

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\
 Data File : BN009782.D
 Acq On : 19 Feb 2020 17:58
 Operator : CG/JU
 Sample : L1468-06MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 20 04:23:29 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	7.42	152	1132	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	3998	0.40	ng	-0.03
13) Acenaphthene-d10	14.05	164	2588	0.40	ng	-0.01
19) Phenanthrene-d10	16.80	188	5717	0.40	ng	-0.01
27) Chrysene-d12	21.02	240	6326	0.40	ng	-0.02
34) Perylene-d12	23.12	264	6004	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.08	112	956	0.38	ng	0.00
5) Phenol-d6	6.63	99	1176	0.38	ng	-0.02
8) Nitrobenzene-d5	8.57	82	1246	0.37	ng	-0.03
11) 2-Methylnaphthalene-d10	11.76	152	2539	0.33	ng	-0.03
14) 2,4,6-Tribromophenol	15.56	330	425	0.43	ng	-0.02
15) 2-Fluorobiphenyl	12.66	172	3668	0.38	ng	-0.02
25) Fluoranthene-d10	18.84	212	5277	0.27	ng	-0.02
29) Terphenyl-d14	19.46	244	5015	0.33	ng	-0.02

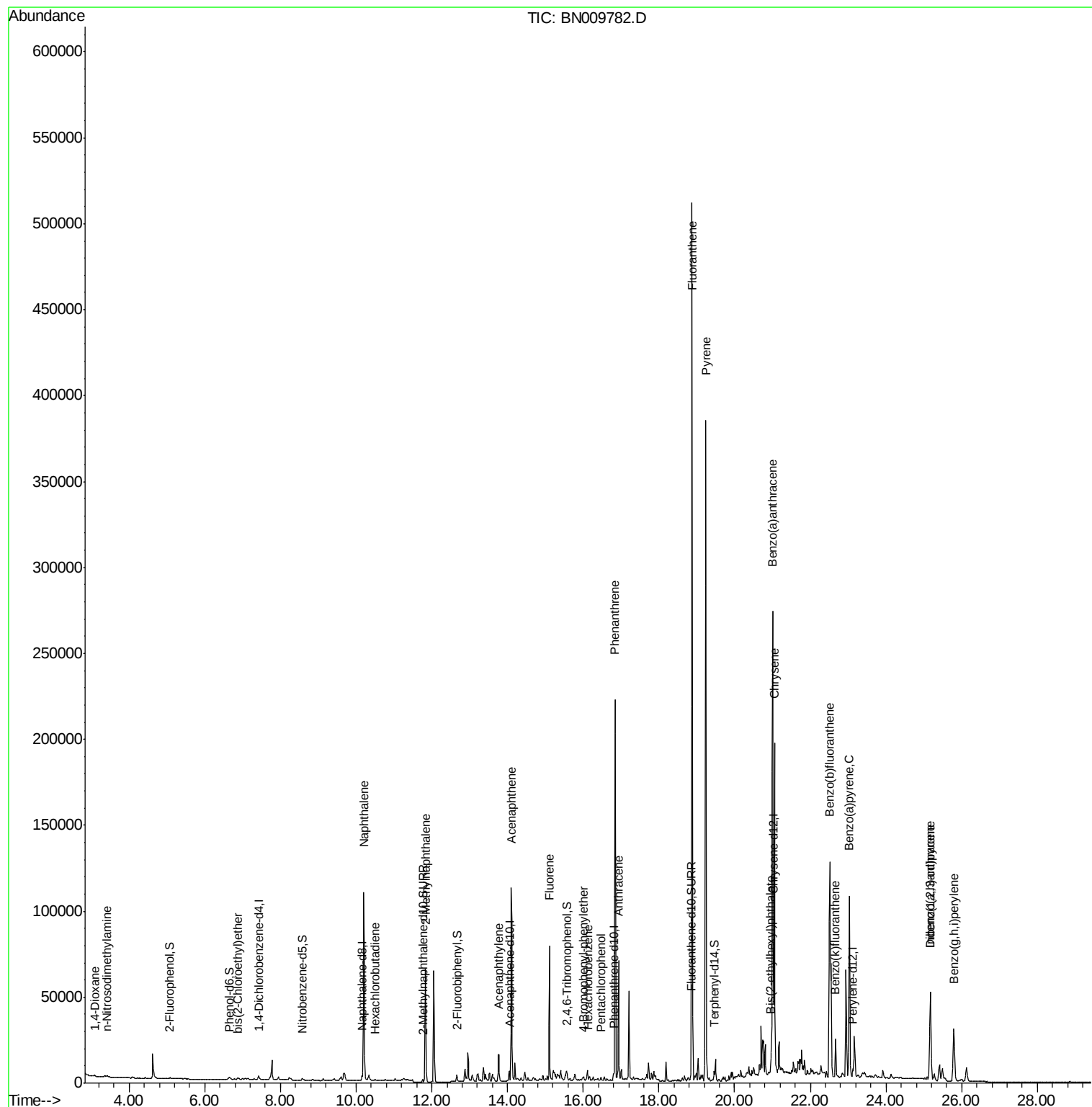
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.10	88	361	0.311	ng	# 79
3) n-Nitrosodimethylamine	3.41	42	583	0.306	ng	# 72
6) bis(2-Chloroethyl)ether	6.87	93	958	0.322	ng	91
9) Naphthalene	10.20	128	143507	13.161	ng	# 93
10) Hexachlorobutadiene	10.49	225	686	0.286	ng	# 96
12) 2-Methylnaphthalene	11.83	142	49934	6.679	ng	97
16) Acenaphthylene	13.76	152	17779	1.612	ng	98
17) Acenaphthene	14.10	154	58002	7.476	ng	99
18) Fluorene	15.10	166	44786	4.375	ng	99
20) 4-Bromophenyl-phenylether	16.01	248	939	0.180	ng	96
21) Hexachlorobenzene	16.12	284	1112	0.312	ng	98
22) Pentachlorophenol	16.48	266	563	0.651	ng	89
23) Phenanthrene	16.84	178	239537	14.078	ng	99
24) Anthracene	16.93	178	68109	4.736	ng	97
26) Fluoranthene	18.87	202	427439	20.981	ng	99
28) Pyrene	19.24	202	354029	14.738	ng	# 95
30) Benzo(a)anthracene	21.00	228	231547	11.030	ng	99
31) Chrysene	21.06	228	185044	7.619	ng	96
32) Bis(2-ethylhexyl)phthalate	20.96	149	4871	0.476	ng	97
33) Indeno(1,2,3-cd)pyrene	25.17	276	67019	2.650	ng	99
35) Benzo(b)fluoranthene	22.51	252	187009	8.520	ng	# 86
36) Benzo(k)fluoranthene	22.67	252	27785	1.163	ng	99
37) Benzo(a)pyrene	23.03	252	130032	6.493	ng	# 81
38) Dibenzo(a,h)anthracene	25.17	278	24439	1.239	ng	96
39) Benzo(g,h,i)perylene	25.79	276	59407	2.828	ng	97

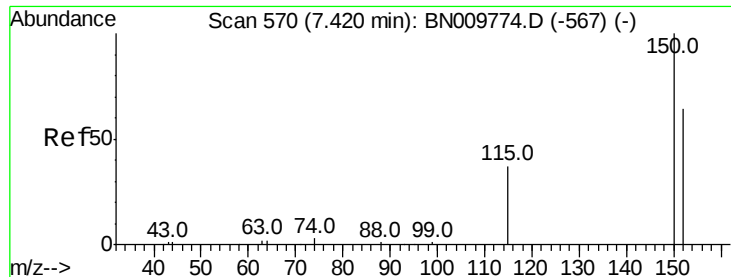
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.42 min Scan# 570

Delta R.T. -0.00 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Instrument :

BNA_N

ClientSampleId :

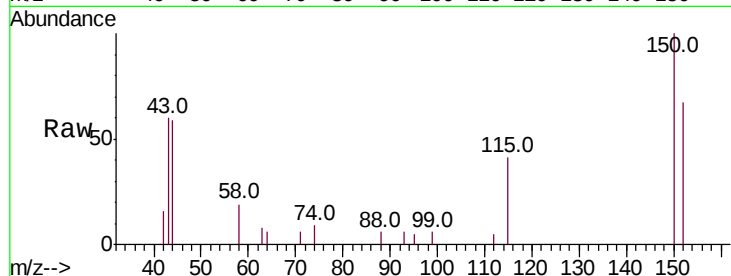
Tot Ion:152 Resp: 1132

Ion Ratio Lower Upper

152 100

150 150.1 120.6 181.0

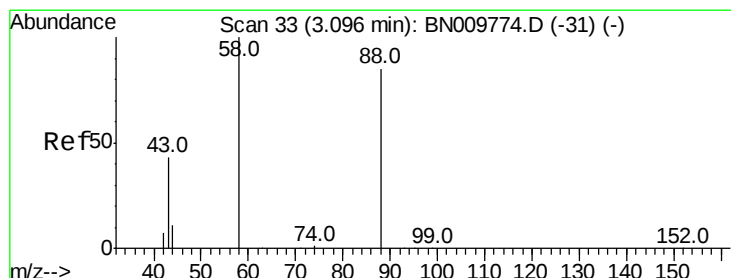
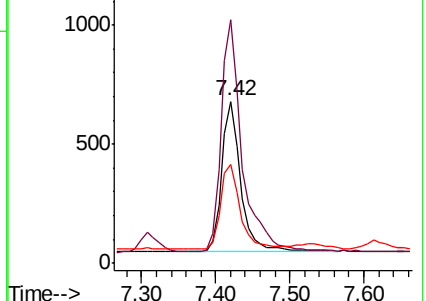
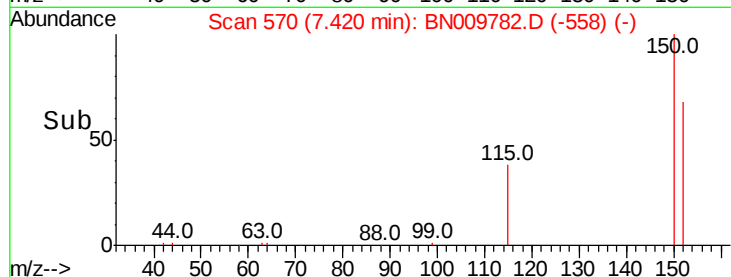
115 61.2 51.2 76.8



