

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022020\
 Data File : BN009800.D
 Acq On : 21 Feb 2020 03:57
 Operator : CG/JU
 Sample : L1482-04MSD 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 21 04:28:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 19 15:57:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	1779	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6346	0.40	ng	-0.03
13) Acenaphthene-d10	14.03	164	3747	0.40	ng	-0.02
19) Phenanthrene-d10	16.79	188	7572	0.40	ng	-0.02
27) Chrysene-d12	21.00	240	8031	0.40	ng	-0.03
34) Perylene-d12	23.11	264	8314	0.40	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.07	112	332	0.08	ng	-0.02
5) Phenol-d6	6.62	99	381	0.08	ng	-0.02
8) Nitrobenzene-d5	8.57	82	396	0.07	ng	-0.03
11) 2-Methylnaphthalene-d10	11.75	152	920	0.07	ng	-0.04
14) 2,4,6-Tribromophenol	15.55	330	127	0.09	ng	-0.03
15) 2-Fluorobiphenyl	12.65	172	1168	0.08	ng	-0.03
25) Fluoranthene-d10	18.83	212	1403	0.05	ng	-0.03
29) Terphenyl-d14	19.45	244	4316	0.22	ng	-0.03

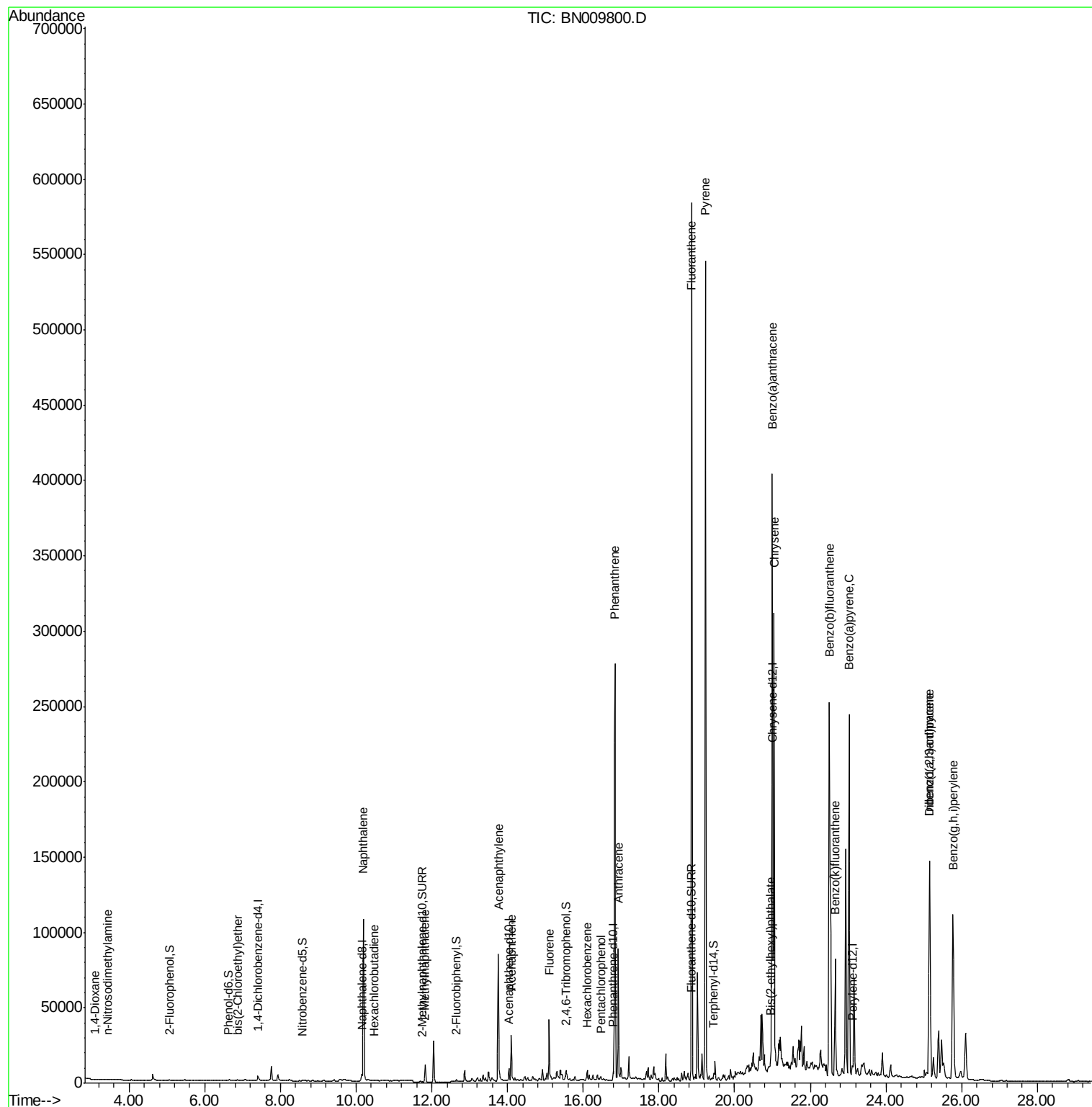
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	118	0.065	ng	# 63
3) n-Nitrosodimethylamine	3.42	42	215	0.072	ng	# 17
6) bis(2-Chloroethyl)ether	6.86	93	401	0.086	ng	90
9) Naphthalene	10.19	128	154227	8.911	ng	# 94
10) Hexachlorobutadiene	10.48	225	245	0.064	ng	# 95
12) 2-Methylnaphthalene	11.82	142	9639	0.812	ng	98
16) Acenaphthylene	13.76	152	106708	6.680	ng	99
17) Acenaphthene	14.10	154	15301	1.362	ng	98
18) Fluorene	15.09	166	28216	1.904	ng	95
20) 4-Bromophenyl-phenylether	16.01	248	283	Below Cal		# 74
21) Hexachlorobenzene	16.11	284	337	0.071	ng	# 91
22) Pentachlorophenol	16.48	266	258	0.342	ng	96
23) Phenanthrene	16.84	178	296385	13.152	ng	99
24) Anthracene	16.92	178	96406	5.061	ng	99
26) Fluoranthene	18.86	202	516965	19.159	ng	99
28) Pyrene	19.23	202	471450	15.459	ng	98
30) Benzo(a)anthracene	20.99	228	317765	11.923	ng	93
31) Chrysene	21.05	228	256176	8.308	ng	97
32) Bis(2-ethylhexyl)phthalate	20.95	149	1786	0.137	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.15	276	203450	6.336	ng	99
35) Benzo(b)fluoranthene	22.50	252	370676	12.196	ng	# 86
36) Benzo(k)fluoranthene	22.66	252	94468	2.855	ng	96
37) Benzo(a)pyrene	23.02	252	303208	10.933	ng	# 80
38) Dibenzo(a,h)anthracene	25.15	278	58243	2.133	ng	97
39) Benzo(g,h,i)perylene	25.77	276	205463	7.063	ng	96

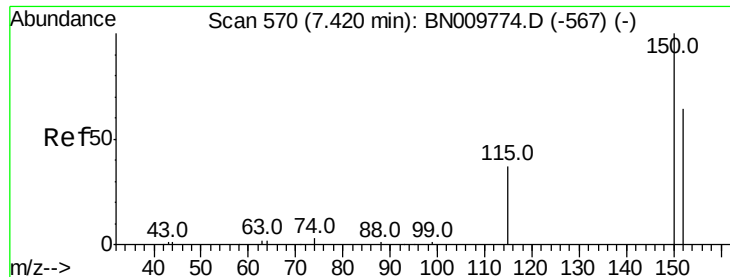
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.41 min Scan# 569

Delta R.T. -0.01 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Instrument :

BNA_N

ClientSampleId :

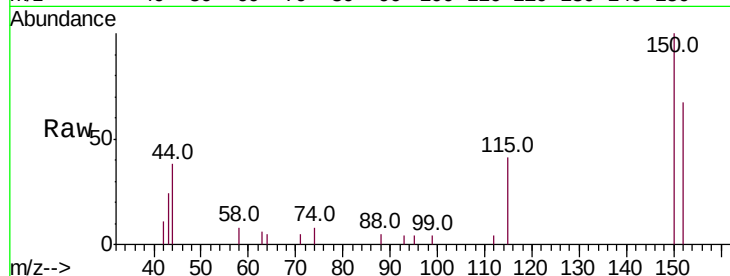
Tot Ion:152 Resp: 1779

Ion Ratio Lower Upper

152 100

150 148.9 120.6 181.0

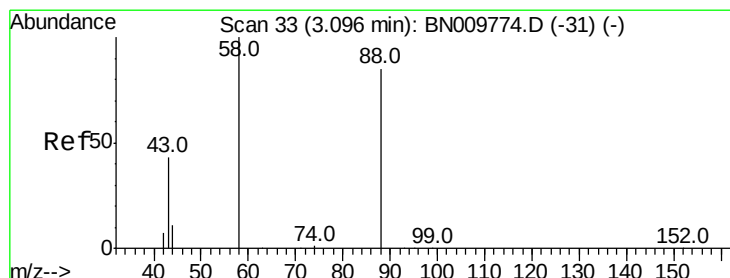
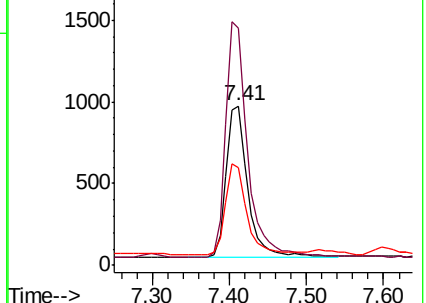
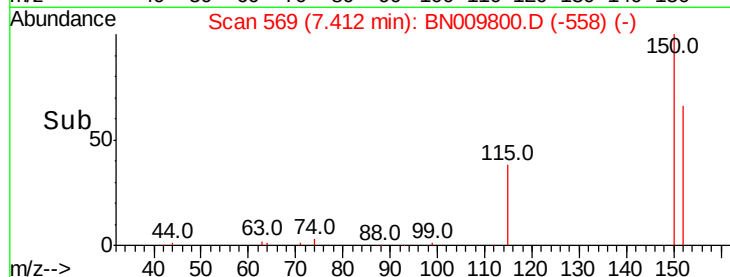
115 60.9 51.2 76.8



Abundance Ion 152.00 (151.70 to 152.70): E

2000 Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.065 ng

RT: 3.09 min Scan# 32

Delta R.T. -0.01 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

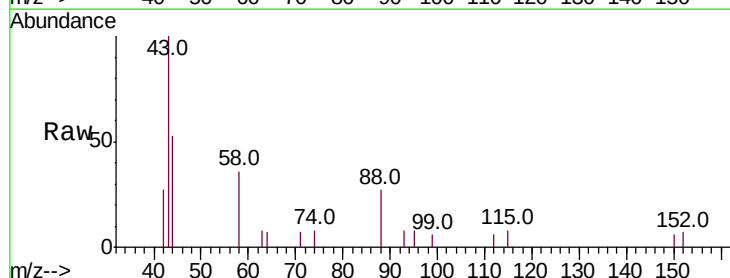
Tgt Ion: 88 Resp: 118

Ion Ratio Lower Upper

88 100

58 100.8 97.8 146.8

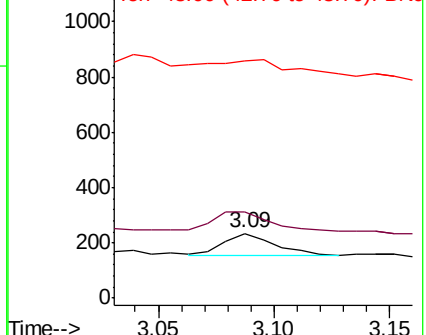
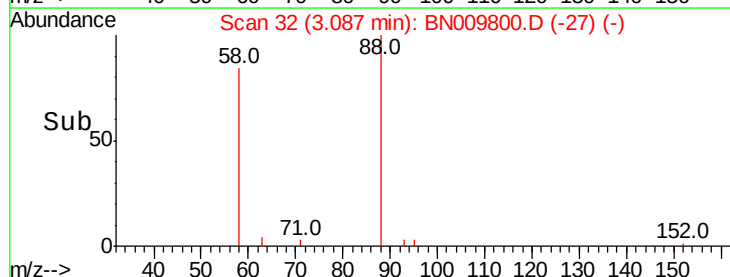
43 0.0 45.1 67.7#

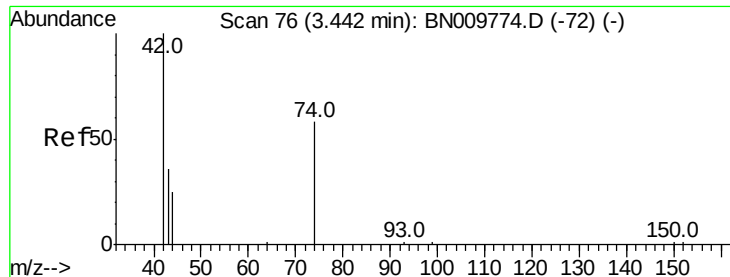


Abundance Ion 88.00 (87.70 to 88.70): BNC

1200 Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.072 ng

RT: 3.42 min Scan# 73

Delta R.T. -0.02 min

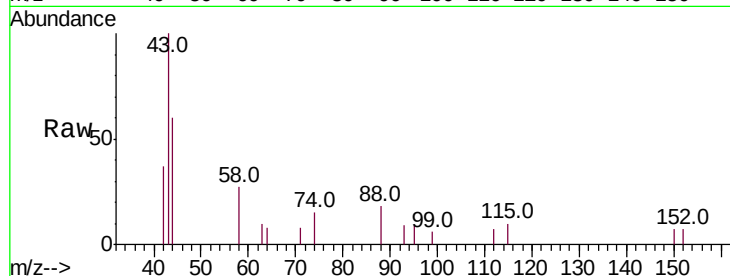
Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Instrument :
BNA_N
ClientSampled :

