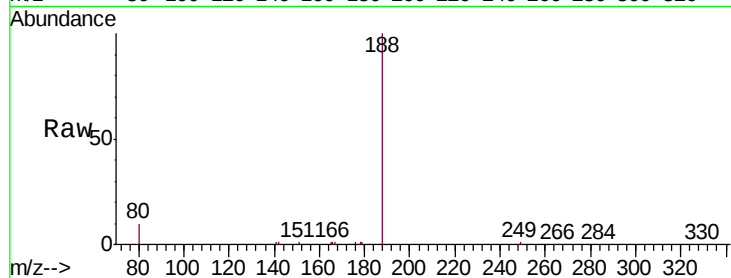
Tgt Ion:188 Resp: 29187

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.1 7.4 11.2



#22

Pentachlorophenol

Concen: 0.024 ng

RT: 16.72 min Scan# 1538

Delta R.T. -0.01 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

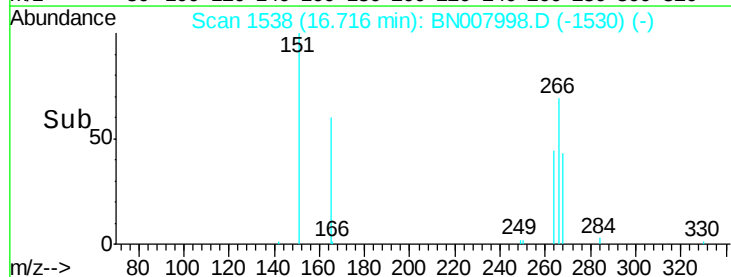
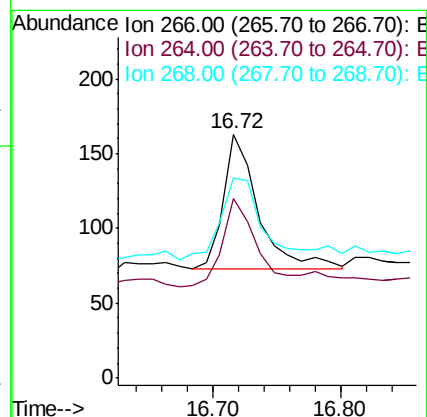
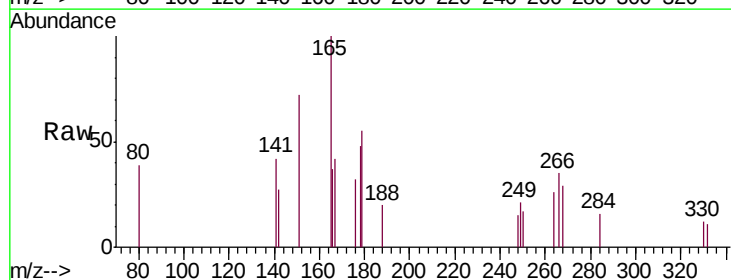
Tgt Ion:266 Resp: 170

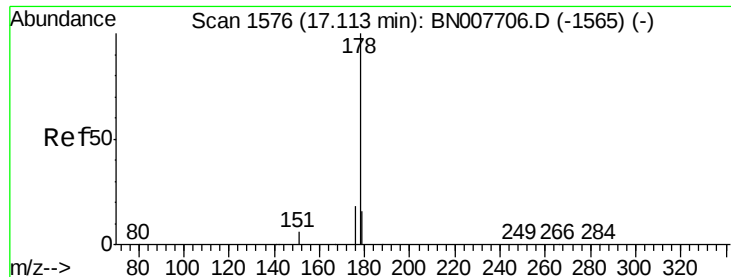
Ion Ratio Lower Upper

266 100

264 73.6 50.0 75.0

268 82.2 54.2 81.4#





#23

Phenanthrene

Concen: 0.320 ng

RT: 17.10 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Instrument :

BNA_N

ClientSampleId :

PST-024-B264-092619

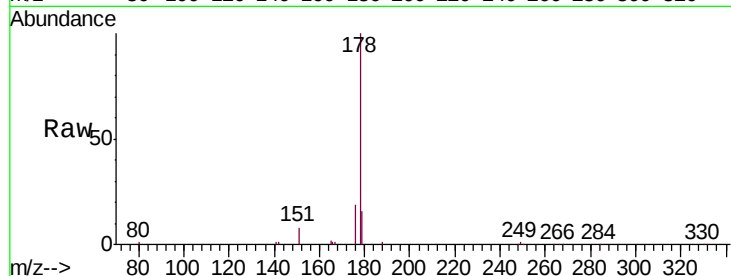
Tgt Ion:178 Resp: 29068

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

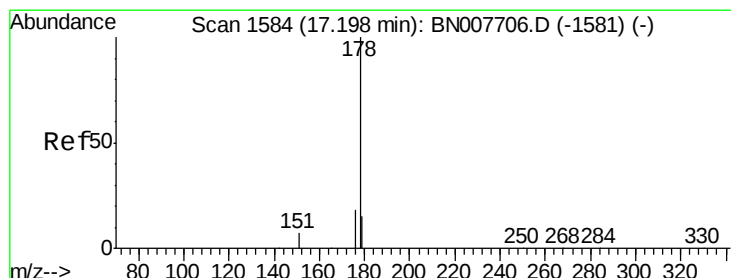
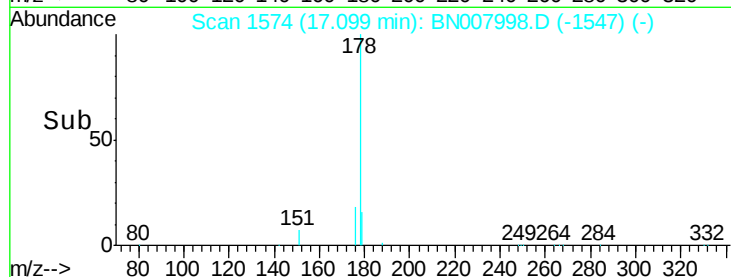
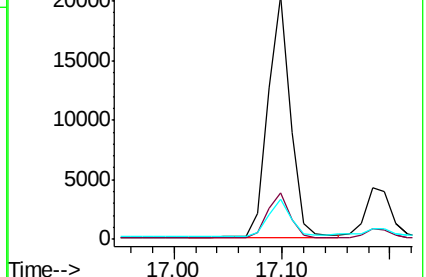
179 16.0 12.5 18.7