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



#2

1,4-Dioxane

Concen: 0.311 ng

RT: 3.10 min Scan# 33

Delta R.T. -0.00 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

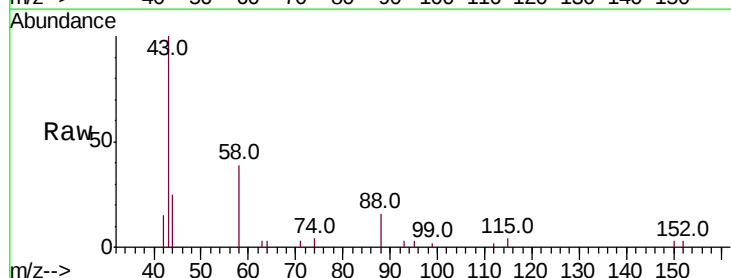
Tgt Ion: 88 Resp: 361

Ion Ratio Lower Upper

88 100

58 114.4 97.8 146.8

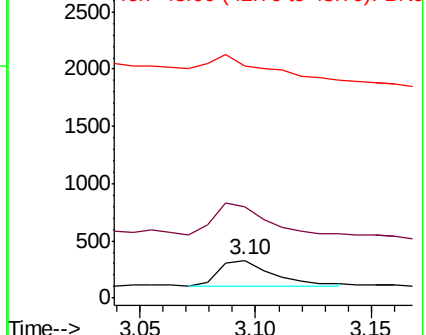
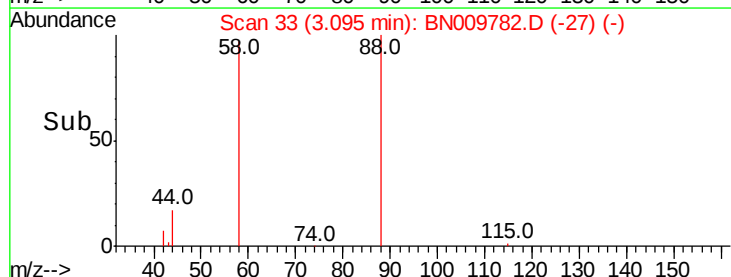
43 95.0 45.1 67.7#

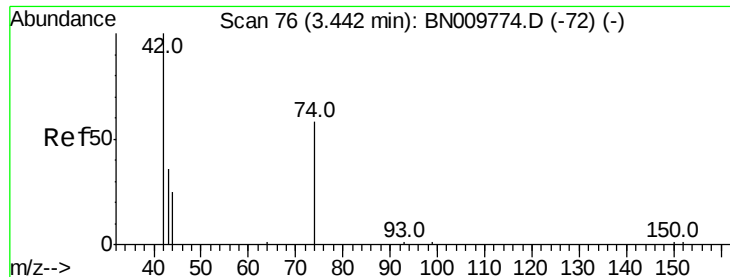


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.306 ng

RT: 3.41 min Scan# 72

Delta R.T. -0.03 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Instrument :

BNA_N

ClientSampleId :

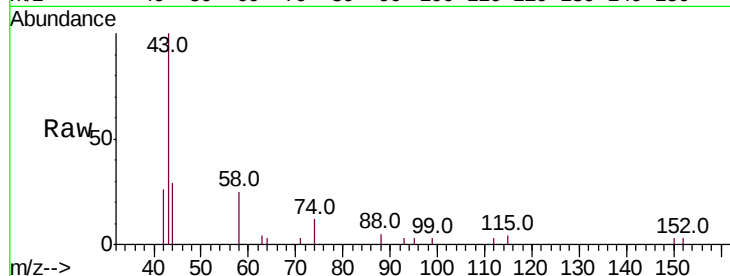
Tot Ion: 42 Resp: 583

Ion Ratio Lower Upper

42 100

74 87.0 51.2 76.8#

44 0.0 2.6 4.0#

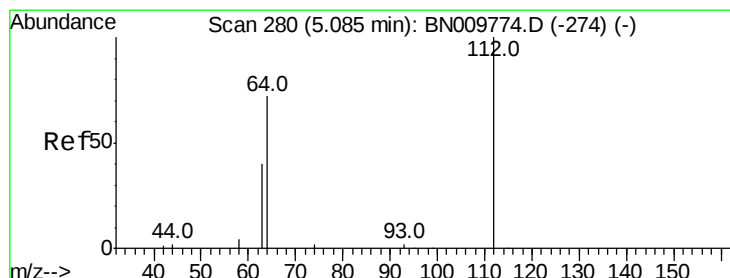
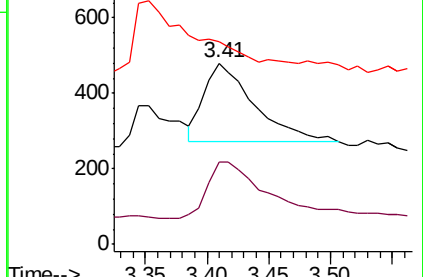
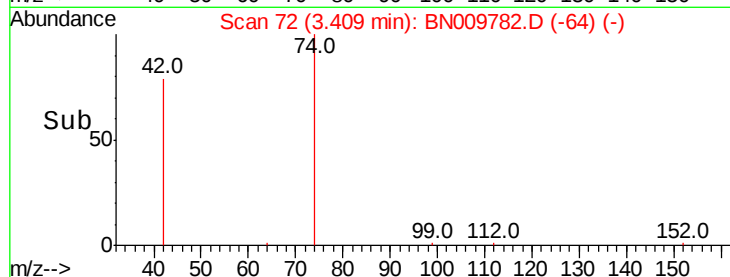


Abundance Ion 42.00 (41.70 to 42.70): BN009774.D (-72) (-)

Ion 74.00 (73.70 to 74.70): BN009774.D (-72) (-)

Ion 44.00 (43.70 to 44.70): BN009774.D (-72) (-)

Time-->



#4

2-Fluorophenol

Concen: 0.380 ng

RT: 5.08 min Scan# 280

Delta R.T. -0.00 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

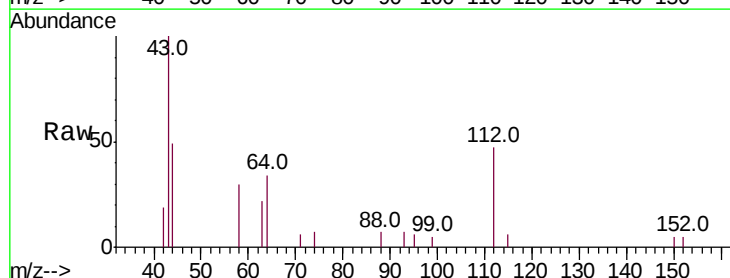
Tgt Ion: 112 Resp: 956

Ion Ratio Lower Upper

112 100

64 83.4 65.8 98.6

63 37.3 38.7 58.1#

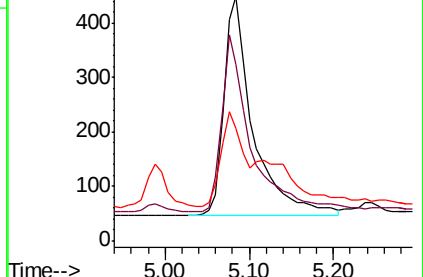
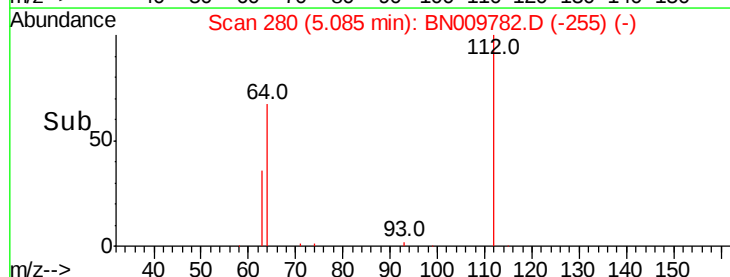


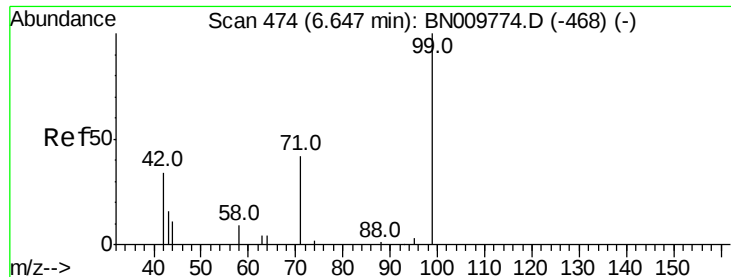
Abundance Ion 112.00 (111.70 to 112.70): BN009774.D (-274) (-)

Ion 64.00 (63.70 to 64.70): BN009774.D (-274) (-)

Ion 63.00 (62.70 to 63.70): BN009774.D (-274) (-)

Time-->





#5

Phenol-d6

Concen: 0.384 ng

RT: 6.63 min Scan# 472

Delta R.T. -0.02 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Instrument :

BNA_N

ClientSampled :

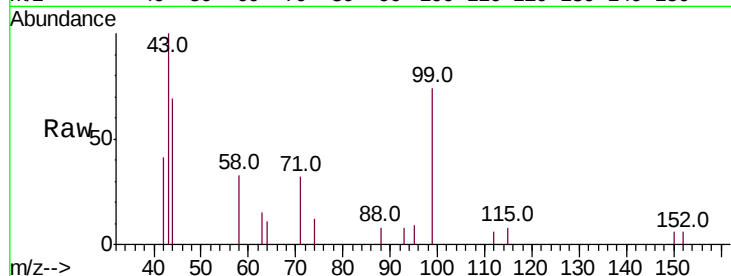
Tot Ion: 99 Resp: 1176

Ion Ratio Lower Upper

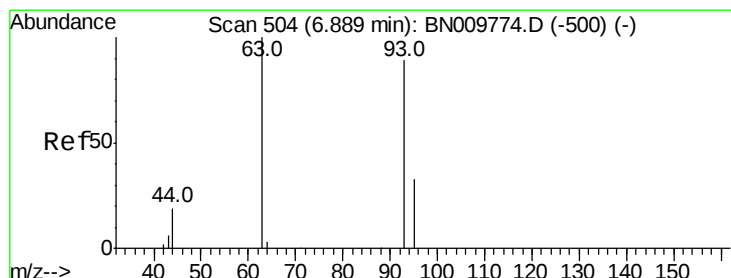
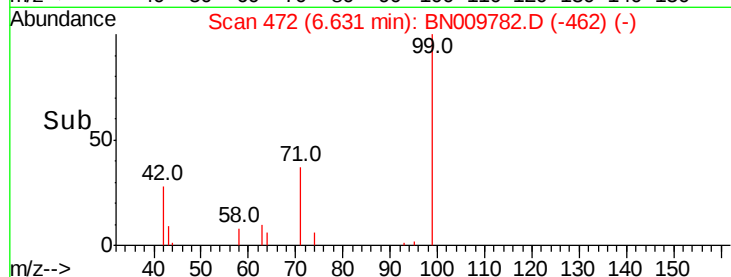
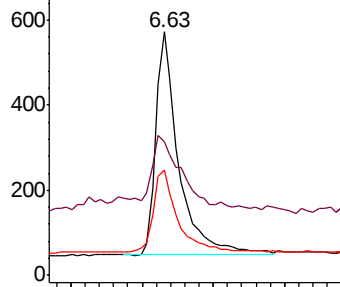
99 100