Tot Ion: 42 Resp: 215

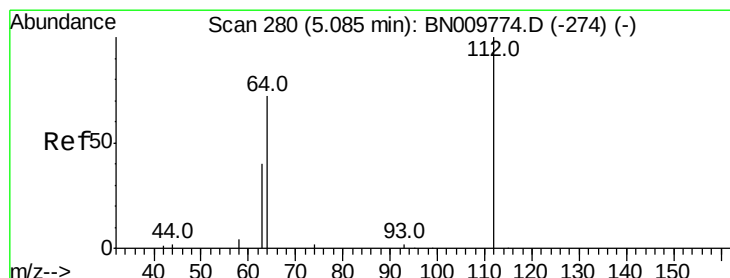
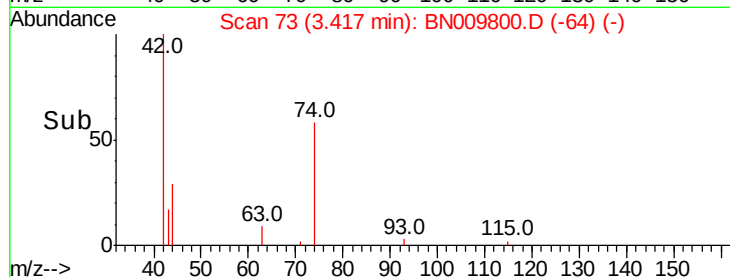
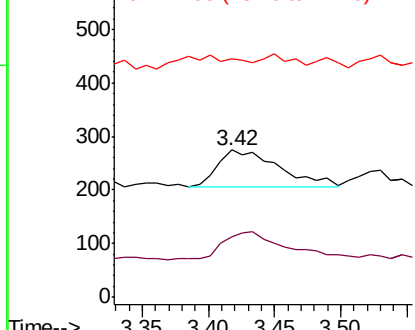
Ion	Ratio	Lower	Upper
42	100		
74	0.0	51.2	76.8#
44	35.3	2.6	4.0#



Abundance Ion 42.00 (41.70 to 42.70): BN0

Ion 74.00 (73.70 to 74.70): BN0

Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.084 ng

RT: 5.07 min Scan# 278

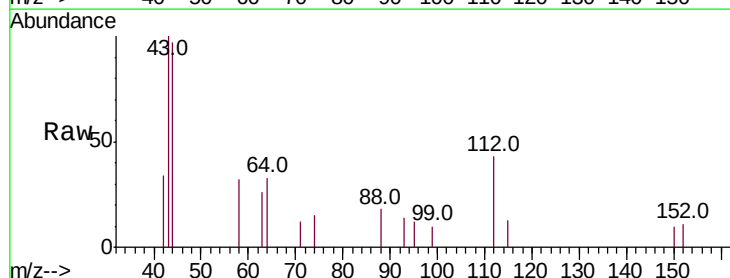
Delta R.T. -0.02 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Tgt Ion: 112 Resp: 332

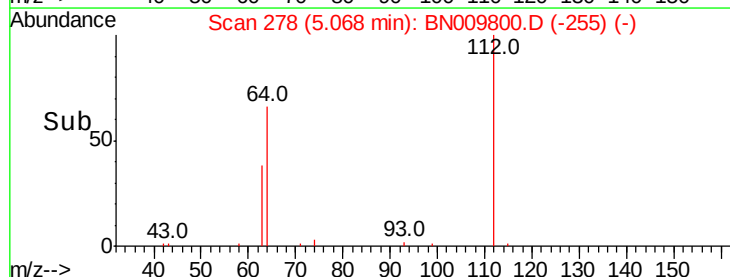
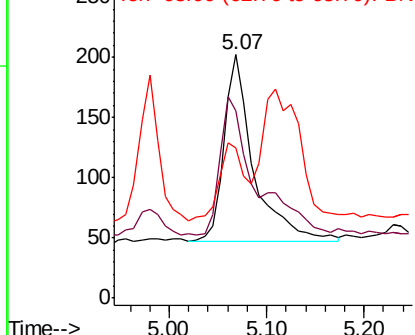
Ion	Ratio	Lower	Upper
112	100		
64	87.3	65.8	98.6
63	36.4	38.7	58.1#

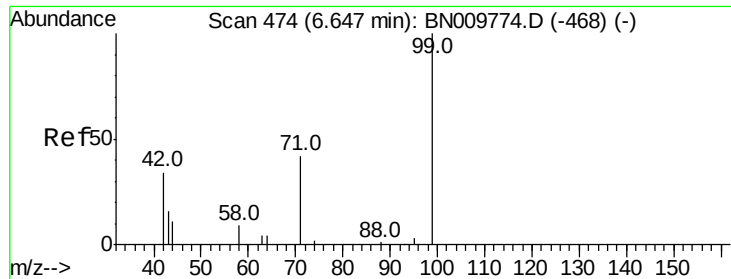


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.079 ng

RT: 6.62 min Scan# 471

Delta R.T. -0.02 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Instrument :

BNA_N

ClientSampled :

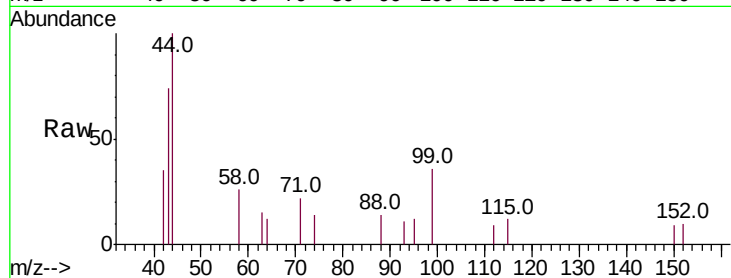
Tot Ion: 99 Resp: 381

Ion Ratio Lower Upper

99 100

42 34.1 30.8 46.2

71 40.7 34.9 52.3



Abundance Ion 99.00 (98.70 to 99.70): BN009774.D (-468) (-)

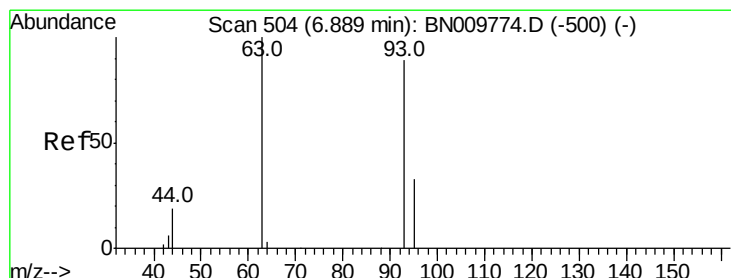
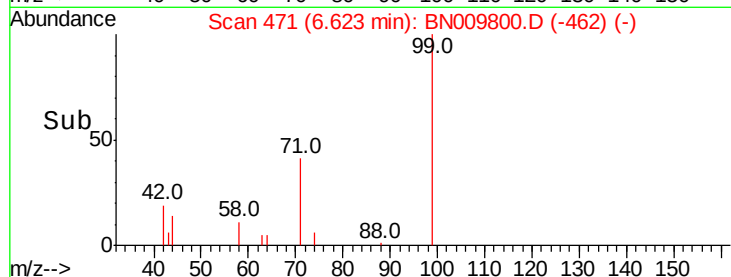
Ion 42.00 (41.70 to 42.70): BN009774.D (-468) (-)

Ion 71.00 (70.70 to 71.70): BN009774.D (-468) (-)

Time-->

6.62

6.60 6.70 6.80



#6

bis(2-Chloroethyl)ether

Concen: 0.086 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.02 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

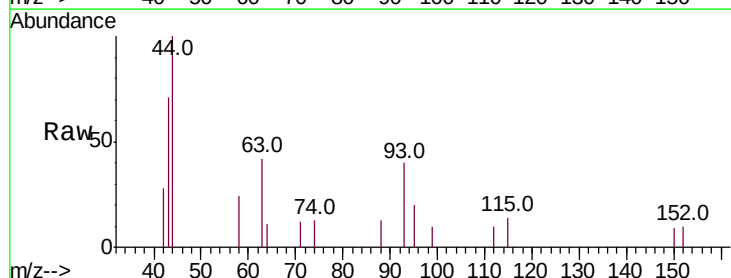
Tgt Ion: 93 Resp: 401

Ion Ratio Lower Upper

93 100

63 80.5 74.0 111.0

95 31.2 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN009774.D (-500) (-)

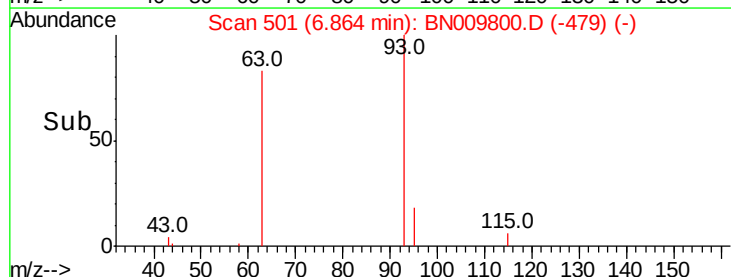
Ion 63.00 (62.70 to 63.70): BN009774.D (-500) (-)

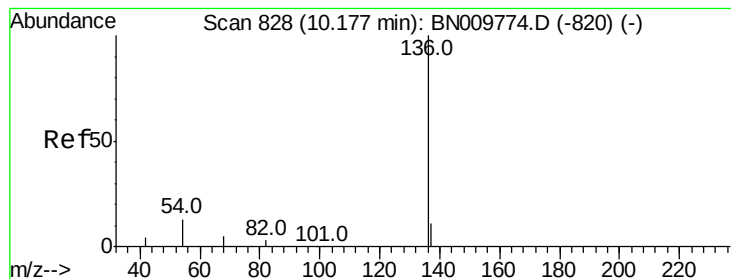
Ion 95.00 (94.70 to 95.70): BN009774.D (-500) (-)

Time-->

6.86

6.80 6.90 7.00





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.03 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Instrument :

BNA_N

ClientSampled :

Tot Ion:136 Resp: 6346

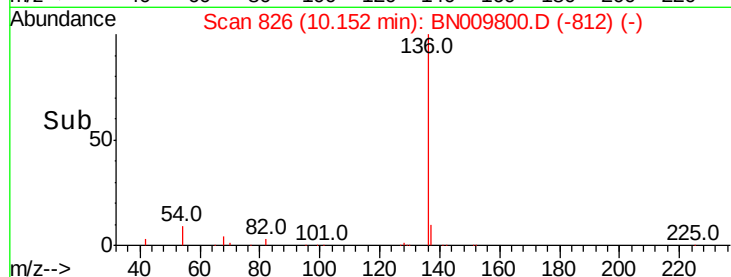
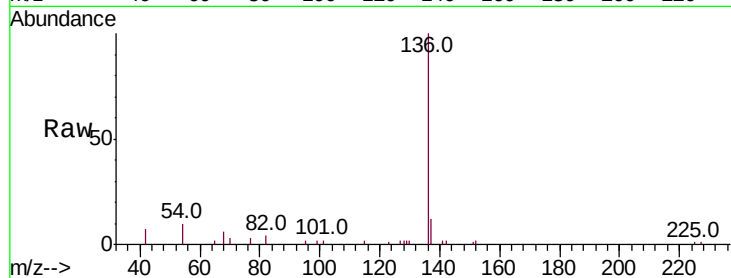
Ion Ratio Lower Upper

136 100

137 11.7 11.3 16.9

54 10.4 13.4 20.2#

68 5.8 7.0 10.4#

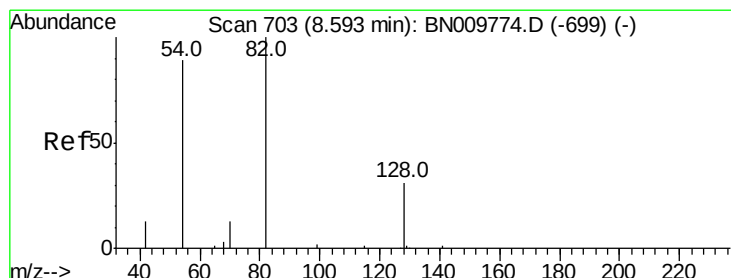
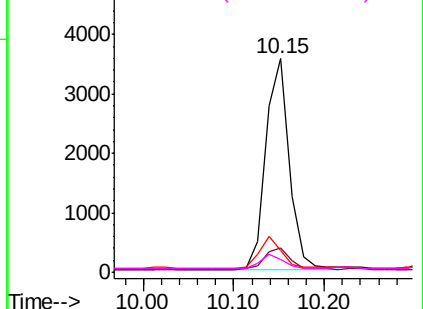


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.075 ng

RT: 8.57 min Scan# 701

Delta R.T. -0.03 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

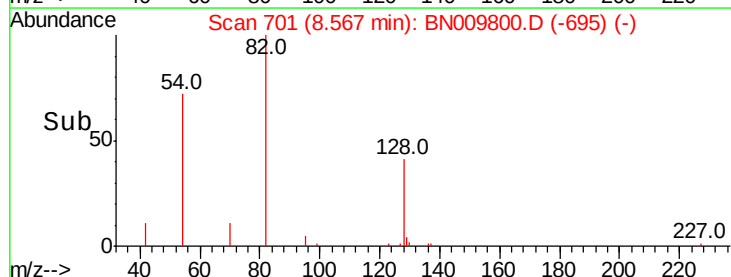
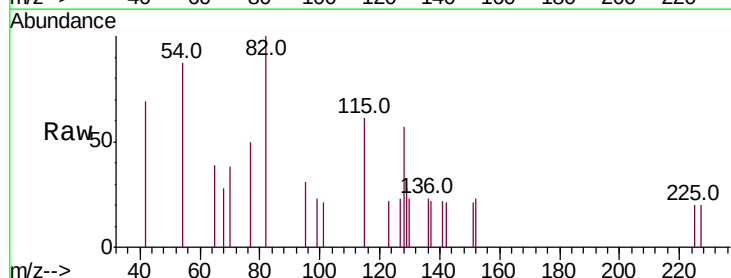
Tgt Ion: 82 Resp: 396