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: 0.077 ng

RT: 17.18 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

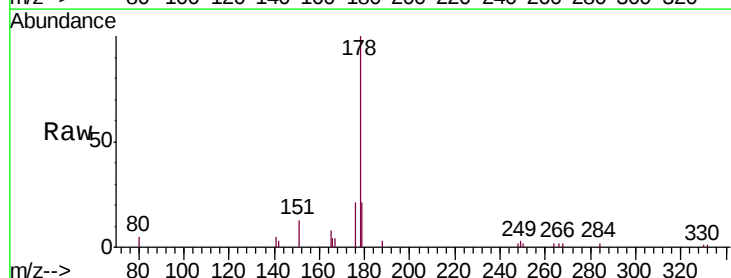
Tgt Ion:178 Resp: 6306

Ion Ratio Lower Upper

178 100

176 18.9 14.6 21.8

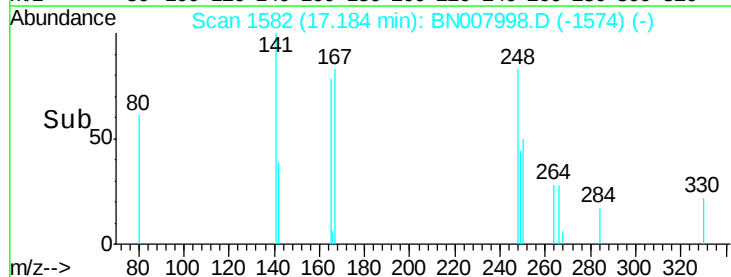
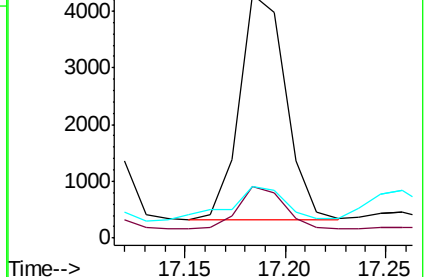
179 19.1 12.2 18.4#

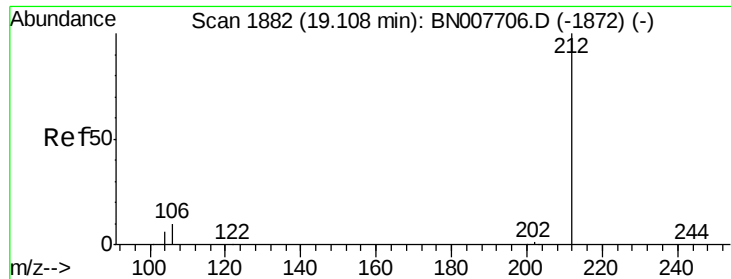


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.353 ng

RT: 19.10 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Instrument :

BNA_N

ClientSampleId :

PST-024-B264-092619

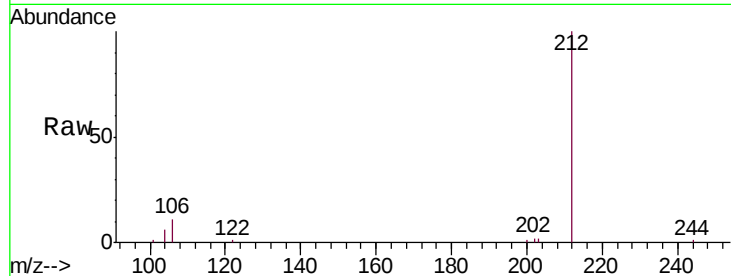
Tgt Ion:212 Resp: 34705

Ion Ratio Lower Upper

212 100

106 11.2 9.4 14.0

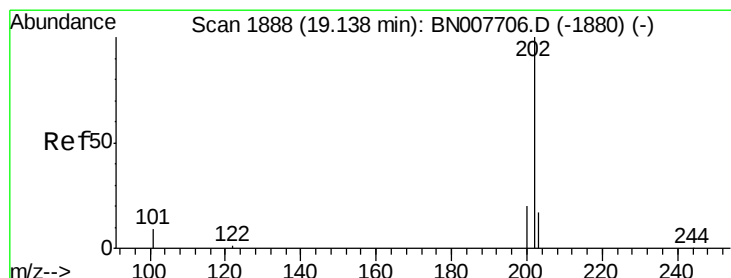
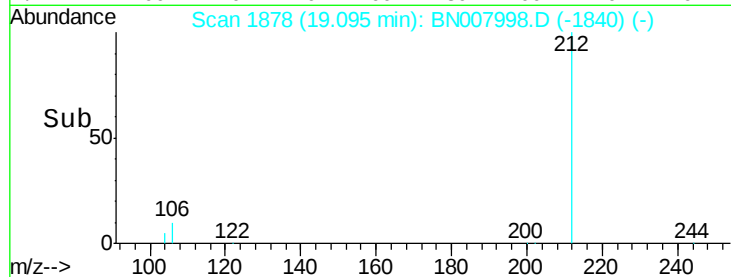
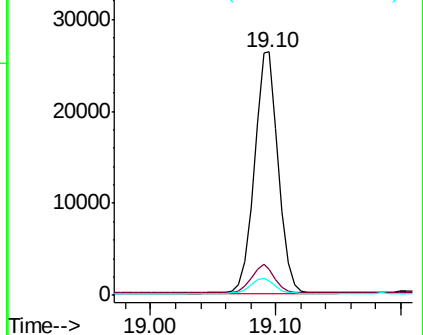
104 6.6 5.3 7.9