42 33.9 30.8 46.2

71 38.5 34.9 52.3



Abundance Ion 99.00 (98.70 to 99.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.322 ng

RT: 6.87 min Scan# 502

Delta R.T. -0.02 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

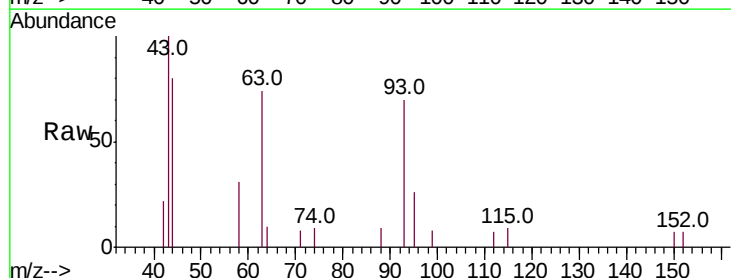
Tgt Ion: 93 Resp: 958

Ion Ratio Lower Upper

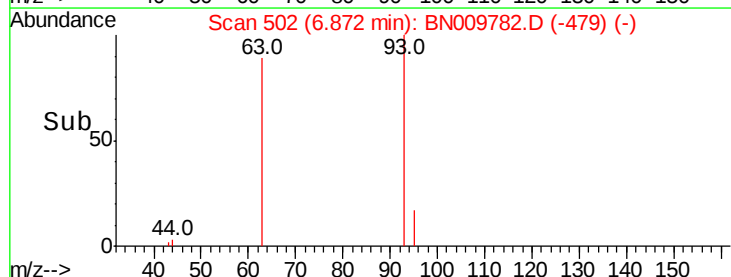
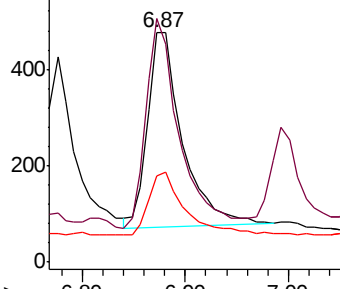
93 100

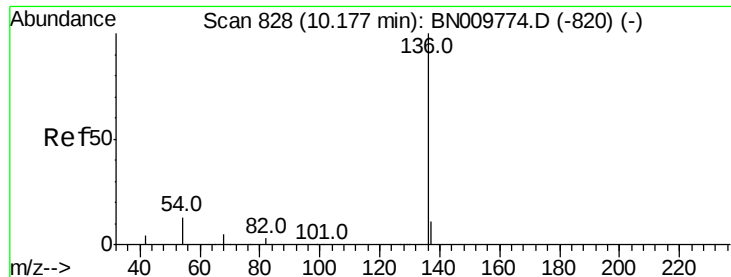
63 103.0 74.0 111.0

95 34.7 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BNC
Ion 63.00 (62.70 to 63.70): BNC
Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.03 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 3998

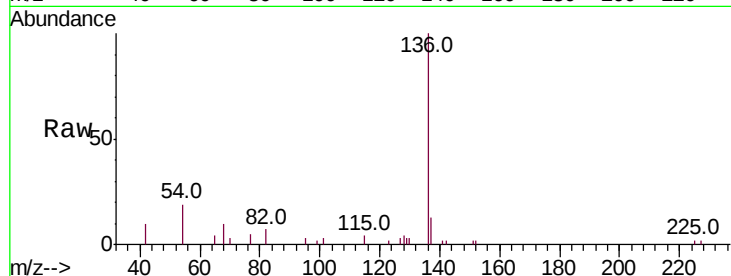
Ion Ratio Lower Upper

136 100

137 12.9 11.3 16.9

54 19.5 13.4 20.2

68 9.6 7.0 10.4

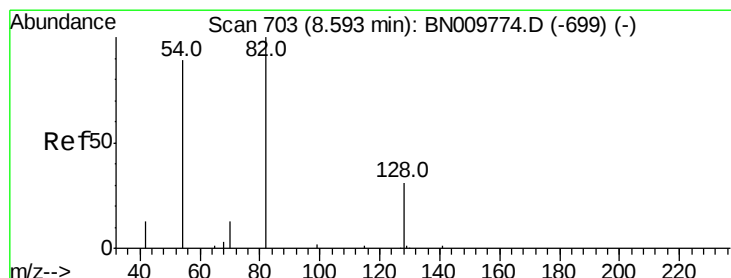
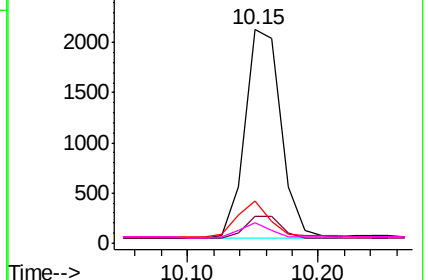
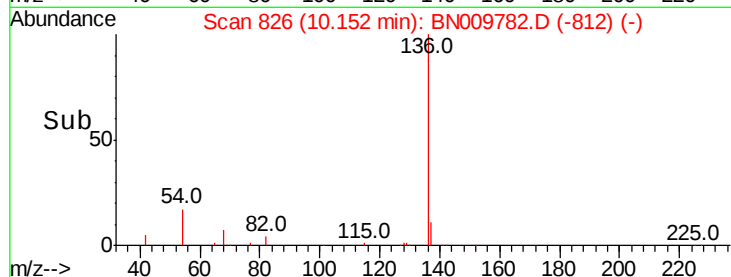


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.375 ng

RT: 8.57 min Scan# 701

Delta R.T. -0.03 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

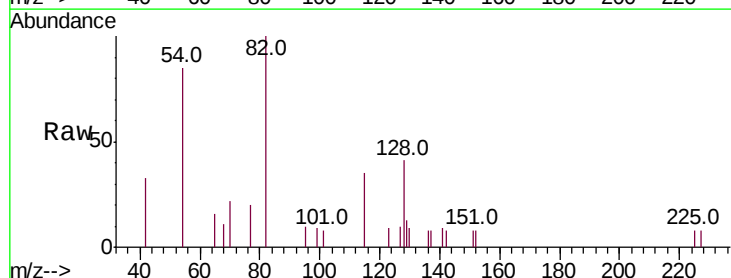
Tgt Ion: 82 Resp: 1246

Ion Ratio Lower Upper

82 100

128 41.0 32.5 48.7

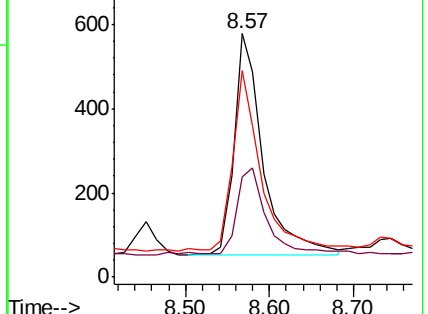
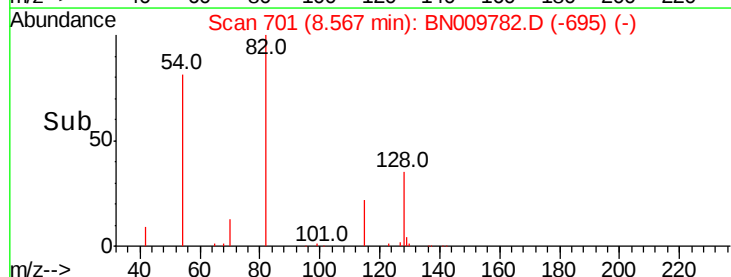
54 84.6 73.5 110.3

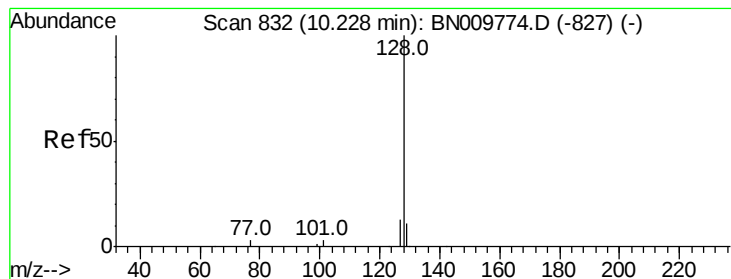


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 13.161 ng

RT: 10.20 min Scan# 830

Delta R.T. -0.03 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Instrument :

BNA_N

ClientSampleId :

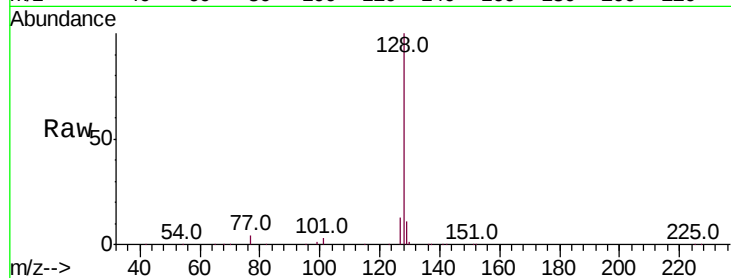
Tot Ion:128 Resp: 143507

Ion Ratio Lower Upper

128 100

129 10.9 11.1 16.7#

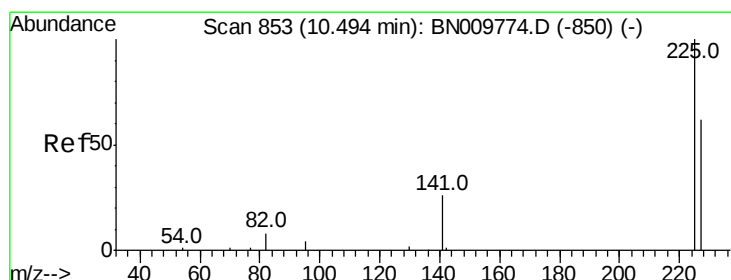
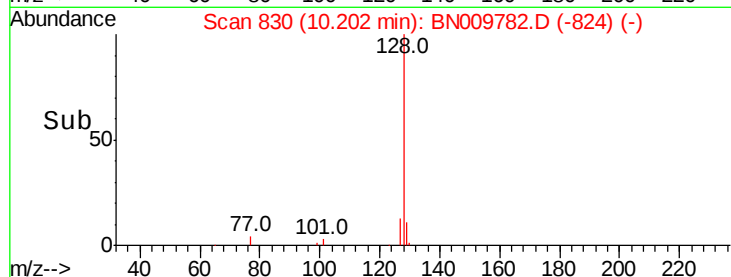
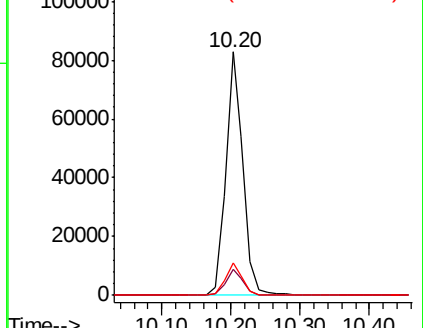
127 13.1 12.6 19.0