Ion Ratio Lower Upper

82 100

128 57.1 32.5 48.7#

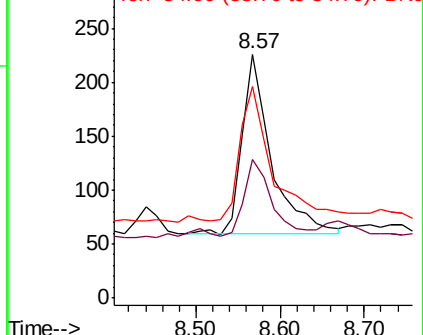
54 86.7 73.5 110.3

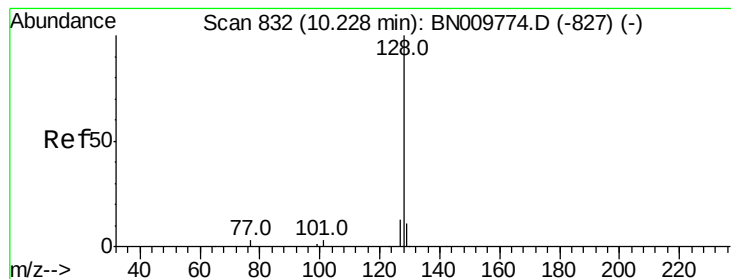


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 8.911 ng

RT: 10.19 min Scan# 829

Delta R.T. -0.04 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Instrument :

BNA_N

ClientSampled :

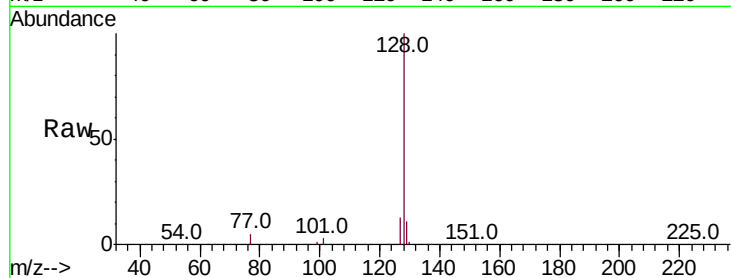
Tot Ion:128 Resp: 154227

Ion Ratio Lower Upper

128 100

129 11.0 11.1 16.7#

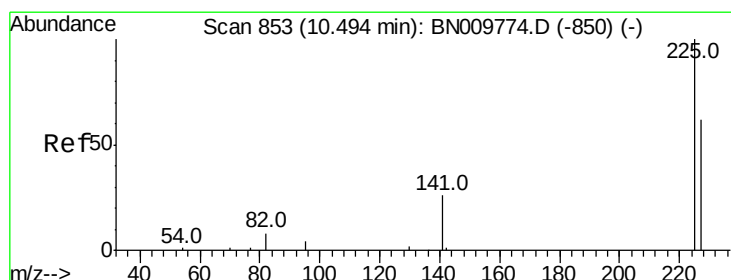
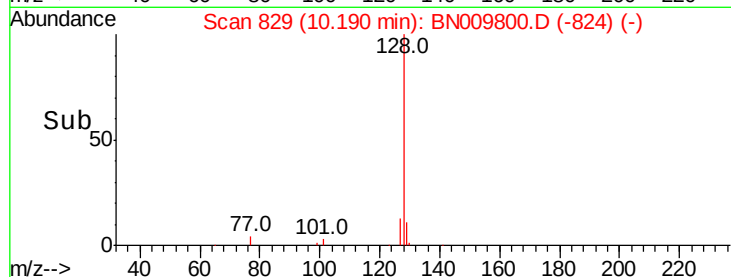
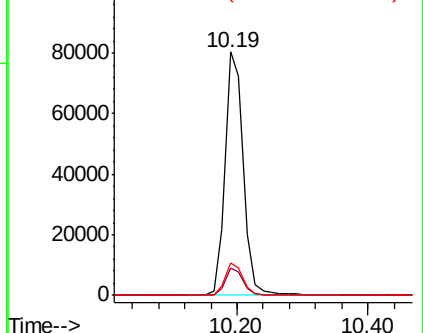
127 13.4 12.6 19.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.064 ng

RT: 10.48 min Scan# 852

Delta R.T. -0.01 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

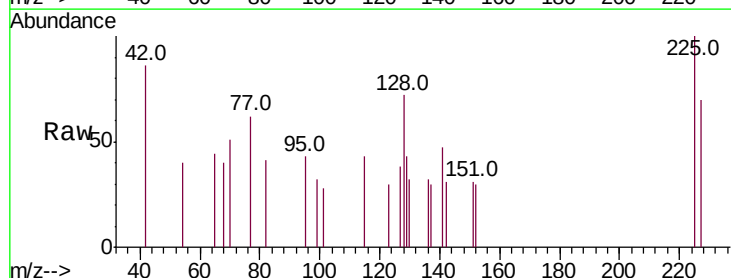
Tgt Ion:225 Resp: 245

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

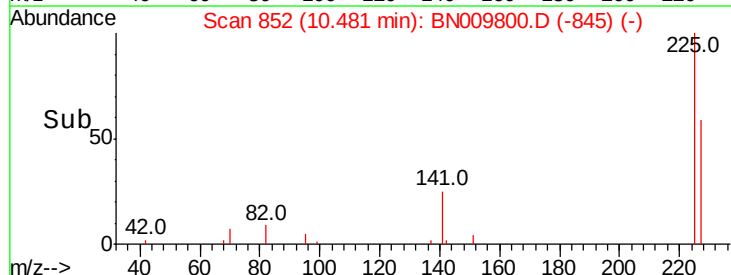
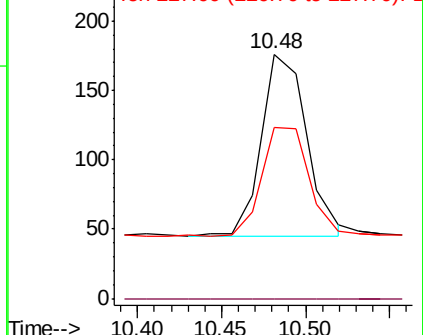
227 62.4 53.4 80.2

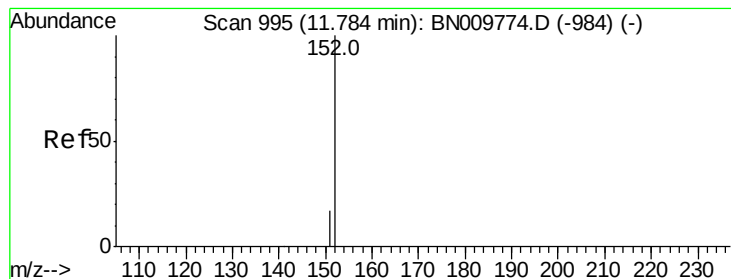


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.075 ng

RT: 11.75 min Scan# 987

Delta R.T. -0.04 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Instrument :

BNA_N

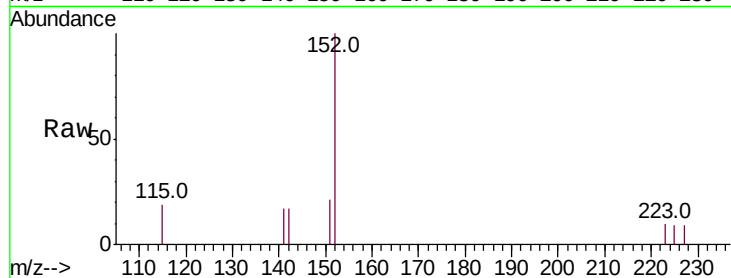
ClientSampleId :

Tot Ion:152 Resp: 920

Ion Ratio Lower Upper

152 100

151 14.8 15.1 22.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.75

600

500

400

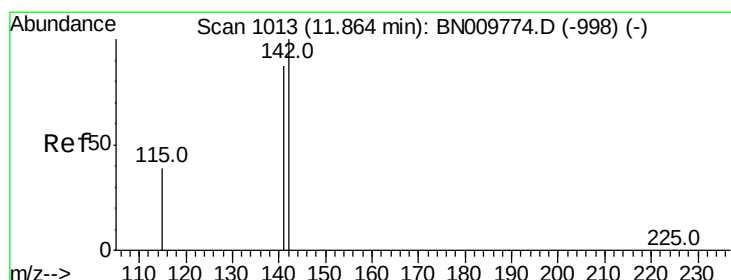
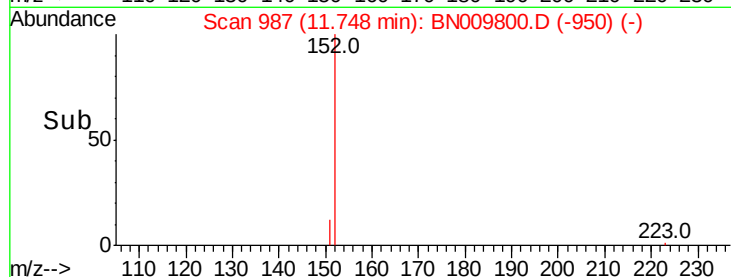
300

200

100

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.812 ng

RT: 11.82 min Scan# 1004

Delta R.T. -0.04 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

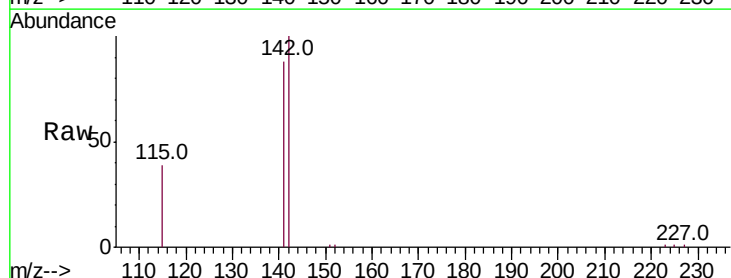
Tgt Ion:142 Resp: 9639

Ion Ratio Lower Upper

142 100

141 87.9 69.8 104.6

115 39.5 34.6 52.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

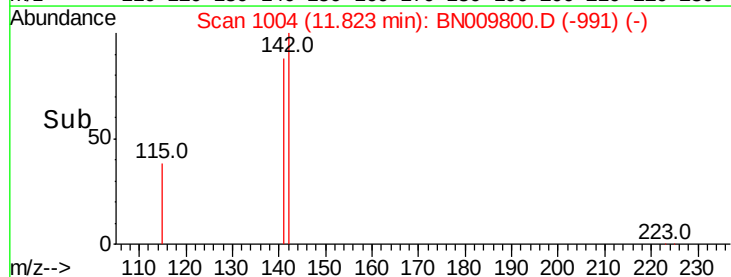
15000

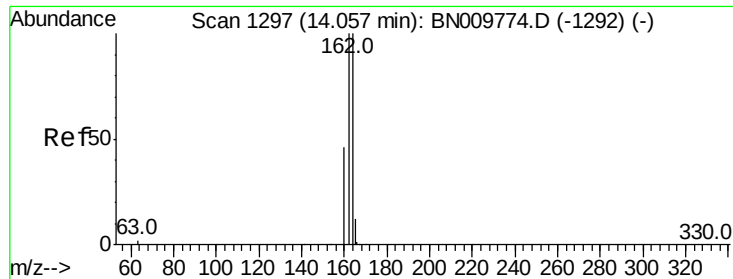
10000

5000

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Instrument :

BNA_N

ClientSampleId :

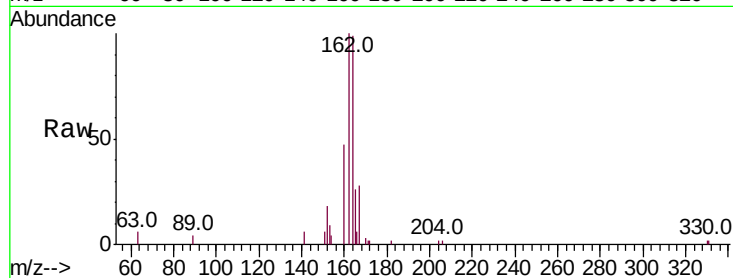
Tot Ion:164 Resp: 3747

Ion Ratio Lower Upper

164 100

162 101.4 79.9 119.9

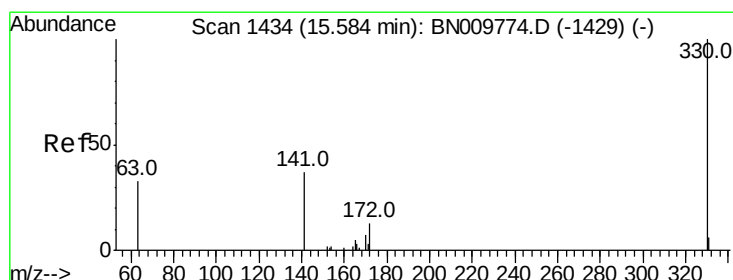
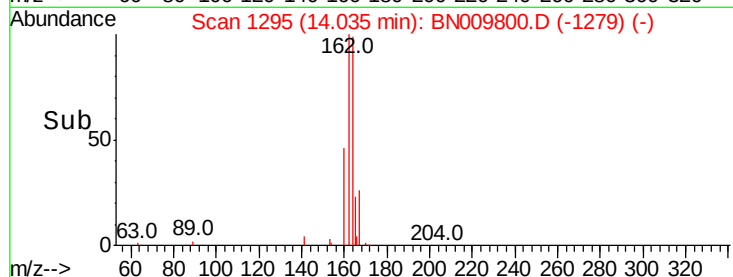
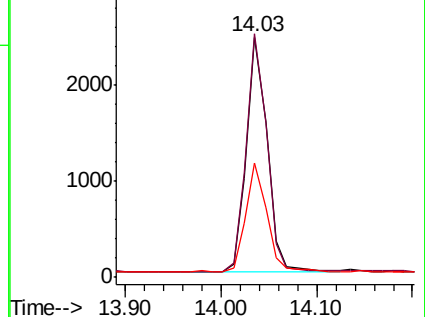
160 47.5 38.2 57.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.088 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.03 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