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: 0.484 ng

RT: 19.12 min Scan# 1883

Delta R.T. -0.02 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

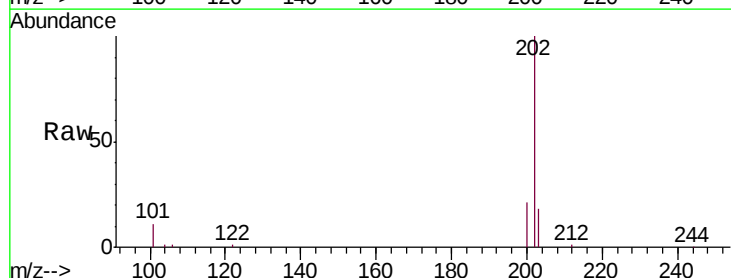
Tgt Ion:202 Resp: 54670

Ion Ratio Lower Upper

202 100

101 10.1 8.4 12.6

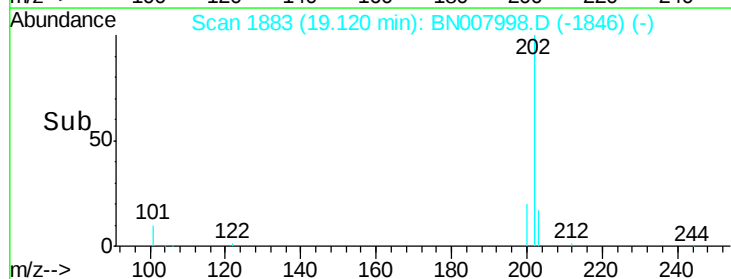
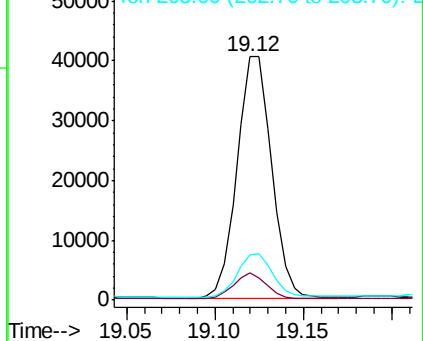
203 17.9 13.8 20.8

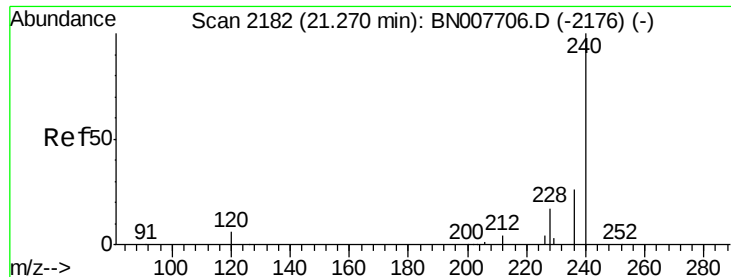


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2179

Delta R.T. -0.02 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Instrument :

BNA_N

ClientSampleId :

PST-024-B264-092619

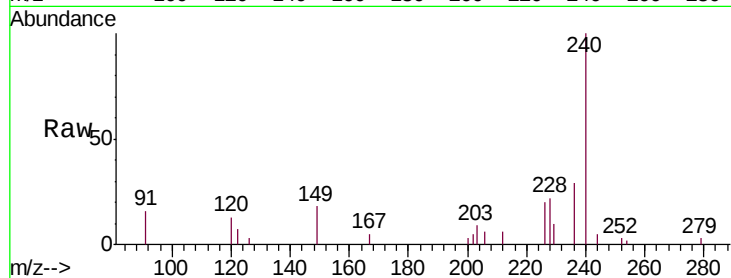
Tgt Ion:240 Resp: 30762

Ion Ratio Lower Upper

240 100

120 13.3 5.4 8.2#

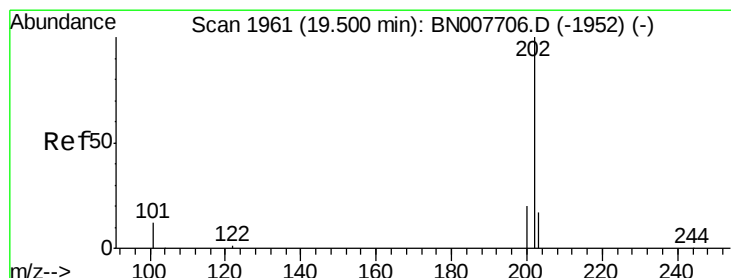
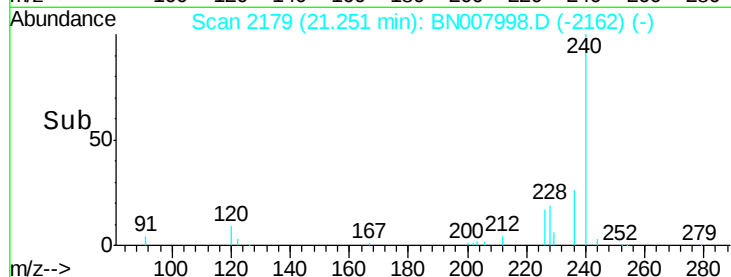
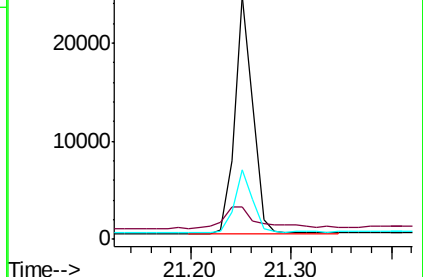
236 28.6 21.0 31.4



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: 0.582 ng

RT: 19.49 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

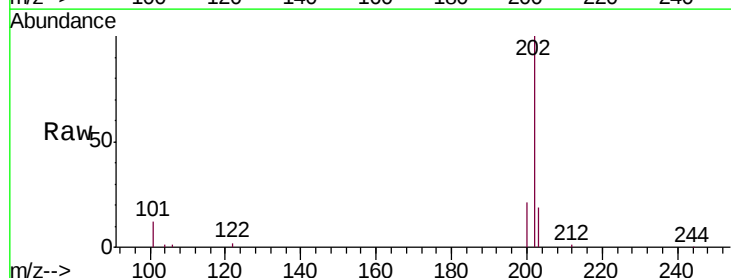
Tgt Ion:202 Resp: 61102

Ion Ratio Lower Upper

202 100

200 20.9 16.4 24.6

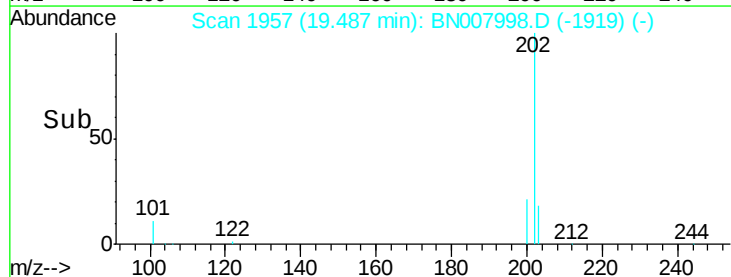
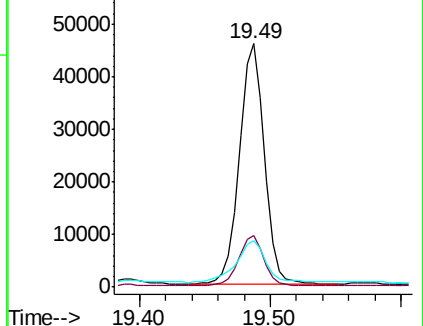
203 20.5 14.1 21.1