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: 0.286 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.00 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

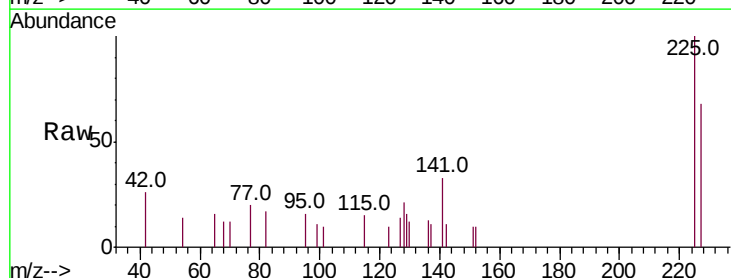
Tgt Ion:225 Resp: 686

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

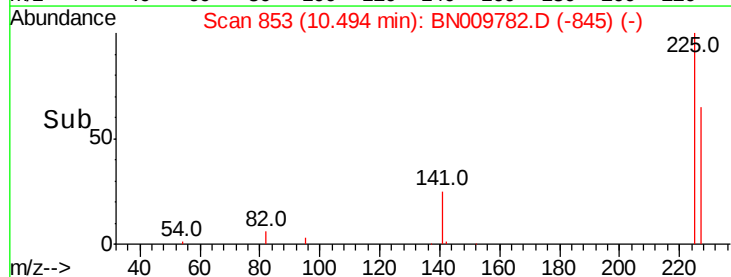
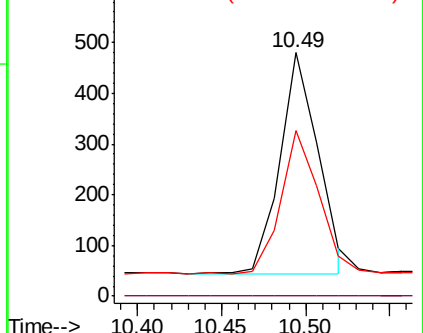
227 64.0 53.4 80.2

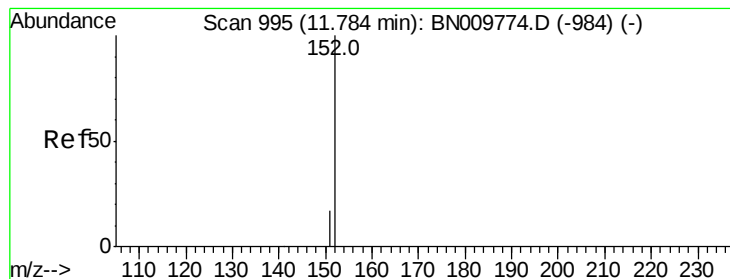


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.328 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.03 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Instrument :

BNA_N

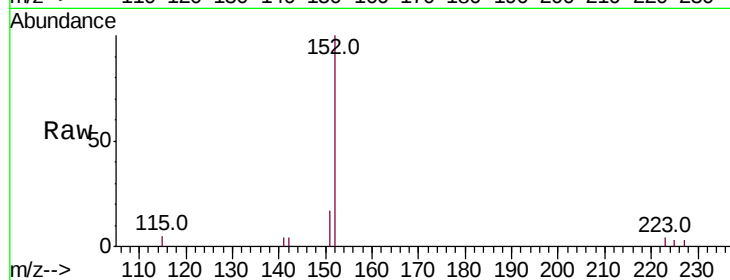
ClientSampleId :

Tot Ion:152 Resp: 2539

Ion Ratio Lower Upper

152 100

151 15.8 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.76

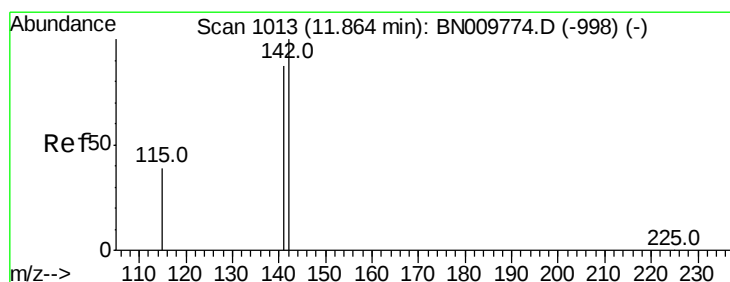
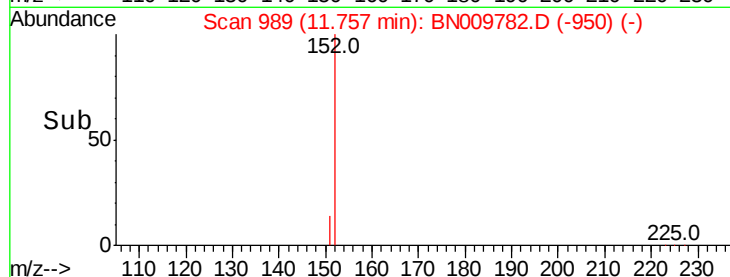
1500

1000

500

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 6.679 ng

RT: 11.83 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

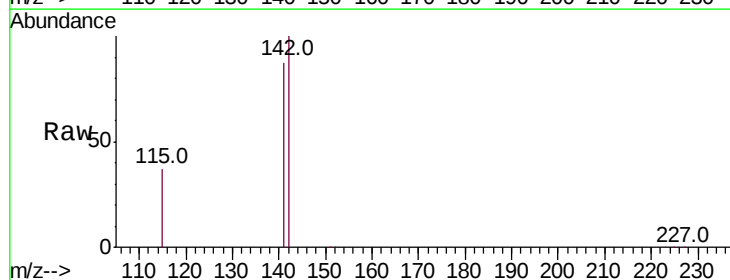
Tgt Ion:142 Resp: 49934

Ion Ratio Lower Upper

142 100

141 87.4 69.8 104.6

115 37.1 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

40000

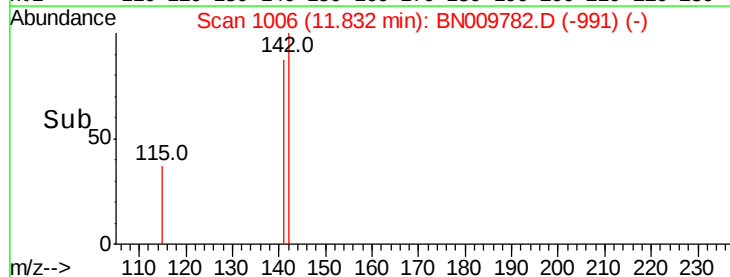
30000

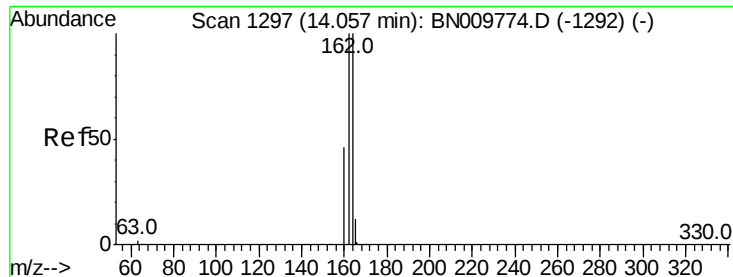
20000

10000

0

Time--> 11.70 11.80 11.90 12.00





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Instrument :

BNA_N

ClientSampled :

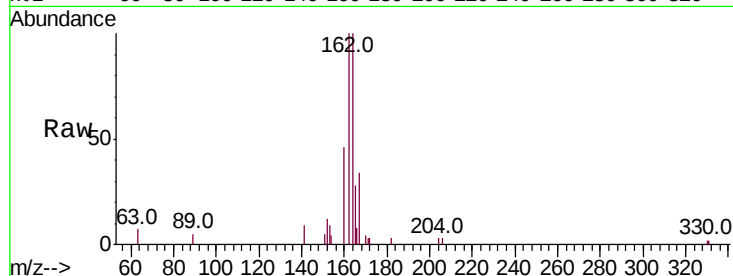
Tot Ion:164 Resp: 2588

Ion Ratio Lower Upper

164 100

162 99.9 79.9 119.9

160 46.1 38.2 57.2

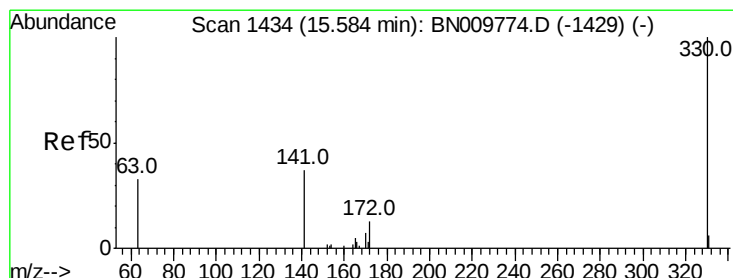
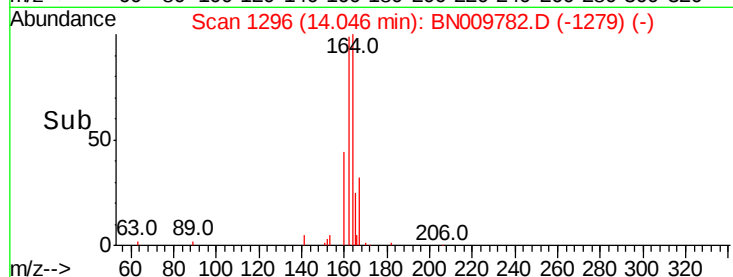
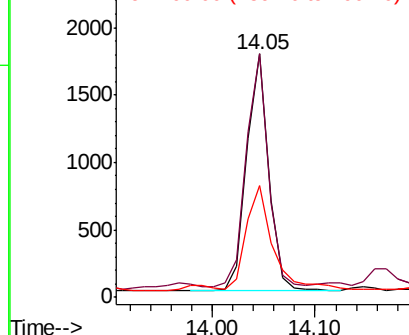