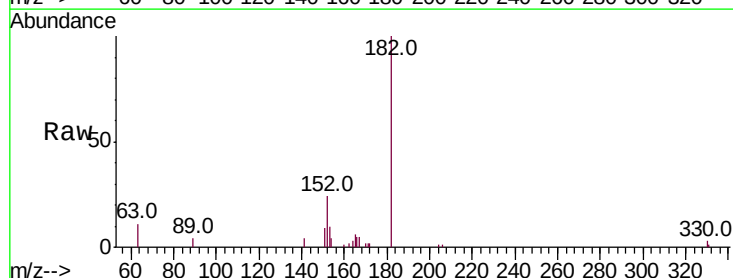
Tgt Ion:330 Resp: 127

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

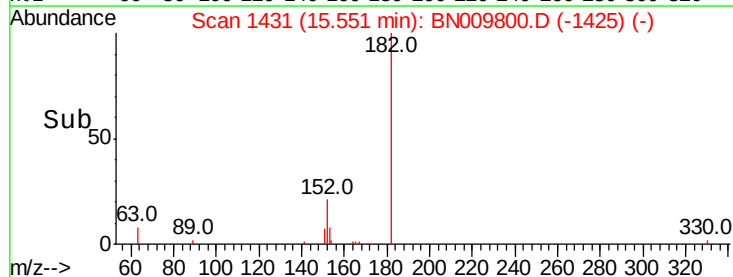
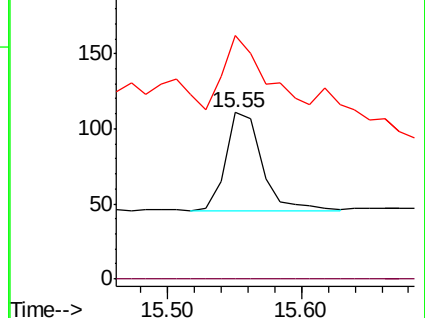
141 80.3 36.8 55.2#

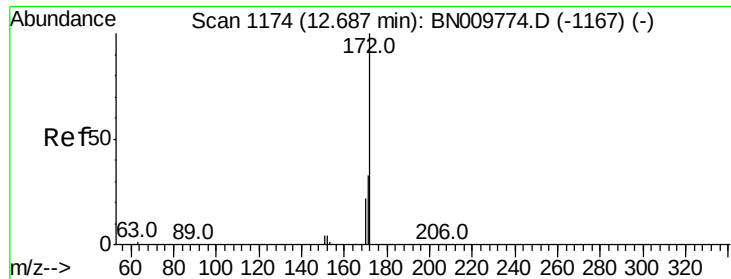


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

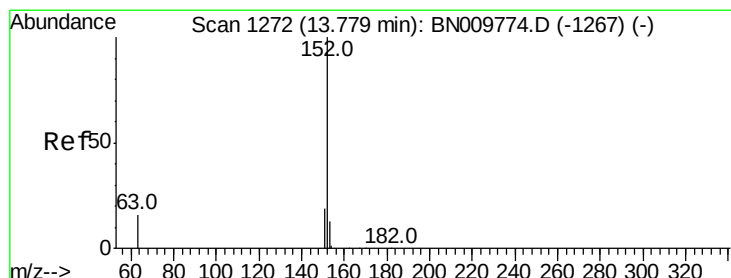
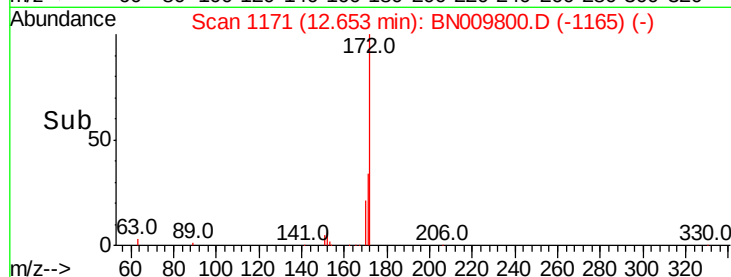
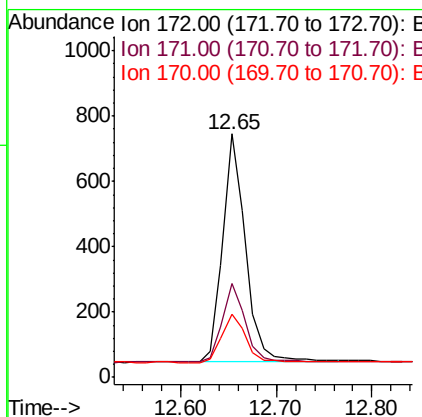
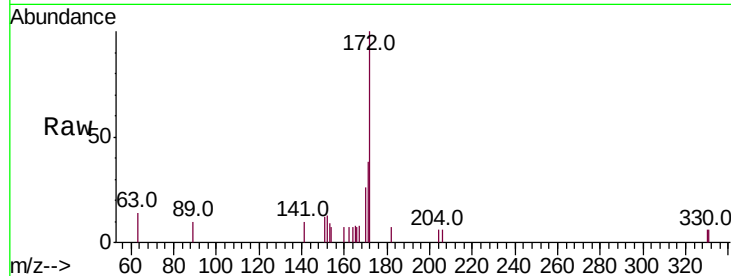




#15
2-Fluorobiphenyl
Concen: 0.083 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.03 min
Lab File: BN009800.D
Acq: 21 Feb 2020 03:57

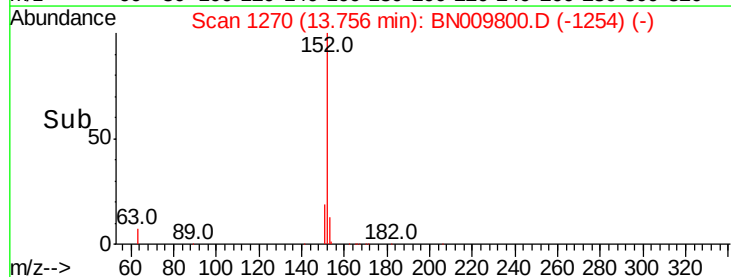
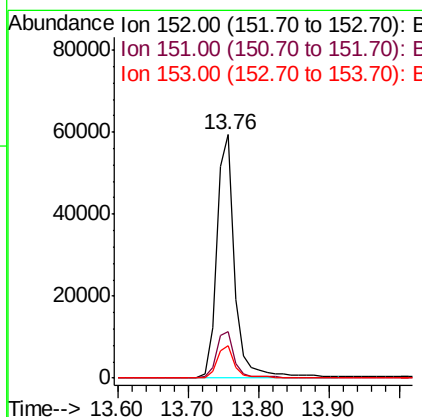
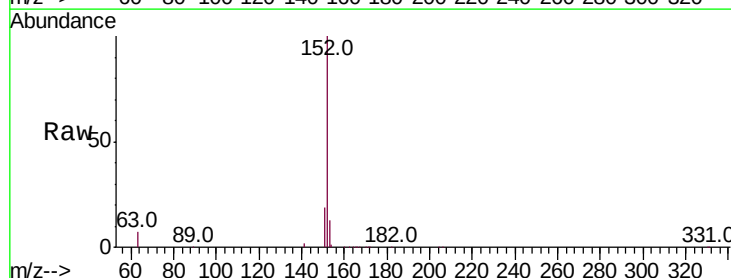
Instrument :
BNA_N
ClientSampleId :

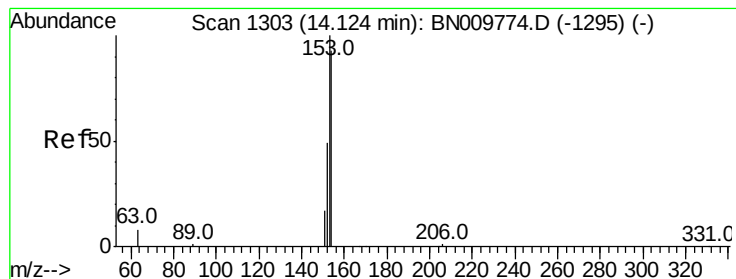
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	28.7	43.1
170	26.1	20.1	30.1



#16
Acenaphthylene
Concen: 6.680 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BN009800.D
Acq: 21 Feb 2020 03:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.2	10.2	15.4





#17

Acenaphthene

Concen: 1.362 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Instrument :

BNA_N

ClientSampleId :

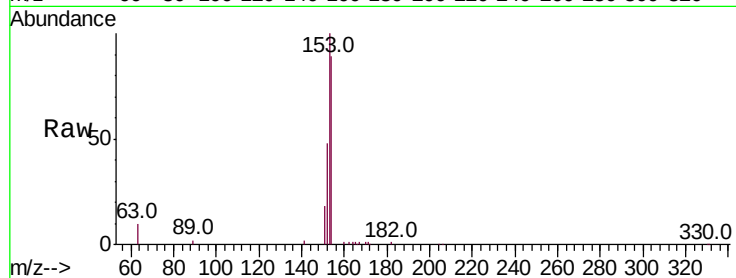
Tot Ion:154 Resp: 15301

Ion Ratio Lower Upper

154 100

153 113.1 88.9 133.3

152 53.7 44.2 66.2

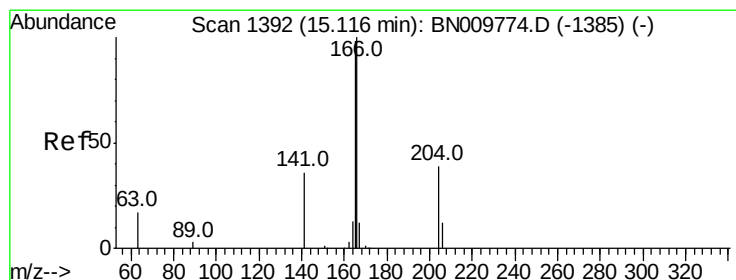
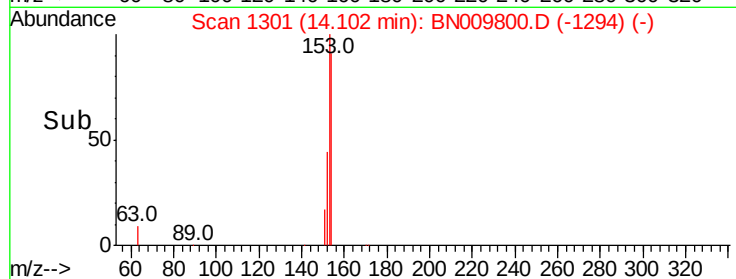
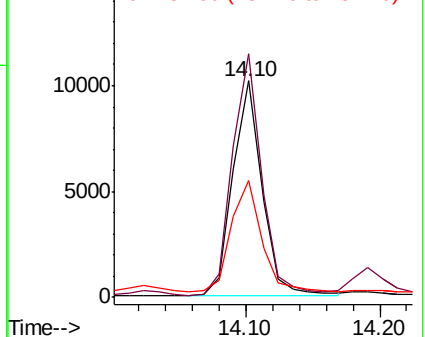


Abundance

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: 1.904 ng

RT: 15.09 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

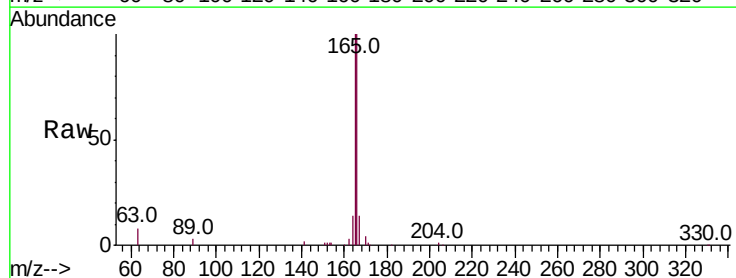
Tgt Ion:166 Resp: 28216

Ion Ratio Lower Upper

166 100

165 101.6 77.2 115.8

167 14.7 10.5 15.7

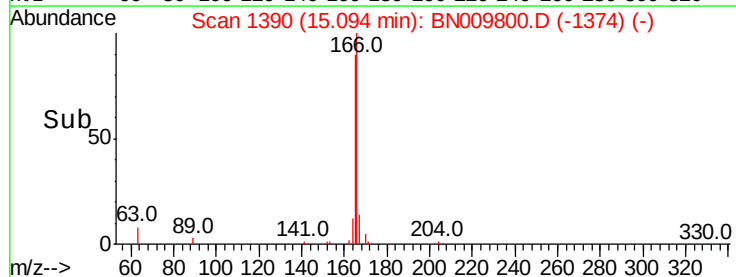
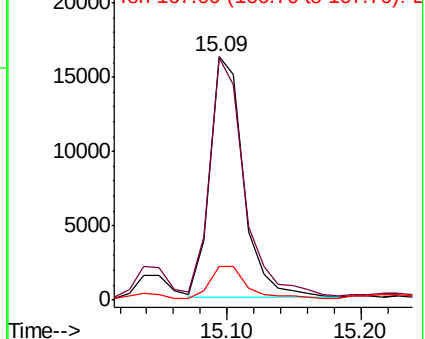


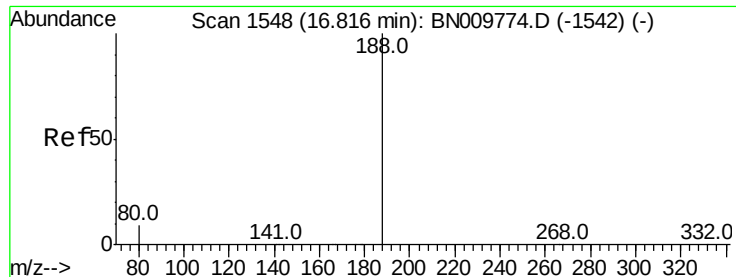
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.02 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Instrument :