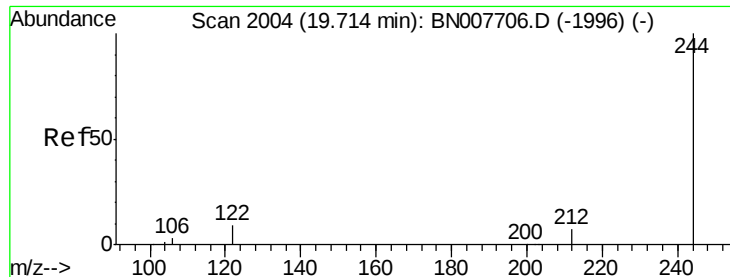


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.367 ng

RT: 19.70 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Instrument :

BNA_N

ClientSampleId :

PST-024-B264-092619

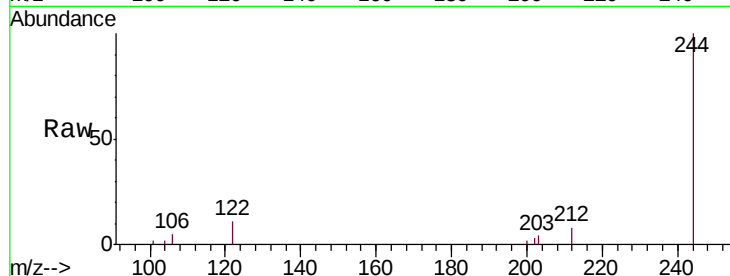
Tgt Ion:244 Resp: 27749

Ion Ratio Lower Upper

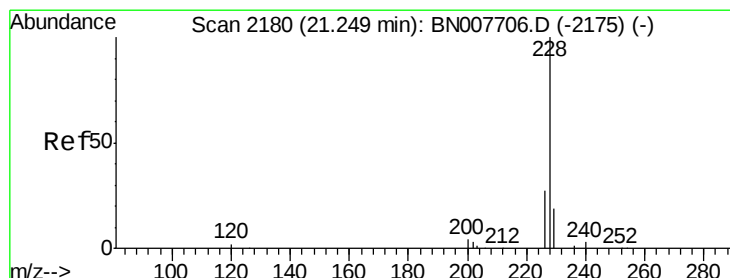
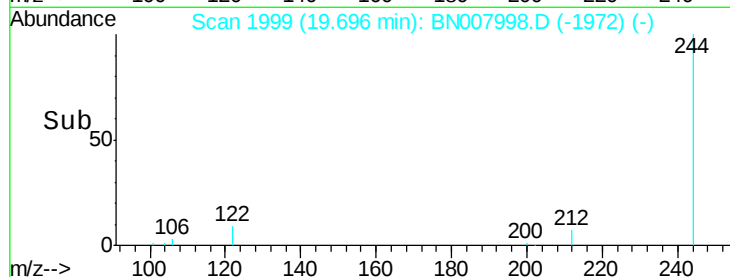
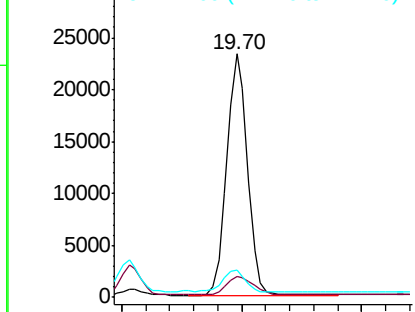
244 100

212 8.5 5.9 8.9

122 11.3 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: 0.252 ng

RT: 21.24 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

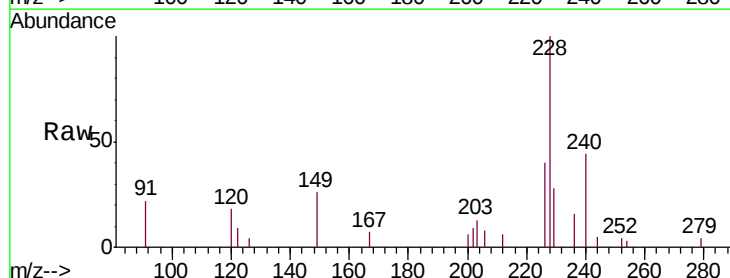
Tgt Ion:228 Resp: 28597

Ion Ratio Lower Upper

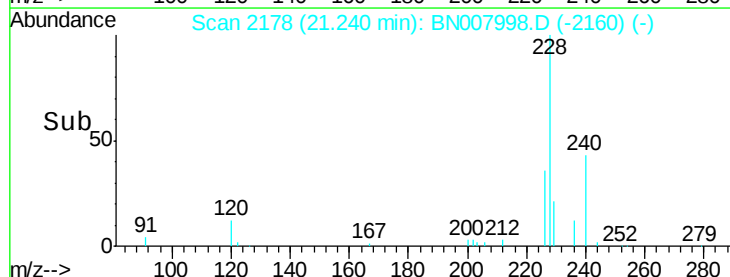
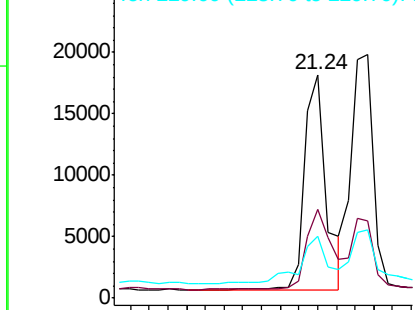
228 100