Abundance

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: 0.426 ng

RT: 15.56 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

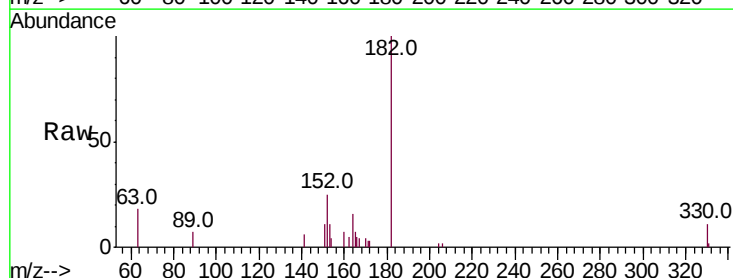
Tgt Ion:330 Resp: 425

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 55.3 36.8 55.2#

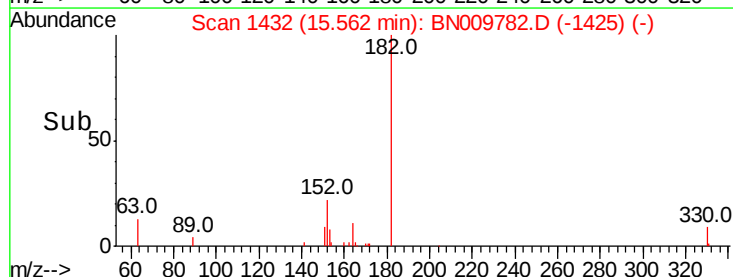
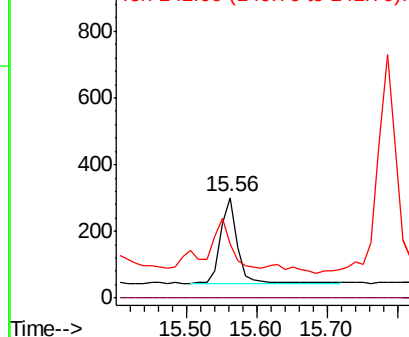


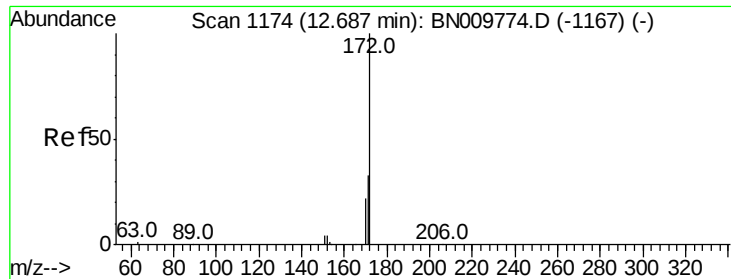
Abundance

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

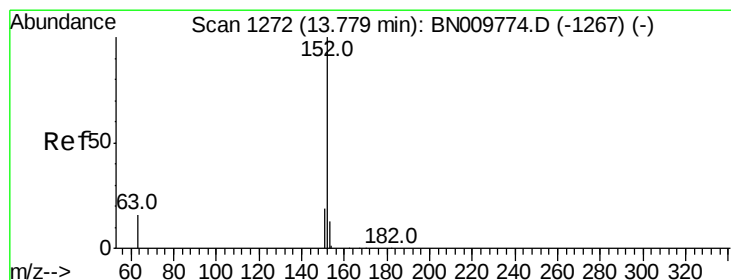
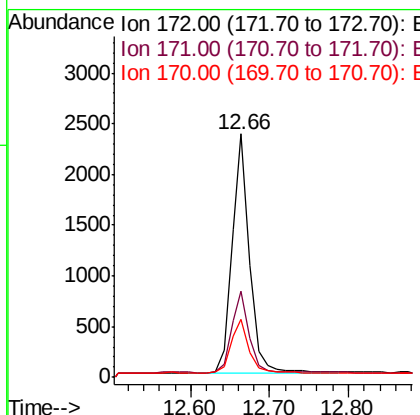
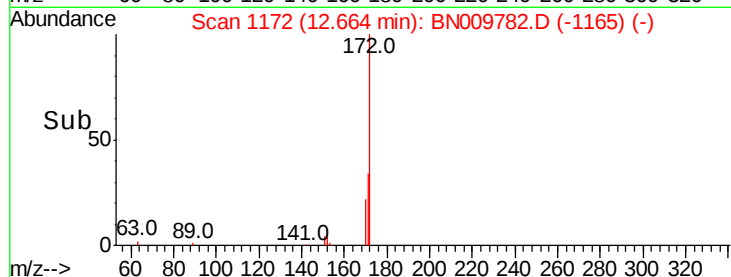
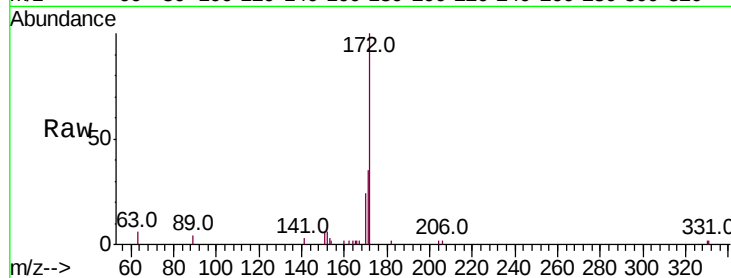




#15
2-Fluorobiphenyl
Concen: 0.375 ng
RT: 12.66 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

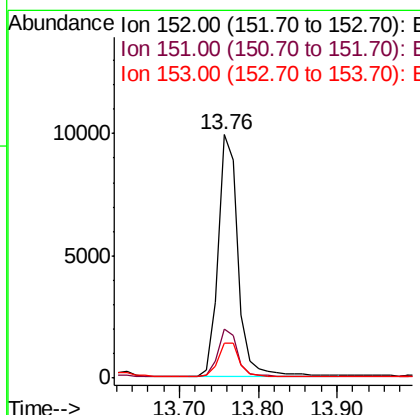
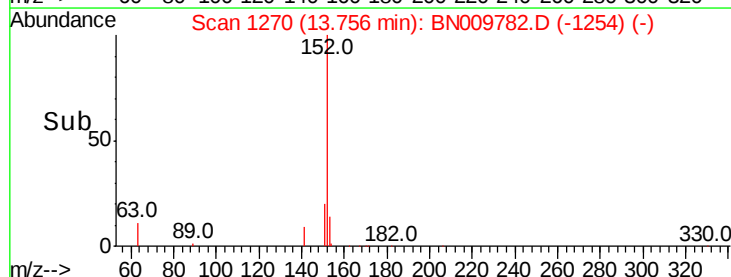
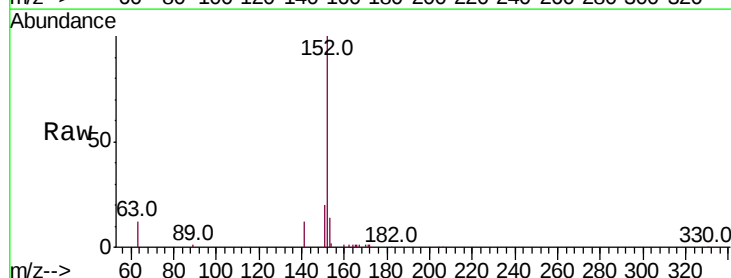
Instrument :
BNA_N
ClientSampleId :

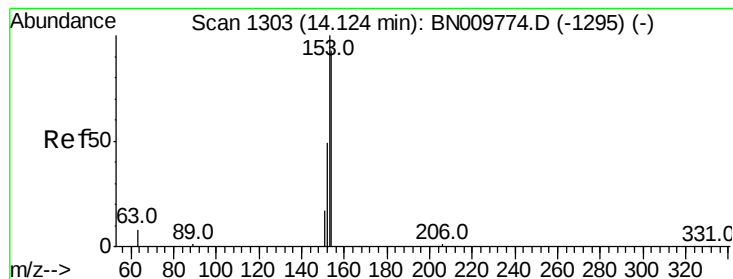
Tot Ion:172 Resp: 3668
Ion Ratio Lower Upper
172 100
171 35.2 28.7 43.1
170 23.8 20.1 30.1



#16
Acenaphthylene
Concen: 1.612 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:152 Resp: 17779
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 15.1 10.2 15.4





#17

Acenaphthene

Concen: 7.476 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Instrument :

BNA_N

ClientSampled :

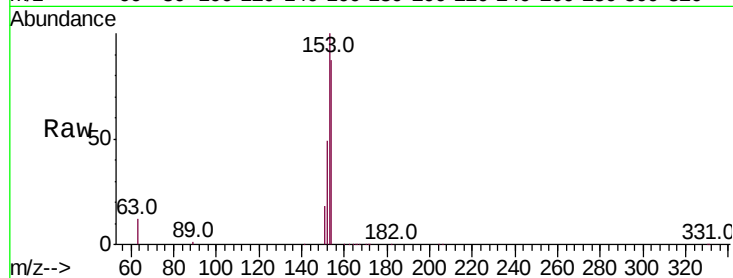
Tot Ion:154 Resp: 58002

Ion Ratio Lower Upper

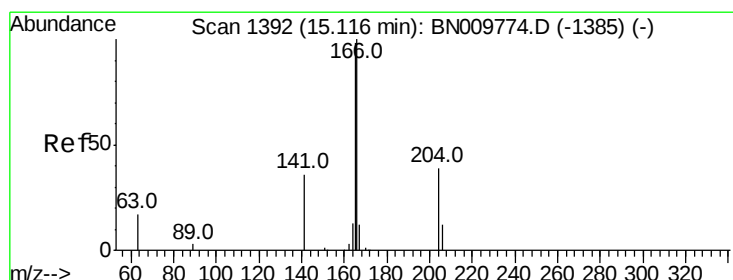
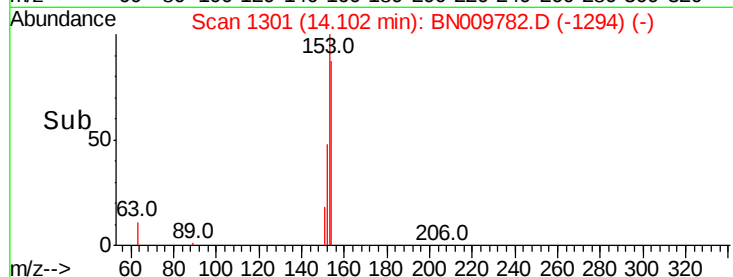
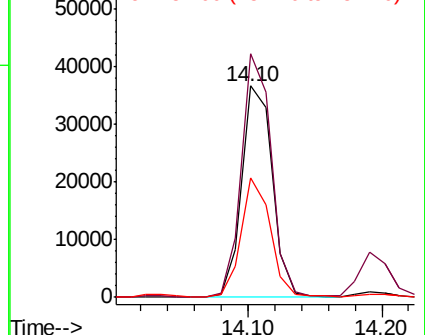
154 100

153 112.2 88.9 133.3

152 53.8 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: 4.375 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