BNA_N

ClientSampleId :

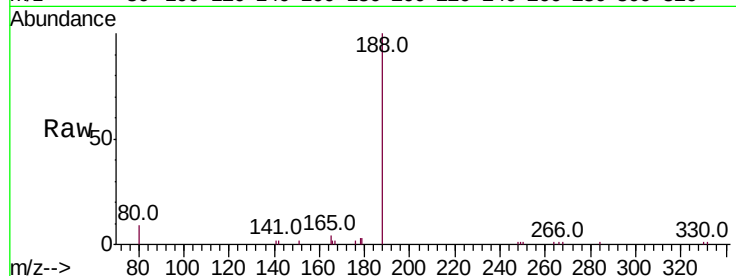
Tot Ion:188 Resp: 7572

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

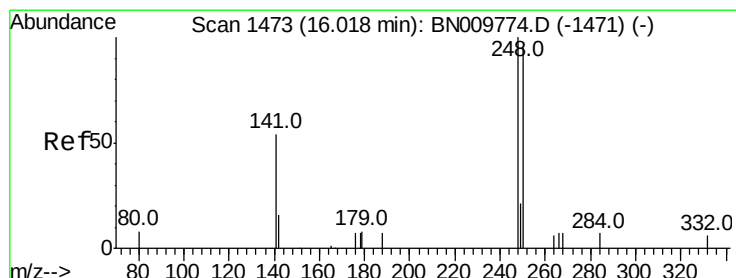
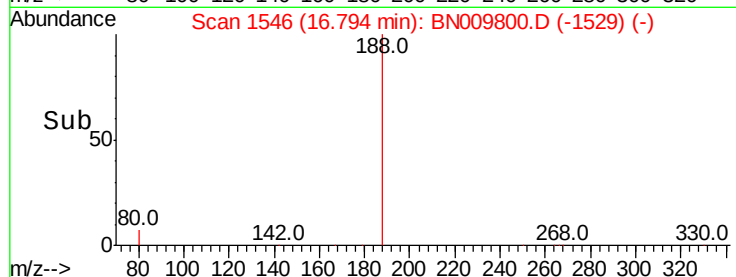
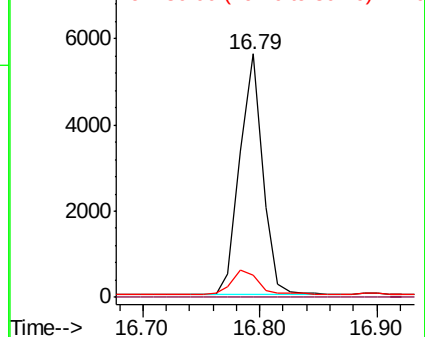
80 8.9 8.3 12.5



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



#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

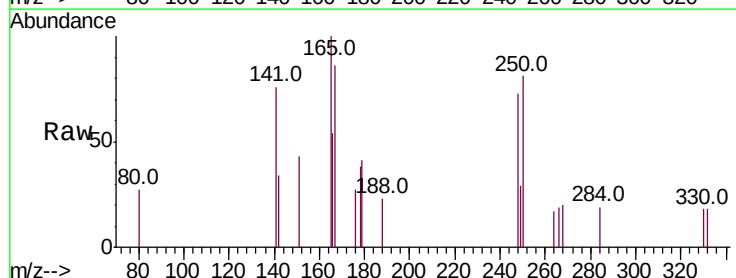
Tgt Ion:248 Resp: 283

Ion Ratio Lower Upper

248 100

250 110.8 76.2 114.4

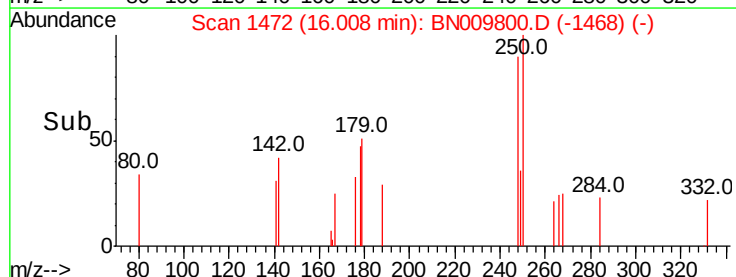
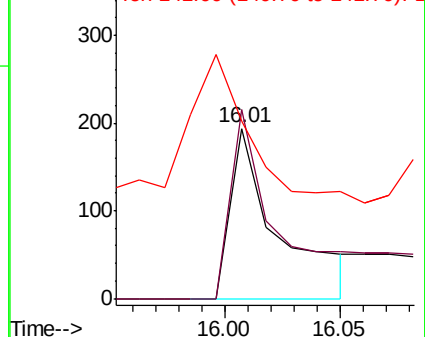
141 104.1 57.8 86.6#

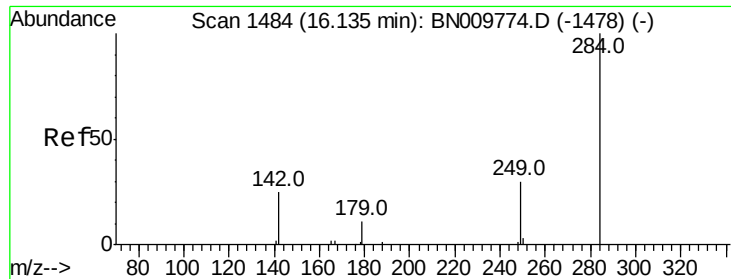


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.071 ng

RT: 16.11 min Scan# 1482

Delta R.T. -0.02 min

Lab File: BN009800.D

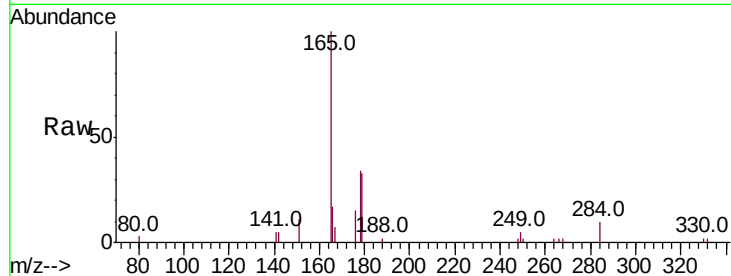
Acq: 21 Feb 2020 03:57

Instrument :

BNA_N

ClientSampleId :

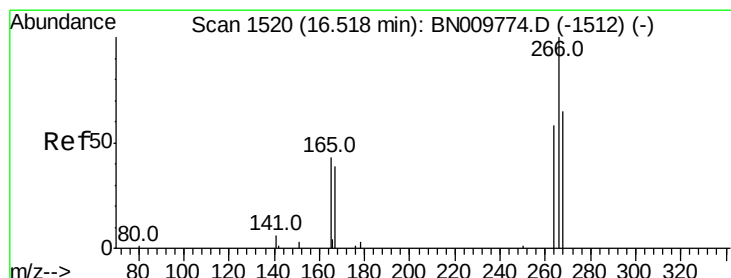
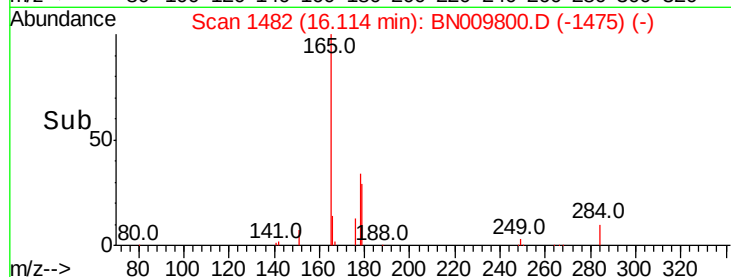
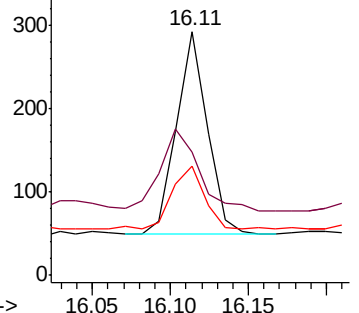
Tot Ion:	284	Resp:	337
Ion	Ratio	Lower	Upper
284	100		
142	50.4	33.3	49.9#
249	33.8	25.7	38.5



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.342 ng

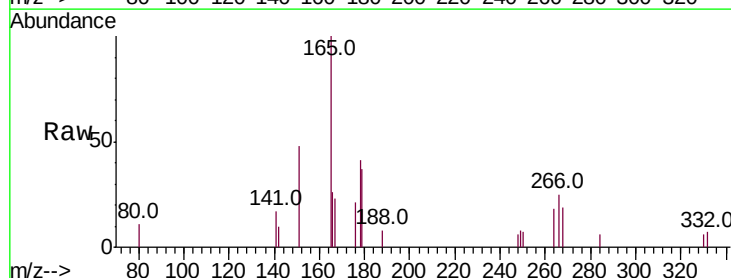
RT: 16.48 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

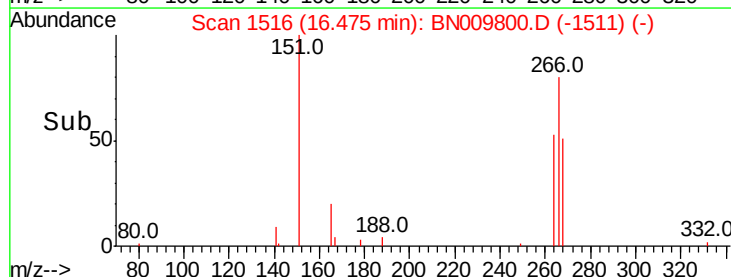
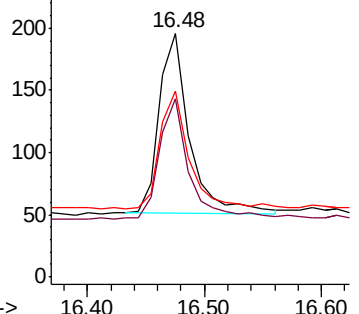
Tgt Ion:	266	Resp:	258
Ion	Ratio	Lower	Upper
266	100		
264	73.0	58.1	87.1
268	76.0	65.7	98.5

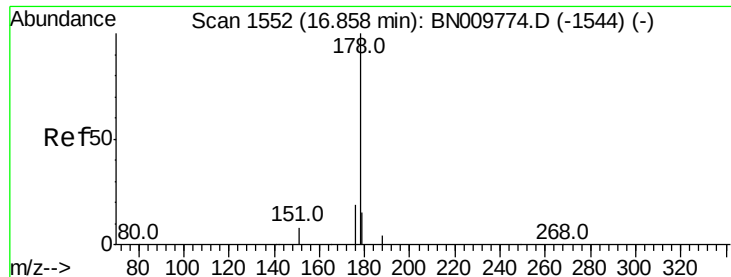


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 13.152 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.02 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Instrument :

BNA_N

ClientSampleId :

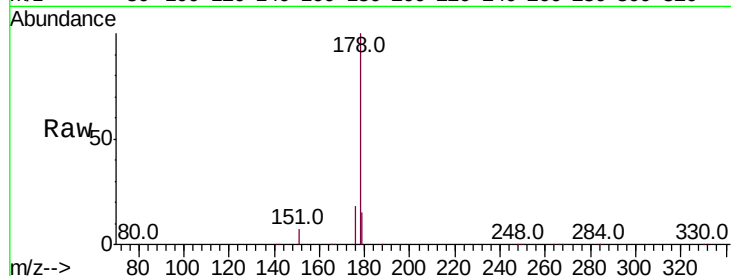
Tot Ion:178 Resp: 296385

Ion Ratio Lower Upper

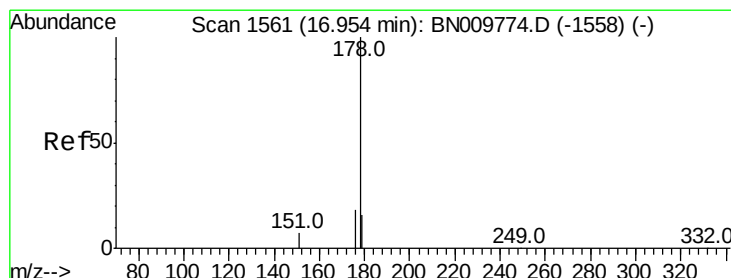
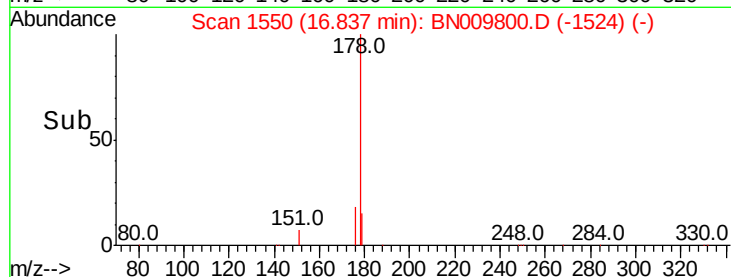
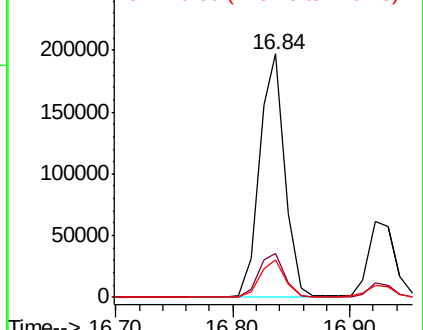
178 100

176 18.6 15.3 22.9

179 15.3 12.4 18.6



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: 5.061 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.03 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