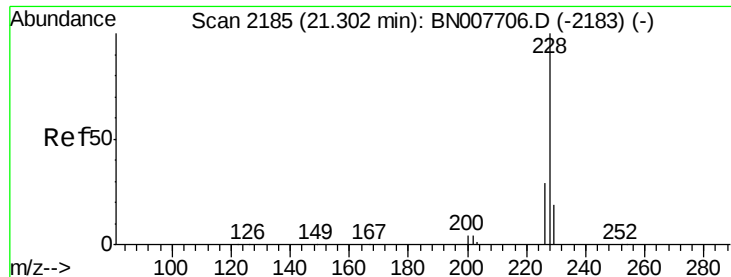
226 39.5 22.1 33.1#

229 27.7 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: 0.281 ng

RT: 21.29 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Instrument :

BNA_N

ClientSampleId :

PST-024-B264-092619

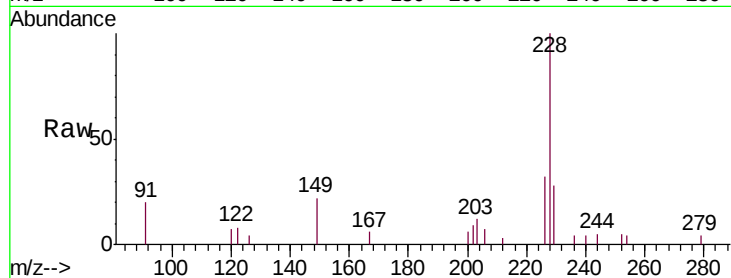
Tgt Ion:228 Resp: 30980

Ion Ratio Lower Upper

228 100

226 31.6 23.9 35.9

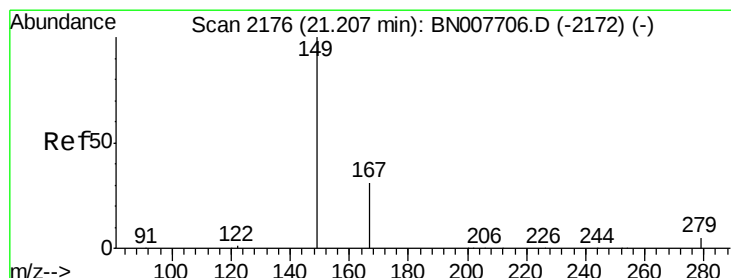
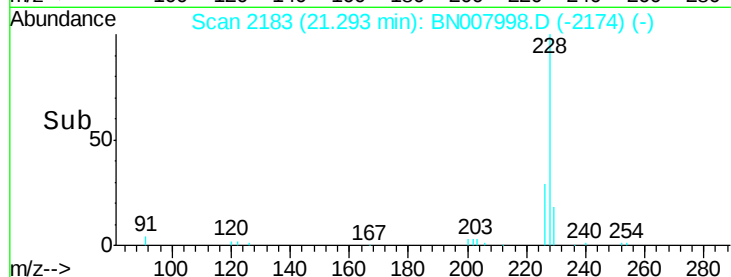
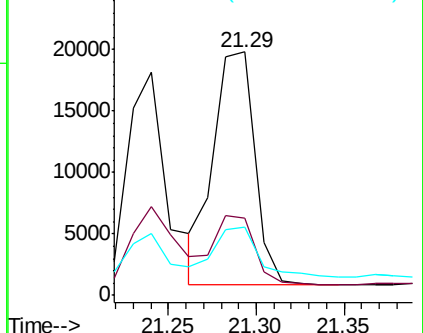
229 27.9 15.8 23.6#



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: 0.131 ng

RT: 21.18 min Scan# 2172

Delta R.T. -0.03 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

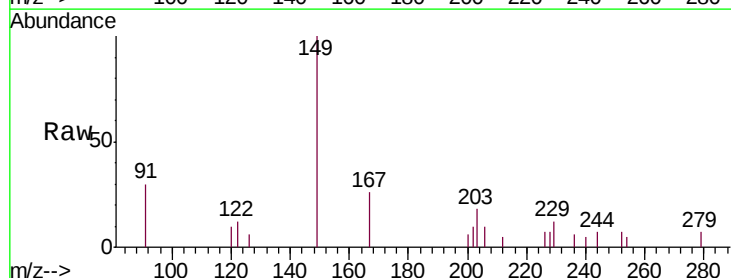
Tgt Ion:149 Resp: 7624

Ion Ratio Lower Upper

149 100

167 26.8 23.7 35.5

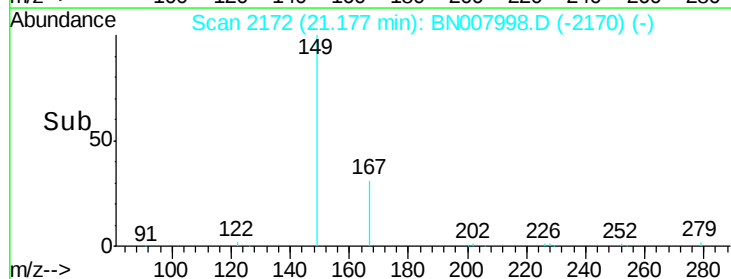
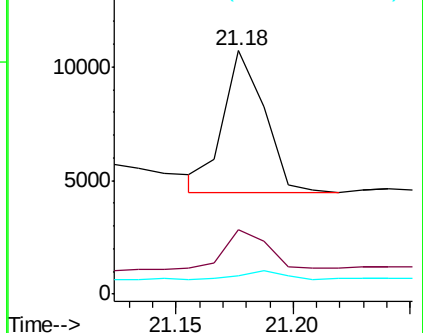
279 5.1 4.2 6.2

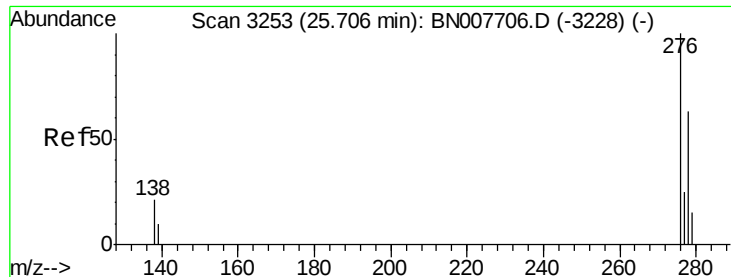


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.130 ng

RT: 25.67 min Scan# 3242

Delta R.T. -0.03 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Instrument :

BNA_N

ClientSampleId :