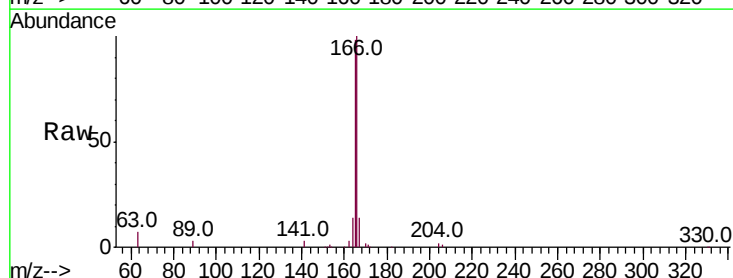
Tgt Ion:166 Resp: 44786

Ion Ratio Lower Upper

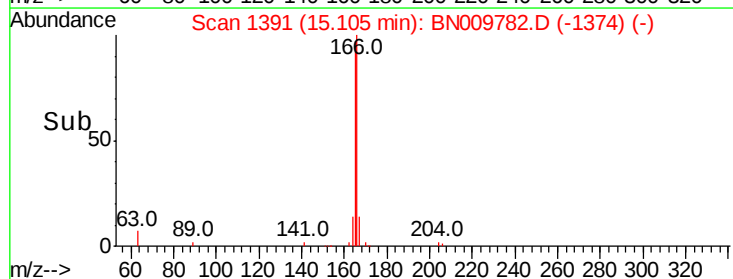
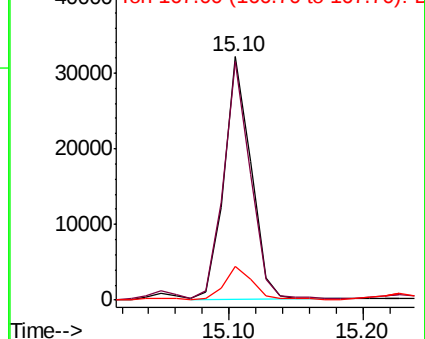
166 100

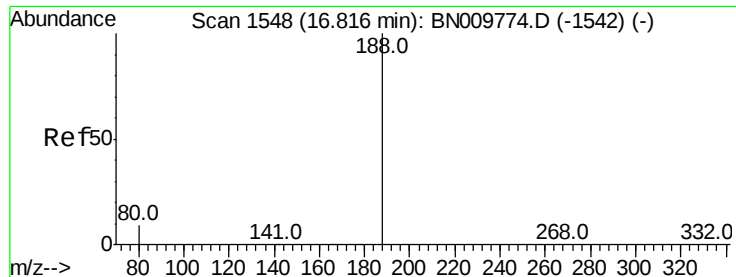
165 97.0 77.2 115.8

167 14.3 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: 16.80 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Instrument :

BNA_N

ClientSampleId :

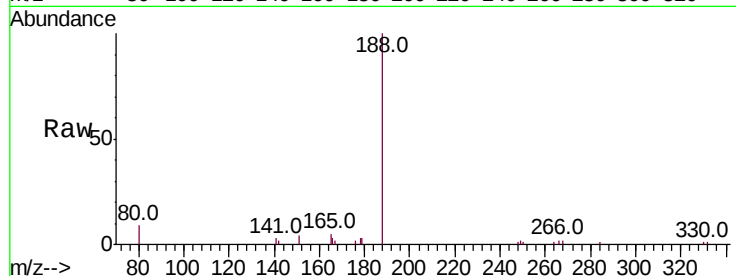
Tot Ion:188 Resp: 5717

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

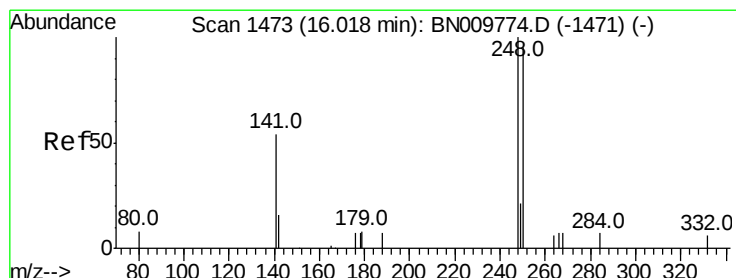
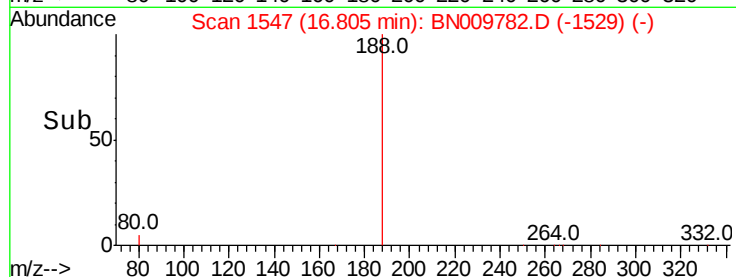
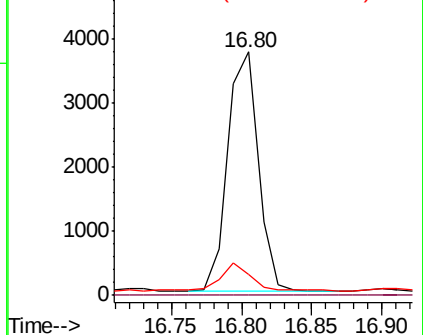
80 8.6 8.3 12.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 0.180 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

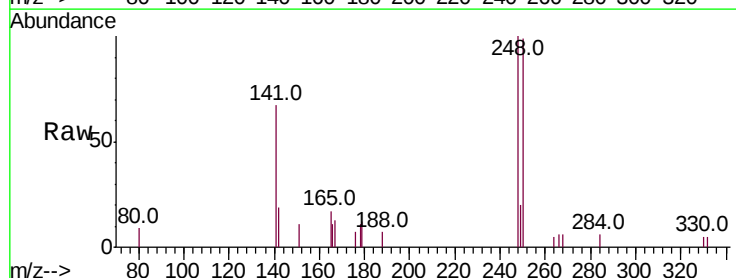
Tgt Ion:248 Resp: 939

Ion Ratio Lower Upper

248 100

250 98.6 76.2 114.4

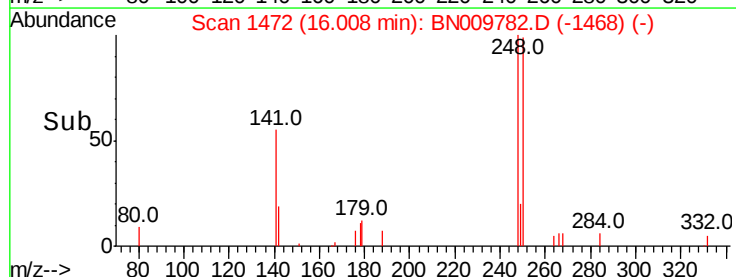
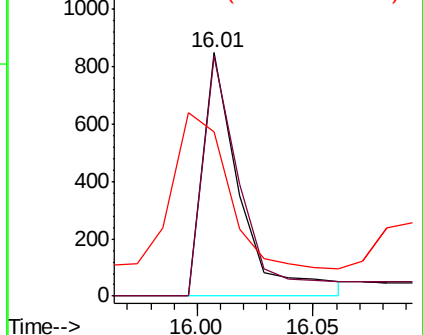
141 67.5 57.8 86.6

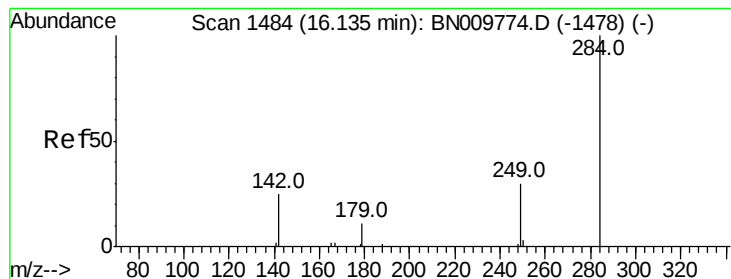


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.312 ng

RT: 16.12 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Instrument :

BNA_N

ClientSampleId :

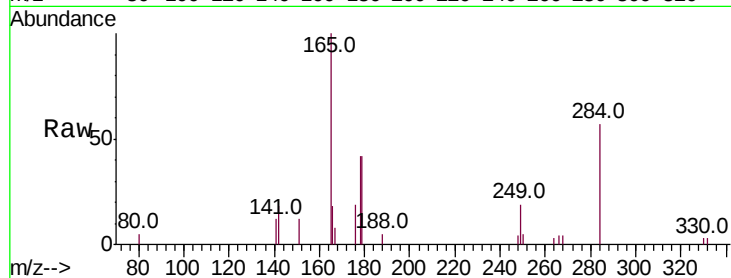
Tot Ion:284 Resp: 1112

Ion Ratio Lower Upper

284 100

142 39.9 33.3 49.9

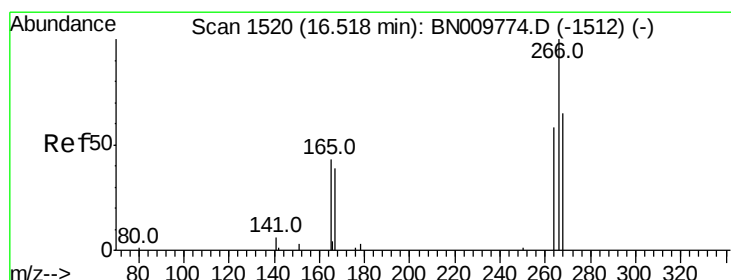
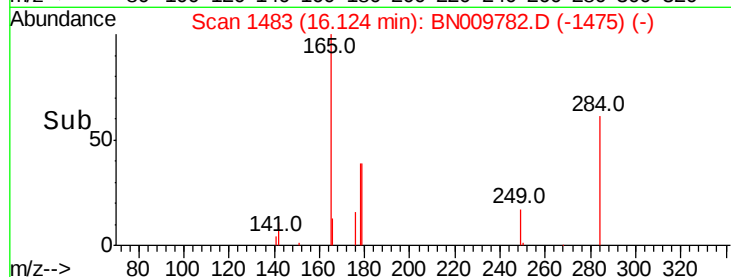
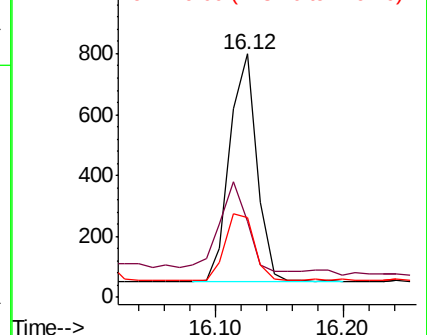
249 31.1 25.7 38.5