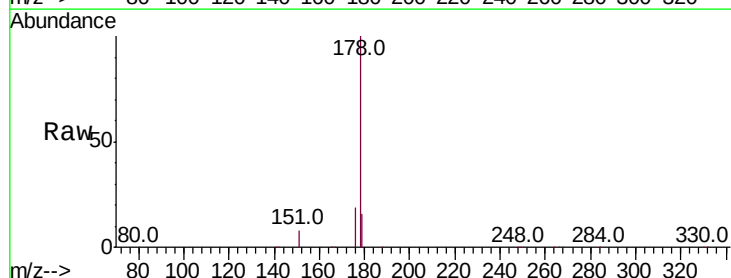
Tgt Ion:178 Resp: 96406

Ion Ratio Lower Upper

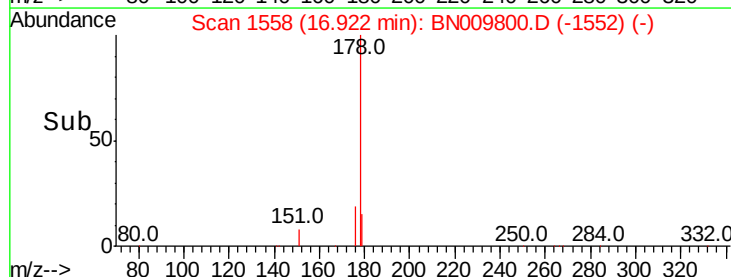
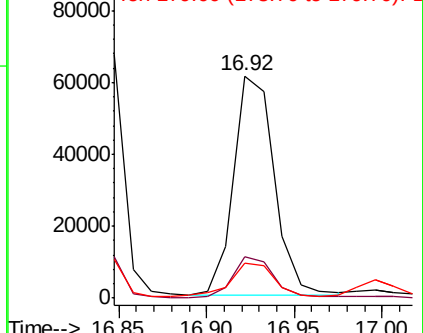
178 100

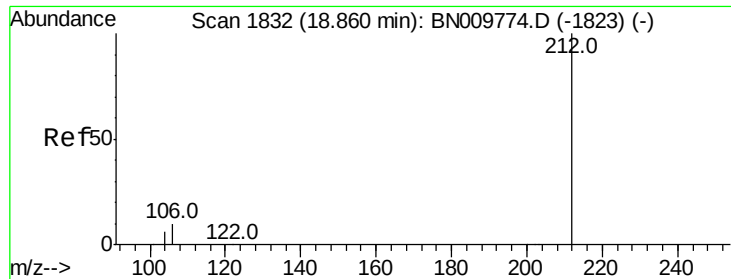
176 18.1 14.3 21.5

179 16.3 12.4 18.6



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: 0.054 ng

RT: 18.83 min Scan# 1827

Delta R.T. -0.03 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Instrument :

BNA_N

ClientSampleId :

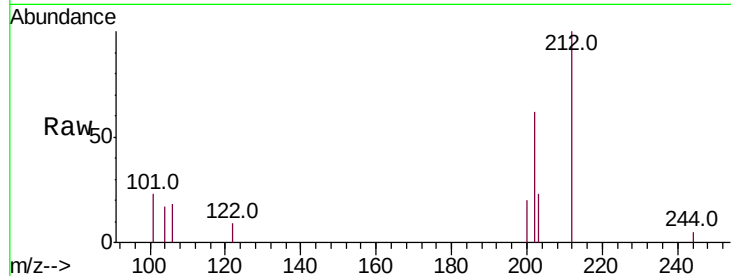
Tot Ion:212 Resp: 1403

Ion Ratio Lower Upper

212 100

106 11.8 8.4 12.6

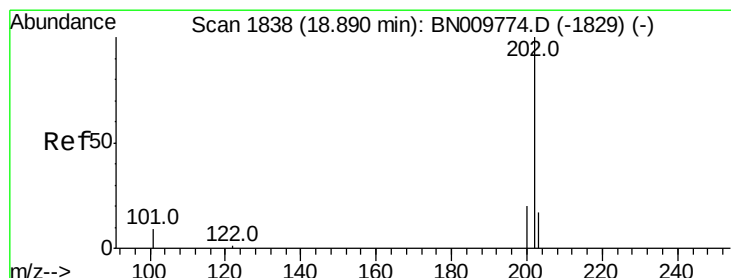
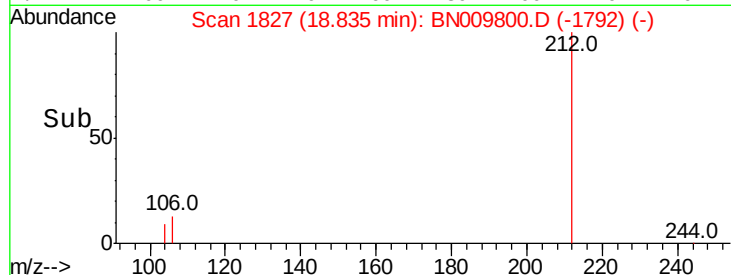
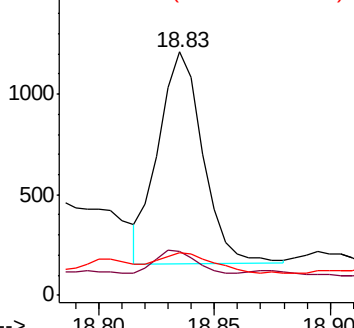
104 13.5 4.8 7.2#



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: 19.159 ng

RT: 18.86 min Scan# 1833

Delta R.T. -0.03 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

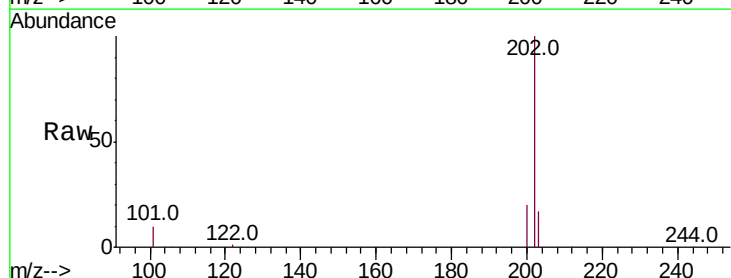
Tgt Ion:202 Resp: 516965

Ion Ratio Lower Upper

202 100

101 9.9 7.1 10.7

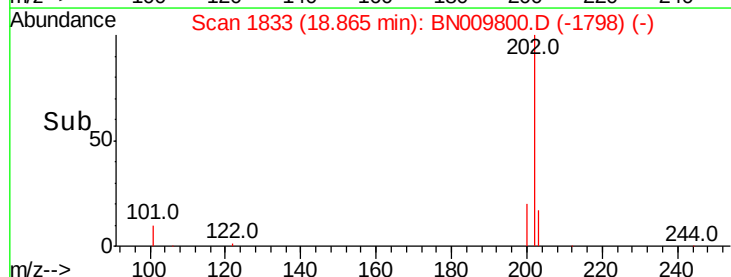
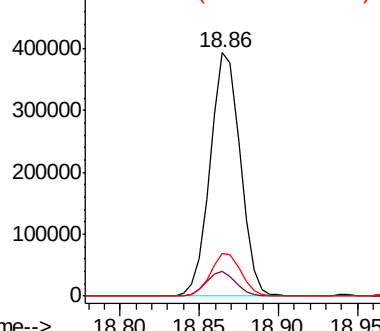
203 17.5 13.8 20.6

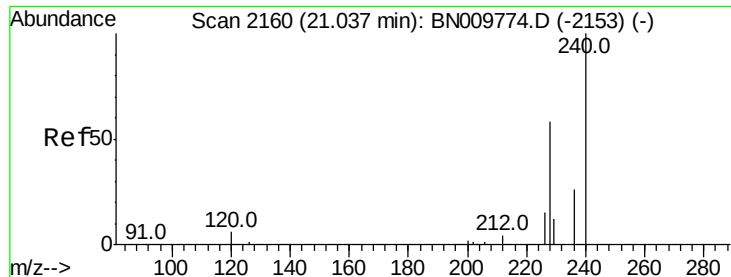


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.00 min Scan# 2157

Delta R.T. -0.03 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Instrument :

BNA_N

ClientSampleId :

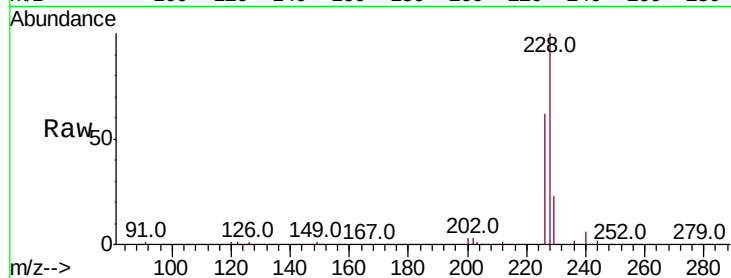
Tot Ion:240 Resp: 8031

Ion Ratio Lower Upper

240 100

120 17.7 7.9 11.9#

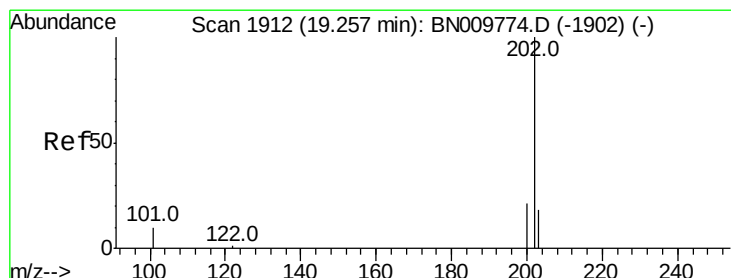
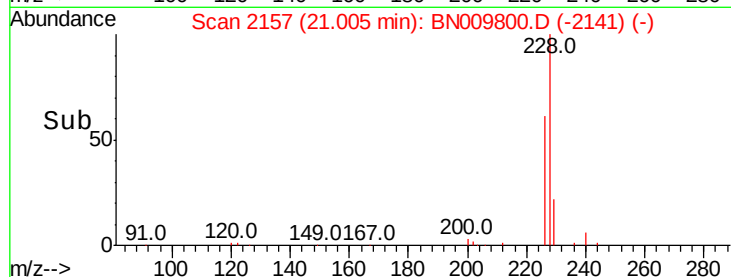
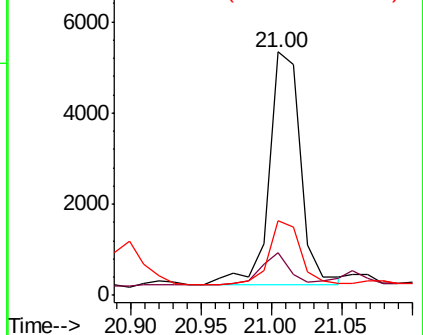
236 30.6 22.0 33.0



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: 15.459 ng

RT: 19.23 min Scan# 1907

Delta R.T. -0.03 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

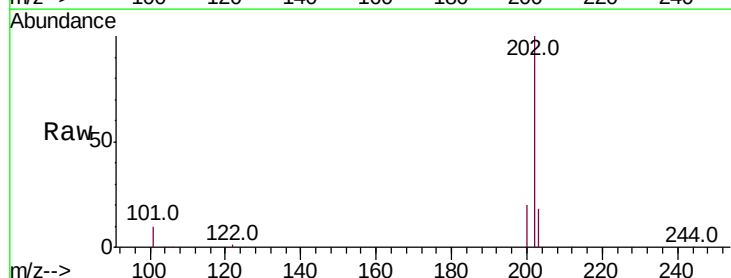
Tgt Ion:202 Resp: 471450

Ion Ratio Lower Upper

202 100

200 20.4 16.4 24.6

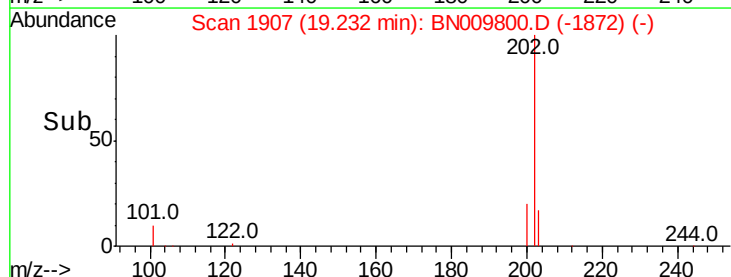
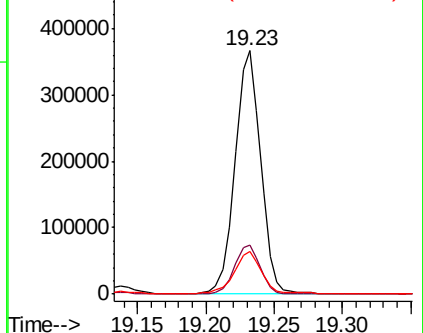
203 19.1 13.9 20.9

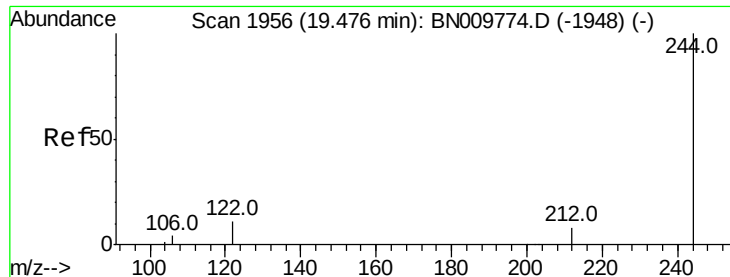


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.225 ng

RT: 19.45 min Scan# 1951

Delta R.T. -0.03 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Instrument :

BNA_N

ClientSampleId :