PST-024-B264-092619

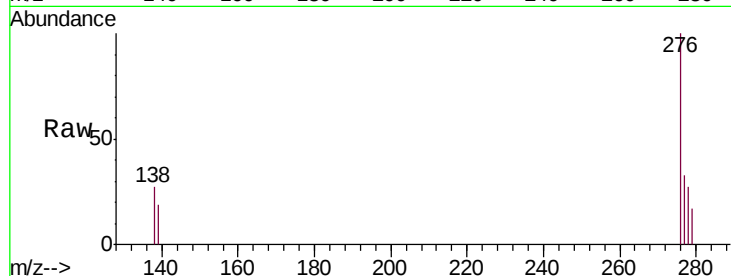
Tgt Ion:276 Resp: 18016

Ion Ratio Lower Upper

276 100

138 15.7 17.1 25.7#

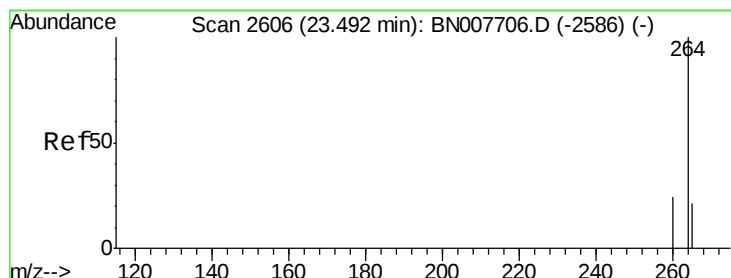
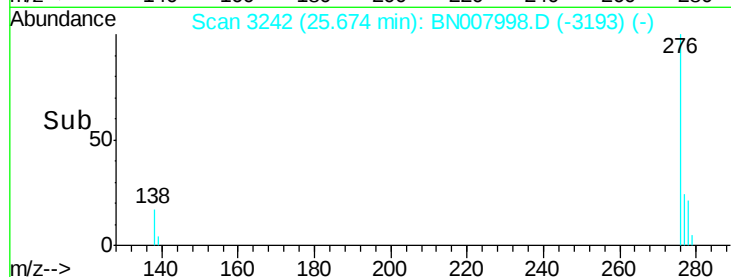
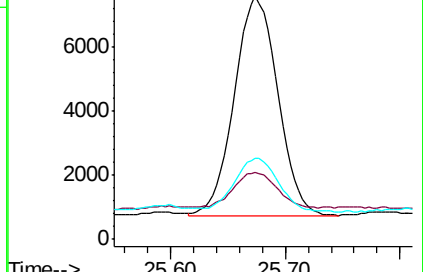
277 25.1 20.0 30.0



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: 23.47 min Scan# 2597

Delta R.T. -0.03 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

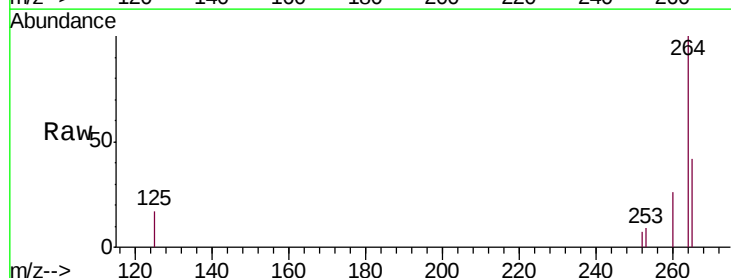
Tgt Ion:264 Resp: 33629

Ion Ratio Lower Upper

264 100

260 26.4 19.3 28.9

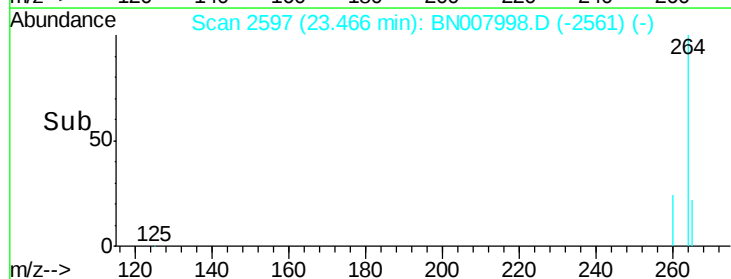
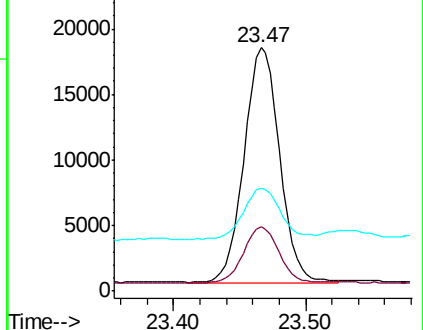
265 42.3 26.9 40.3#

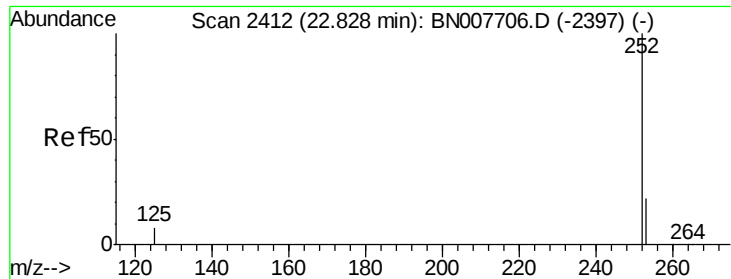


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.302 ng

RT: 22.81 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Instrument :

BNA_N

ClientSampleId :