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: 0.651 ng

RT: 16.48 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

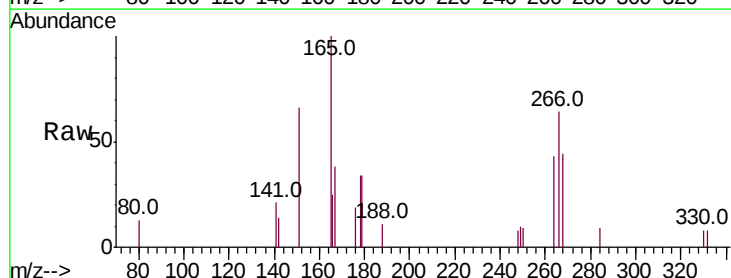
Tgt Ion:266 Resp: 563

Ion Ratio Lower Upper

266 100

264 66.8 58.1 87.1

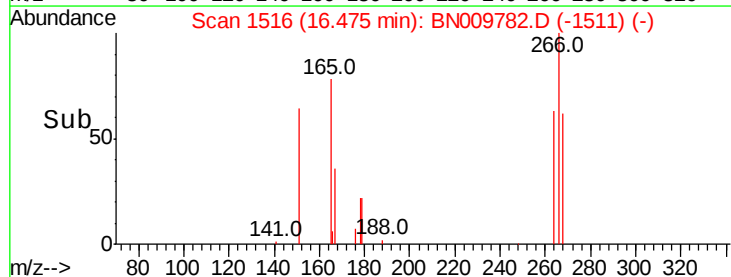
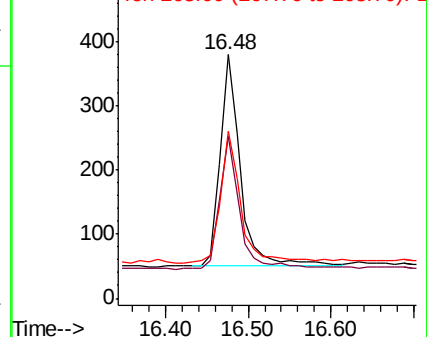
268 68.6 65.7 98.5

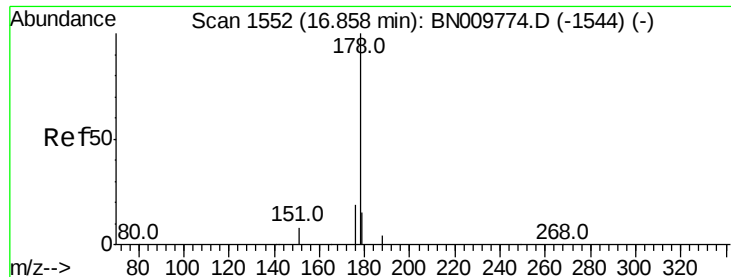


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 14.078 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.02 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

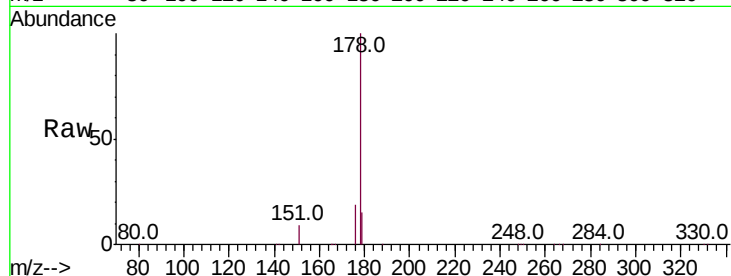
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 239537

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	15.4	12.4	18.6

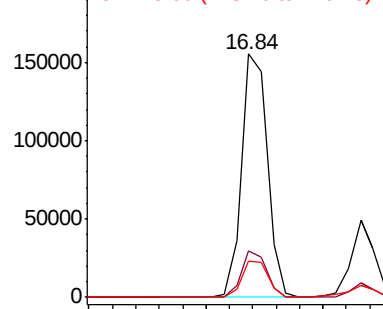


Abundance

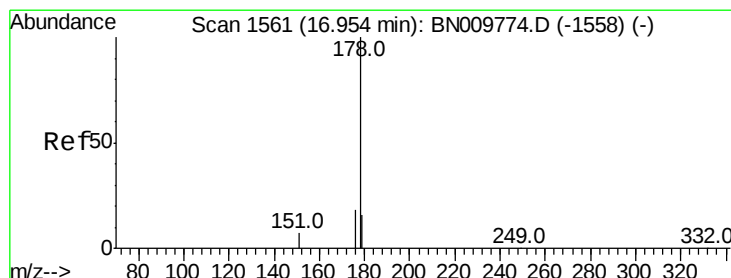
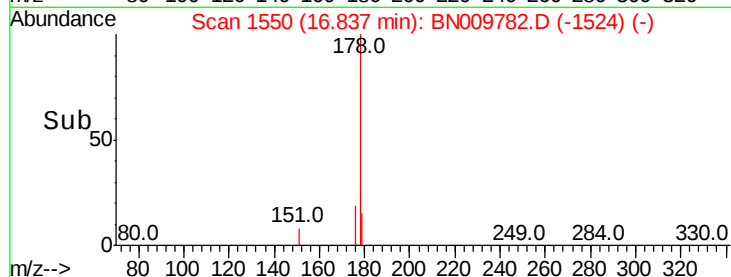
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 16.70 16.80 16.90



#24

Anthracene

Concen: 4.736 ng

RT: 16.93 min Scan# 1559

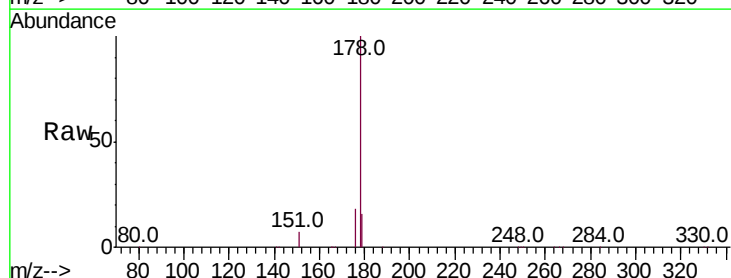
Delta R.T. -0.02 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Tgt Ion:178 Resp: 68109

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.3	21.5
179	18.3	12.4	18.6

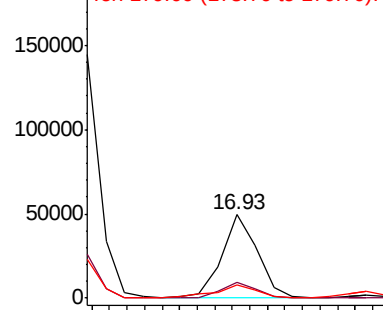


Abundance

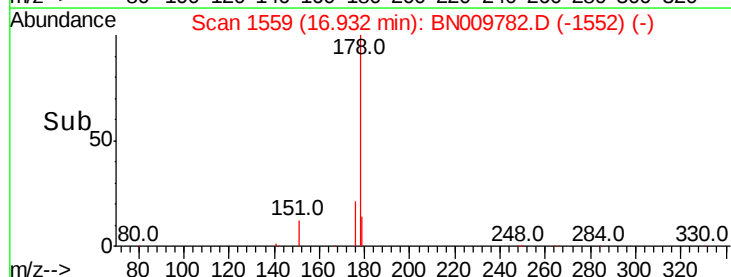
Ion 178.00 (177.70 to 178.70): E

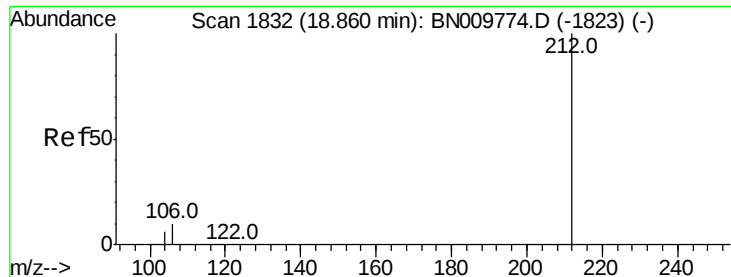
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 16.85 16.90 16.95 17.00





#25

Fluoranthene-d10

Concen: 0.267 ng

RT: 18.84 min Scan# 1829

Delta R.T. -0.02 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

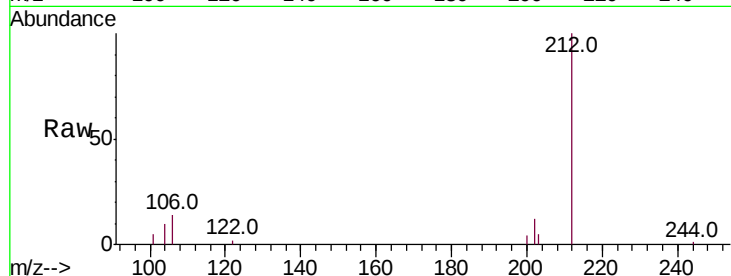
Instrument :

BNA_N

ClientSampled :

Tot Ion:212 Resp: 5277

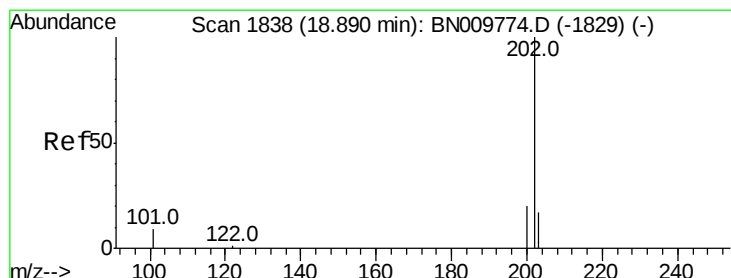
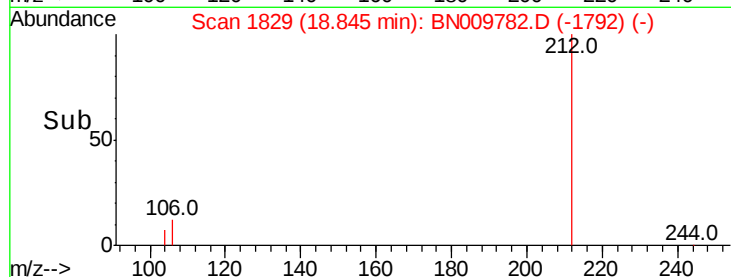
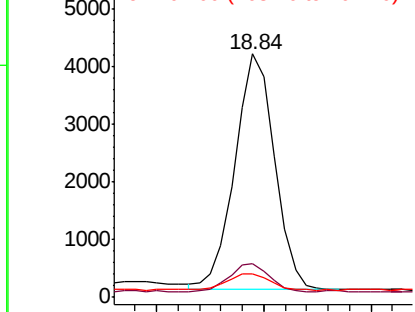
Ion	Ratio	Lower	Upper
212	100		
106	12.0	8.4	12.6
104	8.2	4.8	7.2