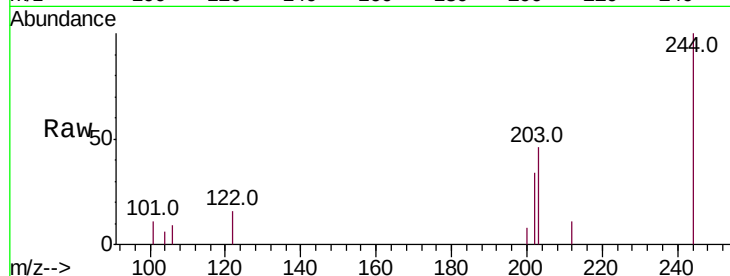
Tot Ion:244 Resp: 4316

Ion Ratio Lower Upper

244 100

212 11.5 8.0 12.0

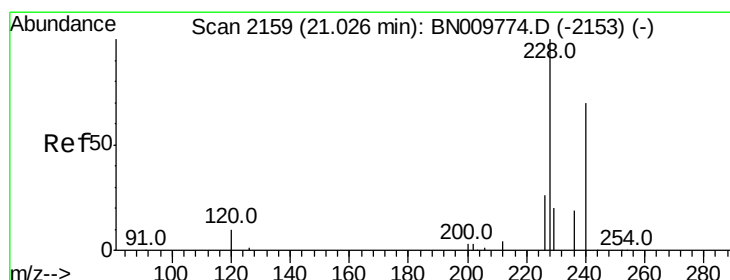
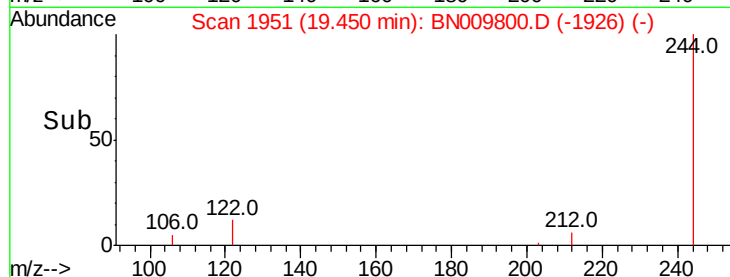
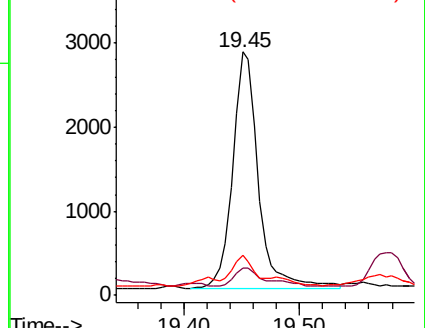
122 16.2 10.0 15.0#



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: 11.923 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.03 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

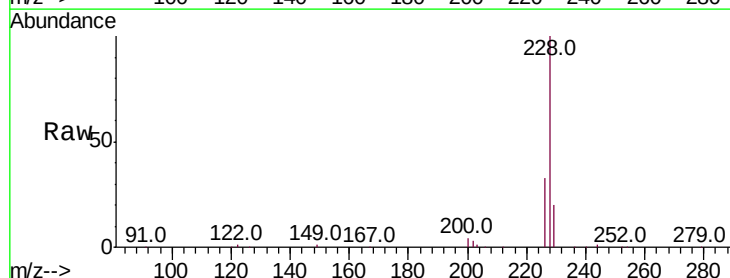
Tgt Ion:228 Resp: 317765

Ion Ratio Lower Upper

228 100

226 32.7 21.8 32.8

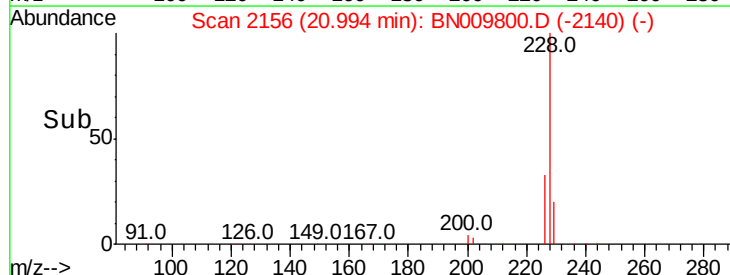
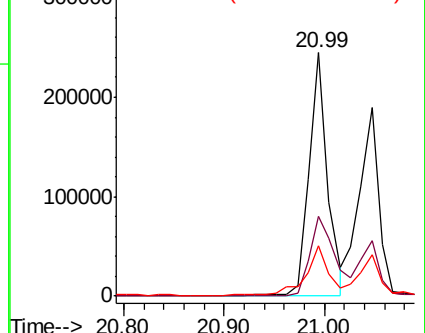
229 20.5 17.1 25.7

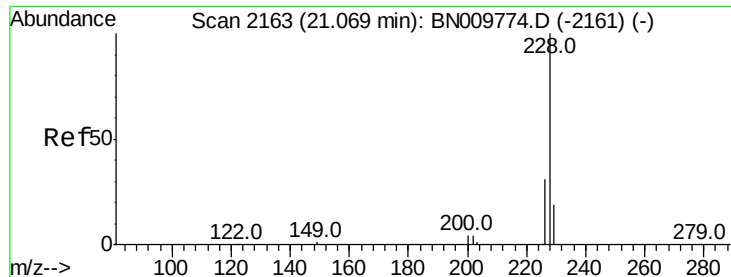


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 8.308 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.02 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

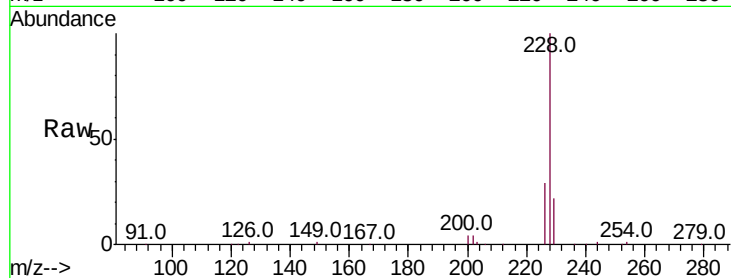
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 256176

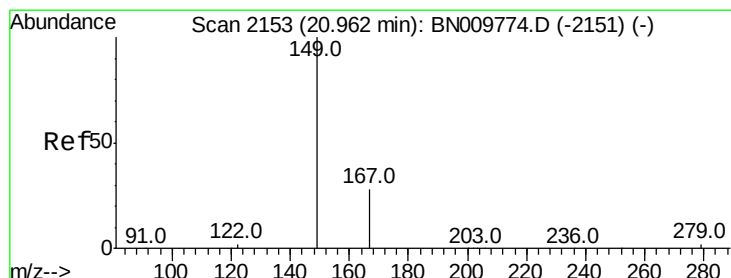
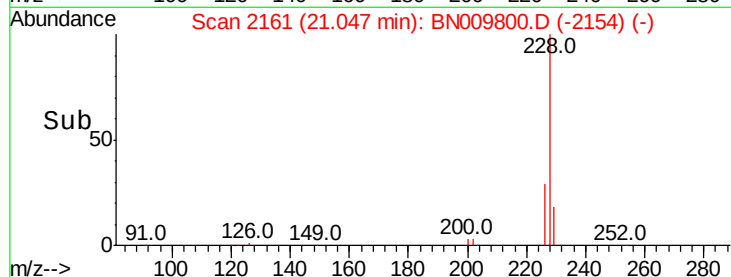
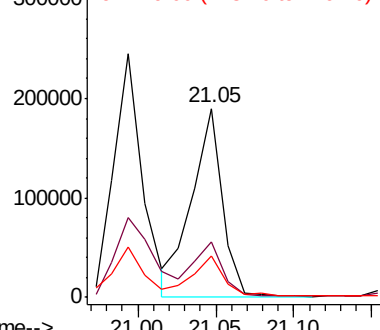
Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.8	37.2
229	22.0	16.4	24.6



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: 0.137 ng

RT: 20.95 min Scan# 2152

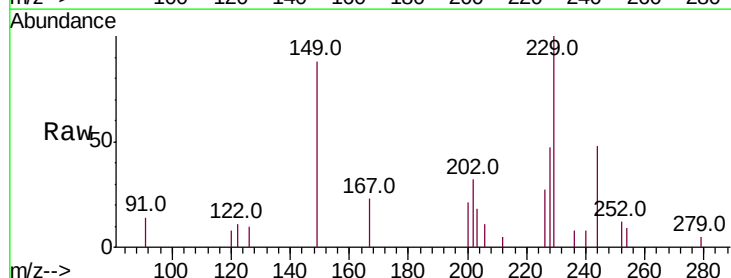
Delta R.T. -0.01 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Tgt Ion:149 Resp: 1786

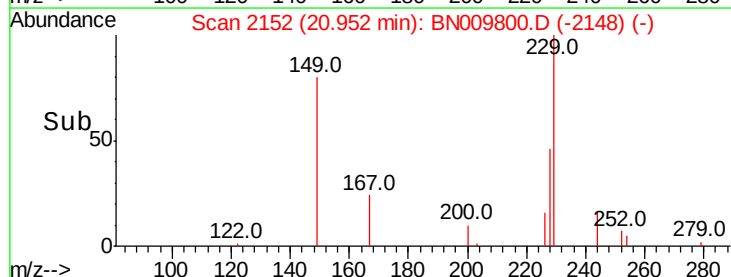
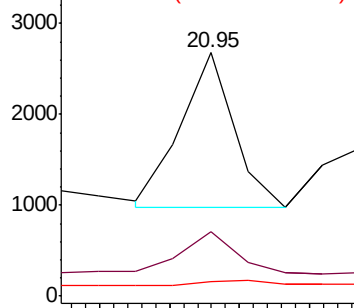
Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.7	34.1
279	4.9	3.1	4.7#

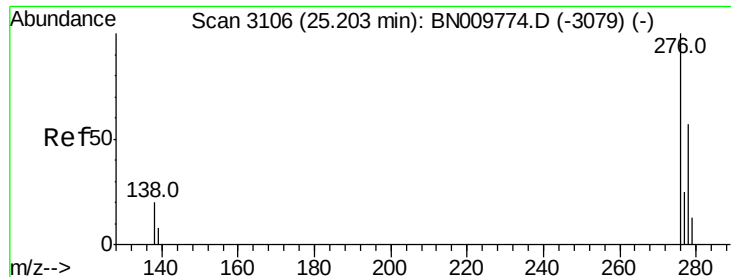


Abundance Ion 149.00 (148.70 to 149.70): E

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: 6.336 ng

RT: 25.15 min Scan# 3091

Delta R.T. -0.05 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Instrument :

BNA_N

ClientSampleId :

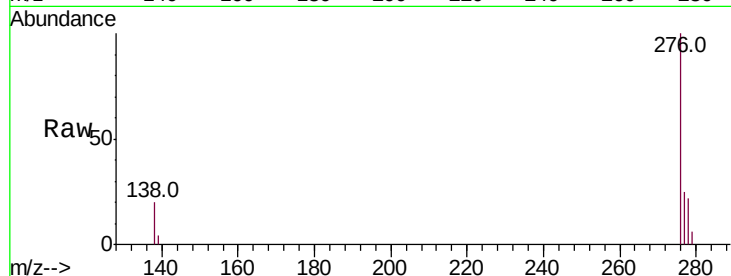
Tot Ion:276 Resp: 203450

Ion Ratio Lower Upper

276 100

138 19.5 15.8 23.6

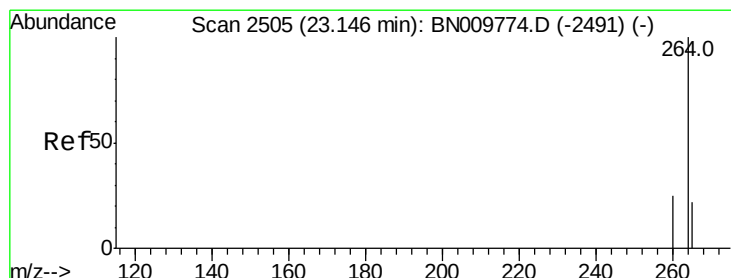
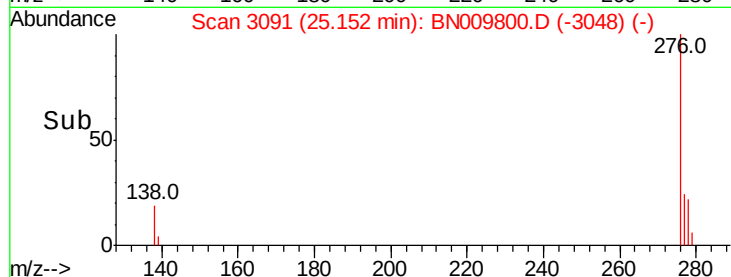
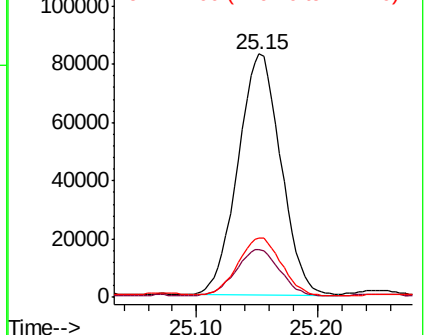
277 24.9 19.3 28.9



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: 23.11 min Scan# 2495

Delta R.T. -0.03 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

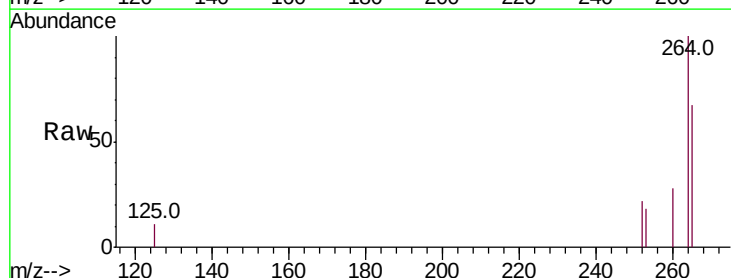
Tgt Ion:264 Resp: 8314

Ion Ratio Lower Upper

264 100

260 27.6 21.1 31.7

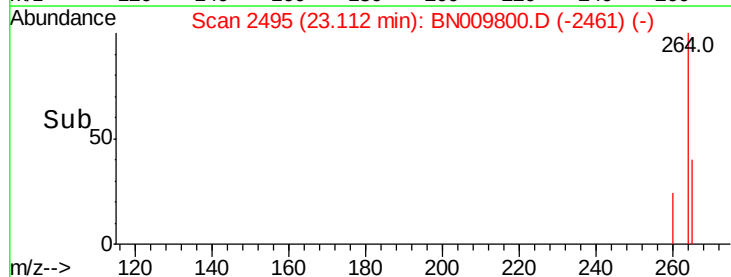
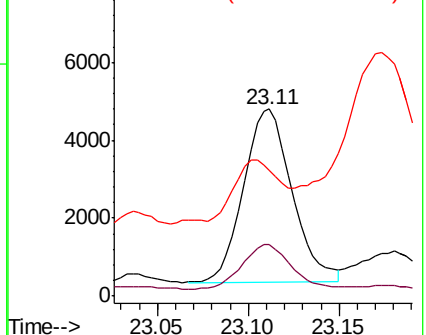
265 67.3 57.5 86.3