PST-024-B264-092619

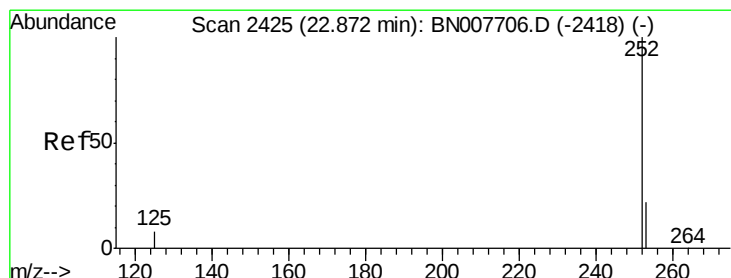
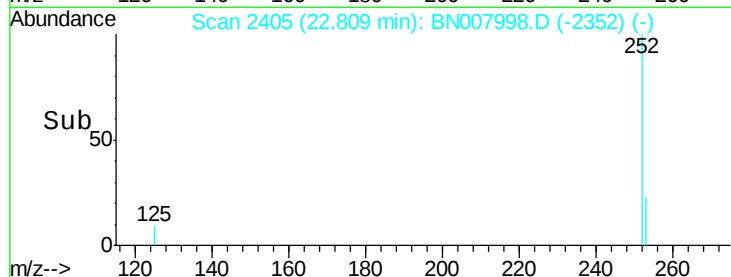
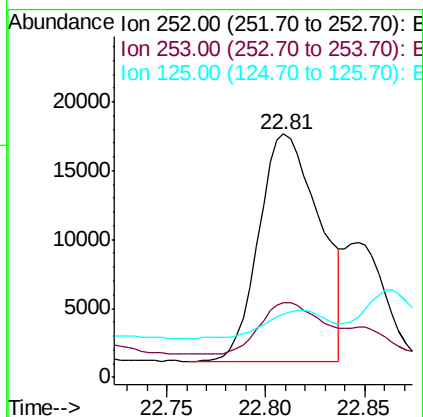
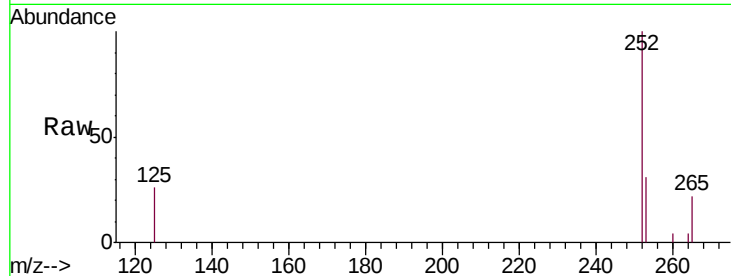
Tgt Ion:252 Resp: 35307

Ion Ratio Lower Upper

252 100

253 30.7 18.3 27.5#

125 26.1 8.2 12.4#



#36

Benzo(k)fluoranthene

Concen: 0.306 ng

RT: 22.81 min Scan# 2405

Delta R.T. -0.06 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

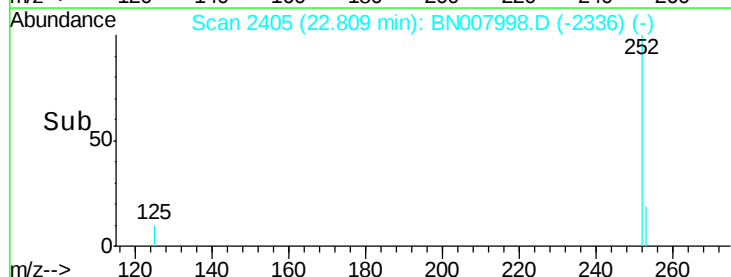
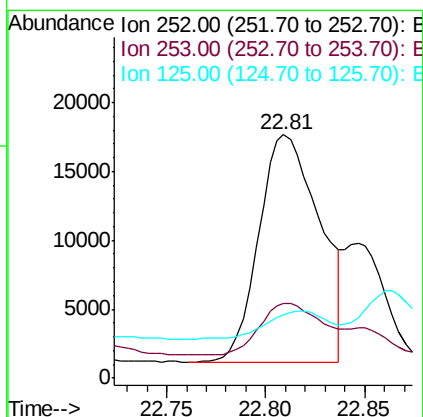
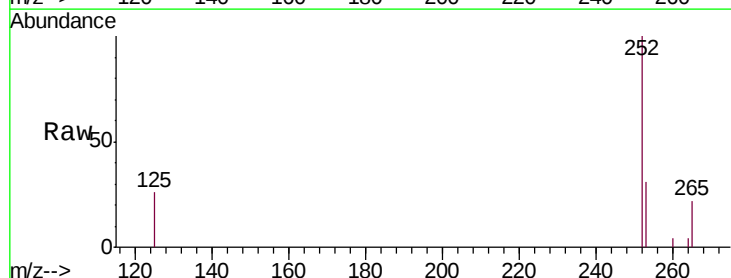
Tgt Ion:252 Resp: 35307

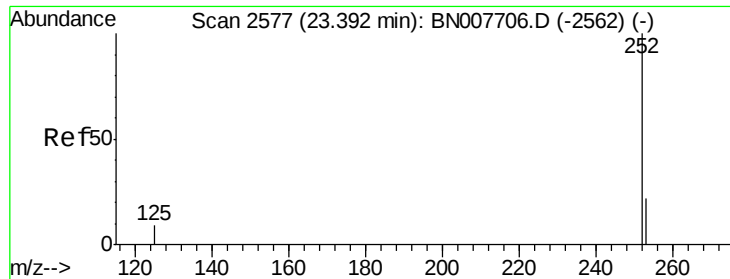
Ion Ratio Lower Upper

252 100

253 30.7 18.5 27.7#

125 26.1 8.4 12.6#





#37

Benzo(a)pyrene

Concen: 0.236 ng

RT: 23.37 min Scan# 2569

Delta R.T. -0.02 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Instrument :

BNA_N

ClientSampleId :

PST-024-B264-092619

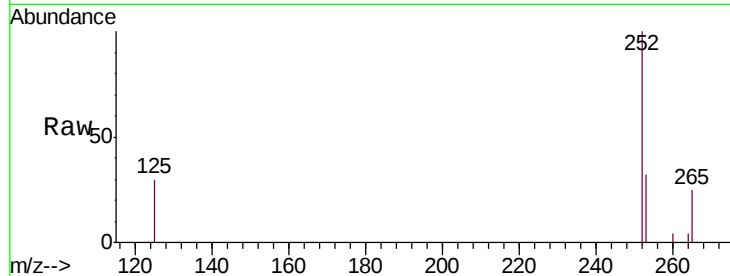
Tgt Ion:252 Resp: 25845

Ion Ratio Lower Upper

252 100

253 32.2 18.6 27.8#

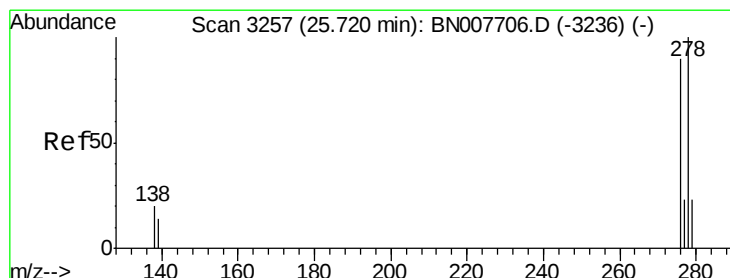
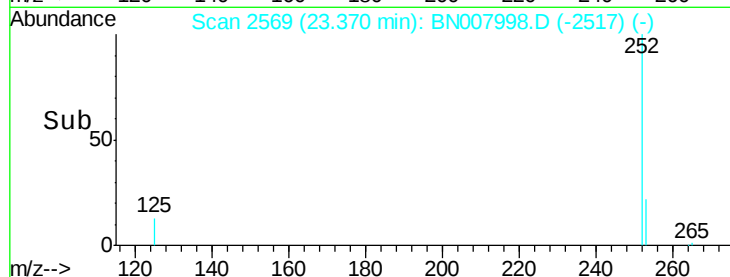
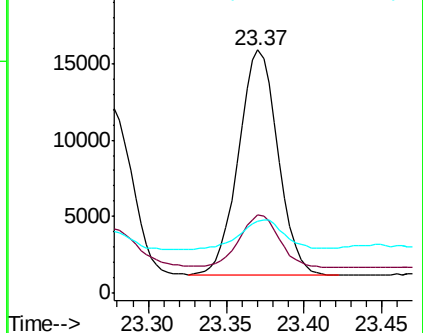
125 29.9 9.4 14.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.042 ng

RT: 25.68 min Scan# 3244

Delta R.T. -0.04 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

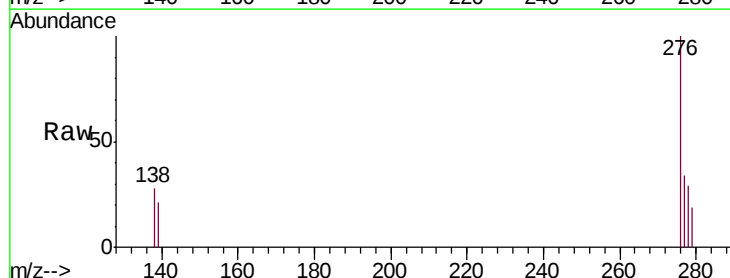
Tgt Ion:278 Resp: 4739

Ion Ratio Lower Upper

278 100

139 71.0 11.8 17.6#

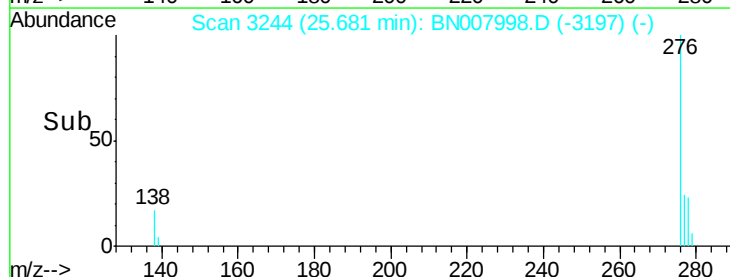
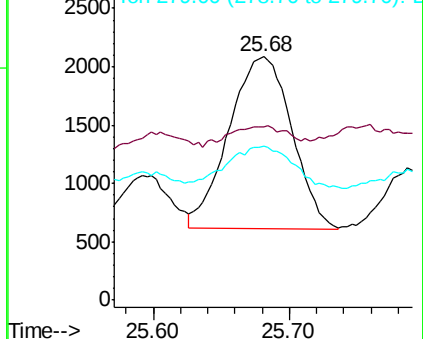
279 63.0 19.4 29.2#

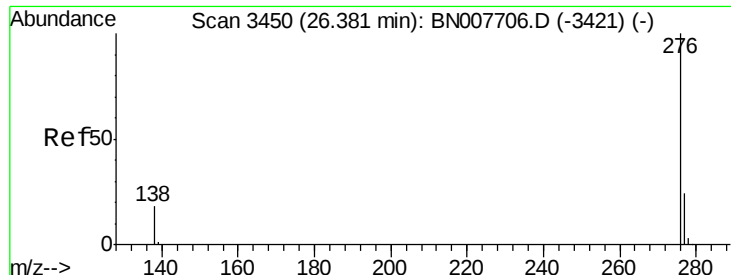


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.166 ng

RT: 26.35 min Scan# 3439

Delta R.T. -0.03 min

Lab File: BN007998.D

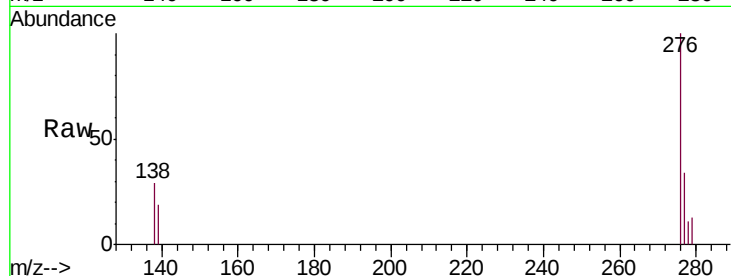
Acq: 04 Oct 2019 01:47

Instrument :

BNA_N

ClientSampleId :

PST-024-B264-092619



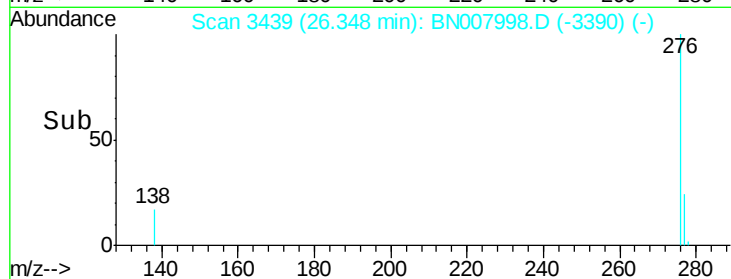
Tgt Ion: 276 Resp: 18438

Ion Ratio Lower Upper

276 100

277 34.2 19.8 29.8#

138 29.2 15.1 22.7#



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