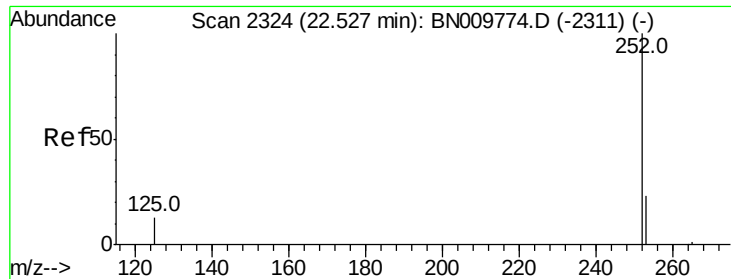


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

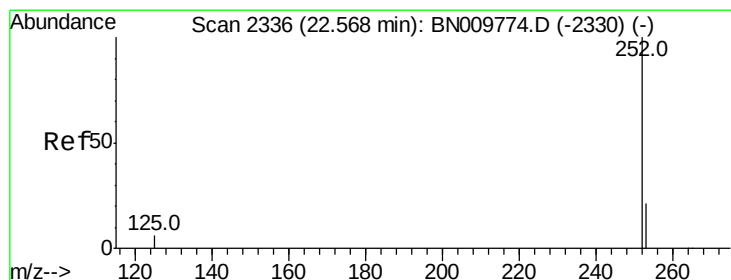
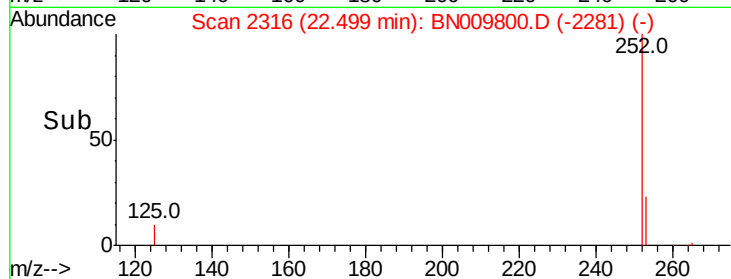
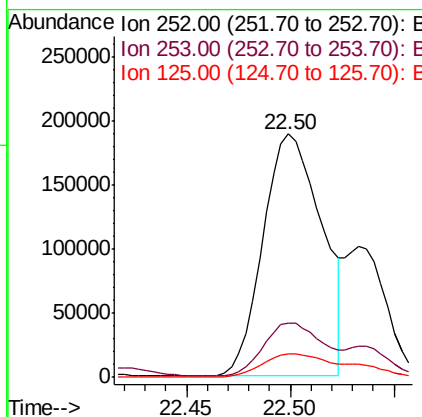
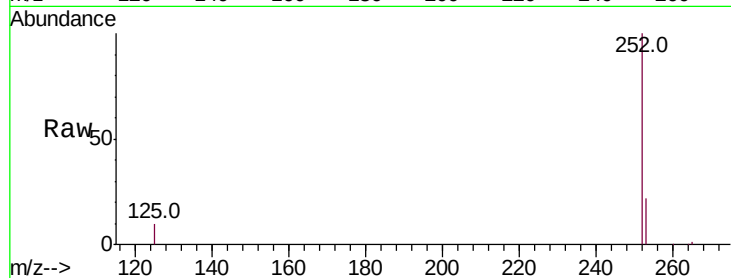




#35
Benzo(b)fluoranthene
Concen: 12.196 ng
RT: 22.50 min Scan# 2316
Delta R.T. -0.03 min
Lab File: BN009800.D
Acq: 21 Feb 2020 03:57

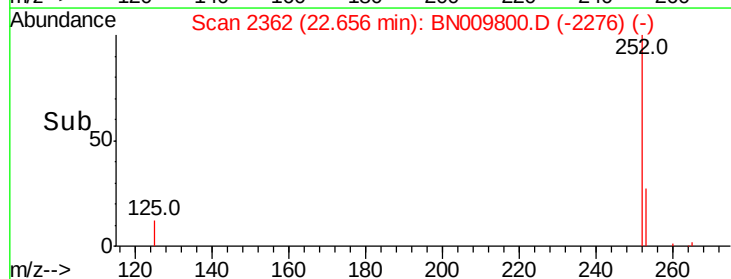
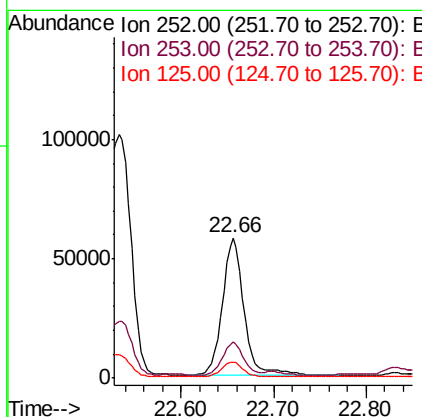
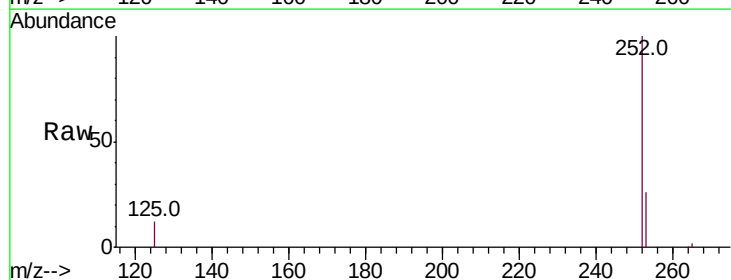
Instrument :
BNA_N
ClientSampleId :

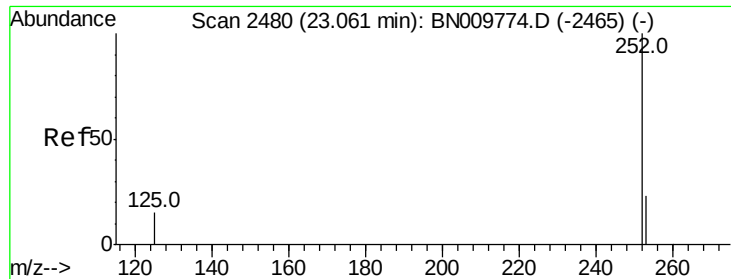
Tot Ion:252 Resp: 370676
Ion Ratio Lower Upper
252 100
253 22.4 23.0 34.6#
125 9.9 14.4 21.6#



#36
Benzo(k)fluoranthene
Concen: 2.855 ng
RT: 22.66 min Scan# 2362
Delta R.T. 0.09 min
Lab File: BN009800.D
Acq: 21 Feb 2020 03:57

Tgt Ion:252 Resp: 94468
Ion Ratio Lower Upper
252 100
253 25.6 22.2 33.2
125 11.6 10.5 15.7





#37

Benzo(a)pyrene

Concen: 10.933 ng

RT: 23.02 min Scan# 2469

Delta R.T. -0.04 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Instrument :

BNA_N

ClientSampleId :

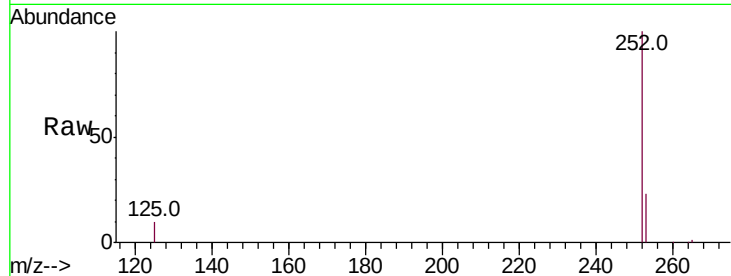
Tot Ion:252 Resp: 303208

Ion Ratio Lower Upper

252 100

253 22.8 25.3 37.9#

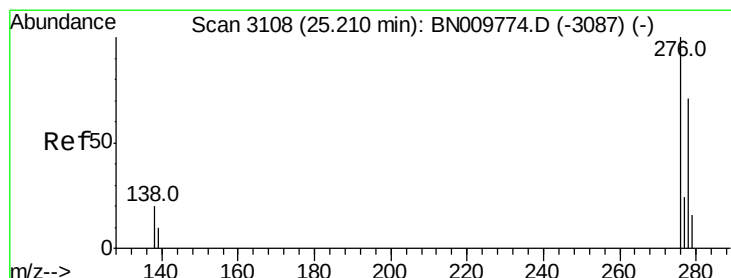
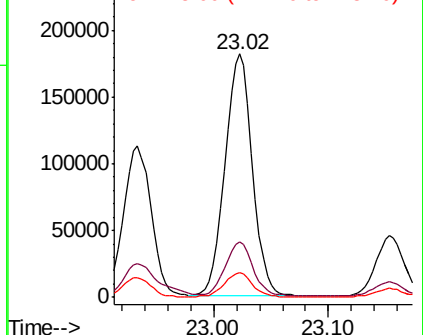
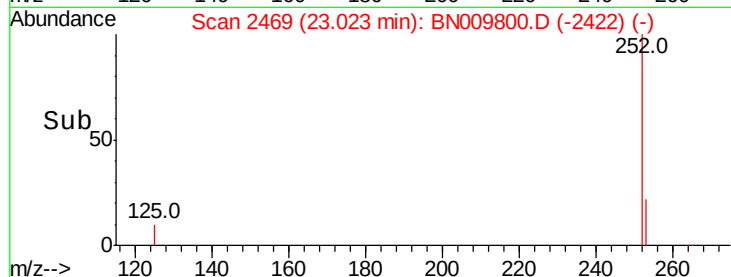
125 10.1 17.7 26.5#



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: 2.133 ng

RT: 25.15 min Scan# 3091

Delta R.T. -0.06 min

Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

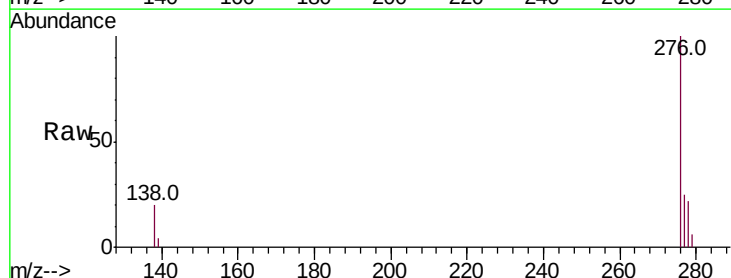
Tgt Ion:278 Resp: 58243

Ion Ratio Lower Upper

278 100

139 17.4 14.5 21.7

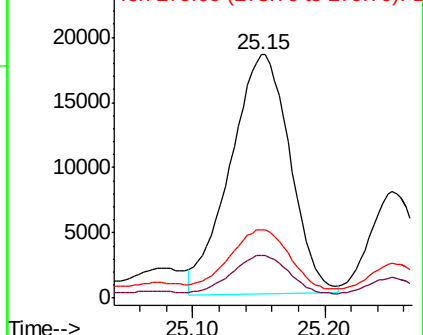
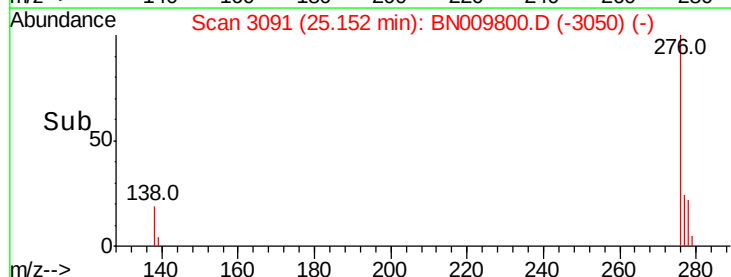
279 28.2 24.3 36.5

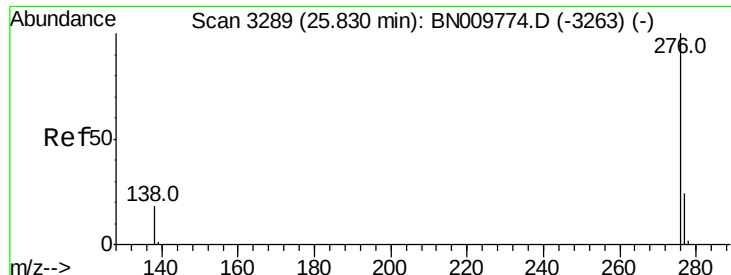


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 7.063 ng

RT: 25.77 min Scan# 3272

Delta R.T. -0.06 min

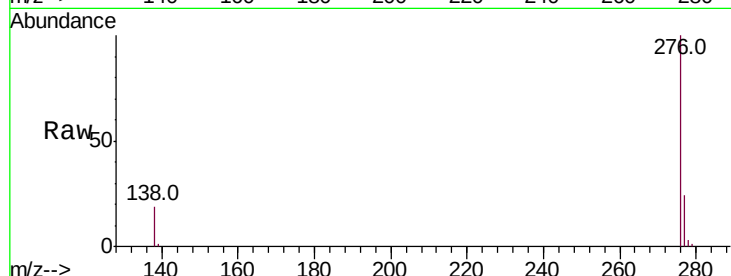
Lab File: BN009800.D

Acq: 21 Feb 2020 03:57

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 205463

Ion Ratio Lower Upper

276 100

277 23.9 21.4 32.0

138 19.4 16.6 24.8