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: 20.981 ng

RT: 18.87 min Scan# 1835

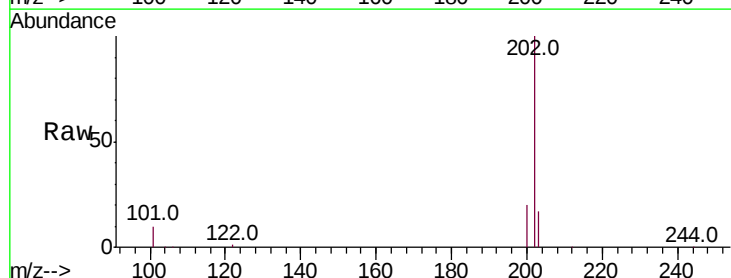
Delta R.T. -0.02 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Tgt Ion:202 Resp: 427439

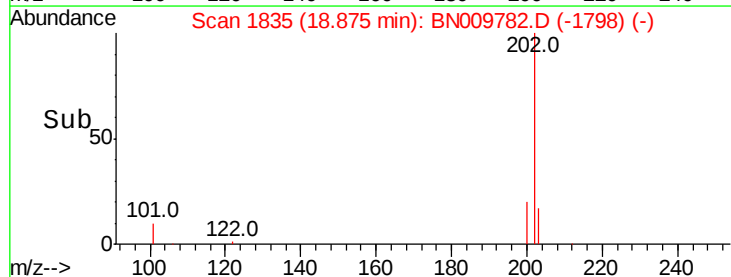
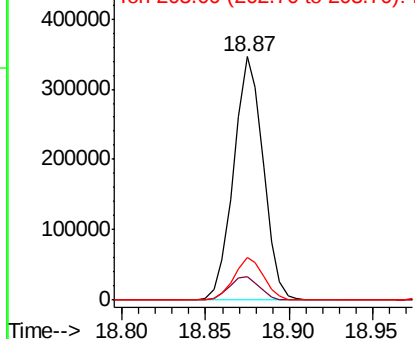
Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.1	10.7
203	17.4	13.8	20.6

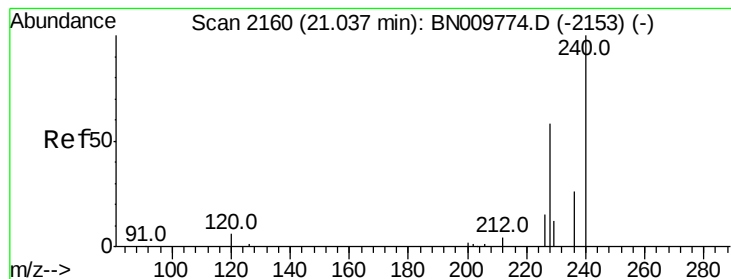


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.02 min Scan# 2158

Delta R.T. -0.02 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Instrument :

BNA_N

ClientSampleId :

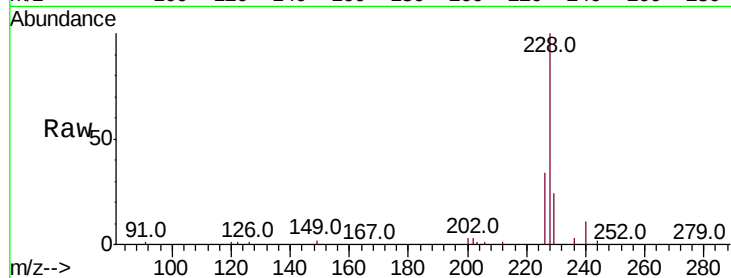
Tot Ion:240 Resp: 6326

Ion Ratio Lower Upper

240 100

120 13.1 7.9 11.9#

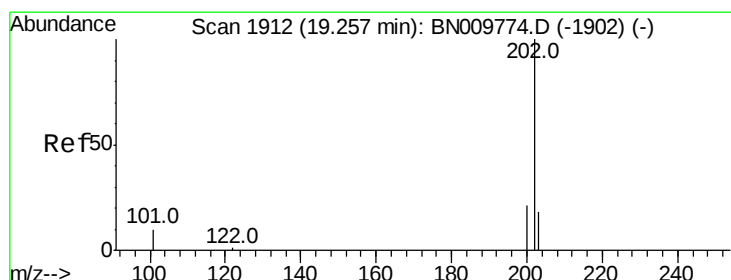
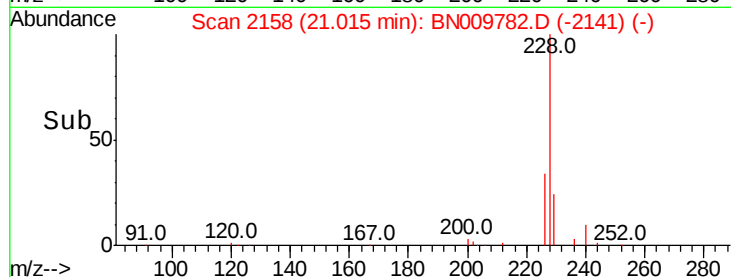
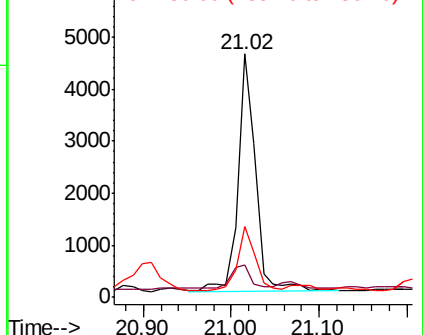
236 28.8 22.0 33.0



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: 14.738 ng

RT: 19.24 min Scan# 1908

Delta R.T. -0.02 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

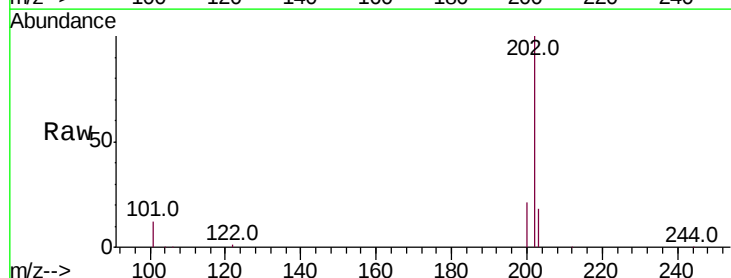
Tgt Ion:202 Resp: 354029

Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

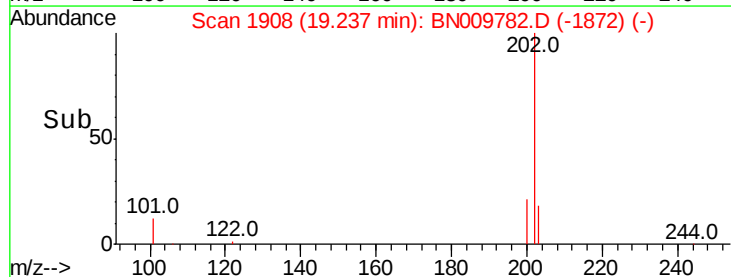
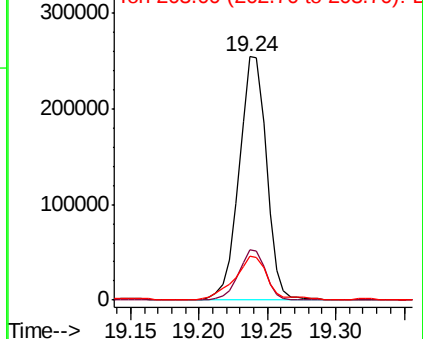
203 21.9 13.9 20.9#

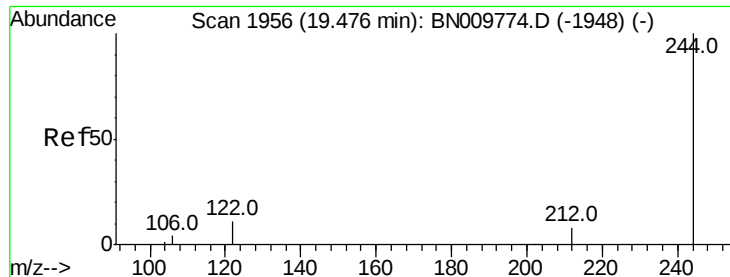


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.332 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.02 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Instrument :

BNA_N

ClientSampled :

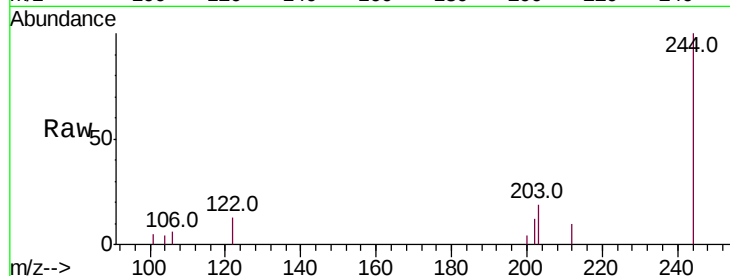
Tot Ion:244 Resp: 5015

Ion Ratio Lower Upper

244 100

212 9.7 8.0 12.0

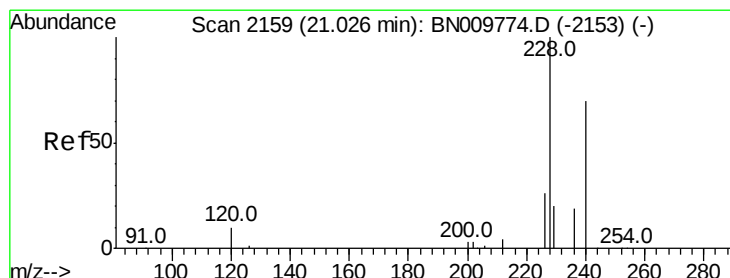
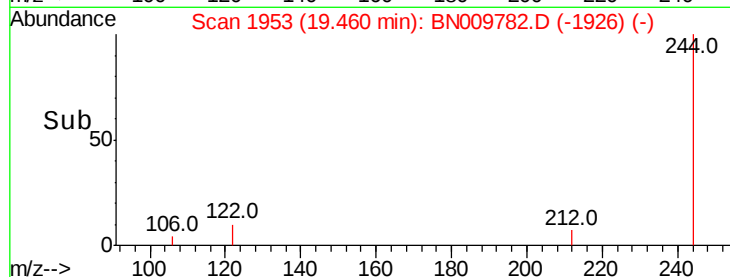
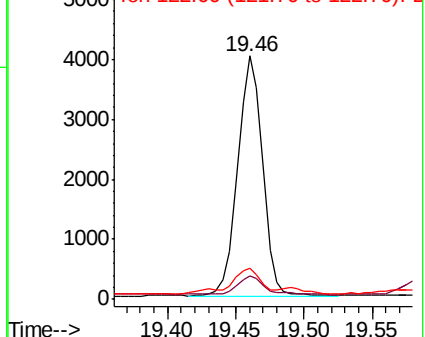
122 12.8 10.0 15.0



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: 11.030 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.02 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

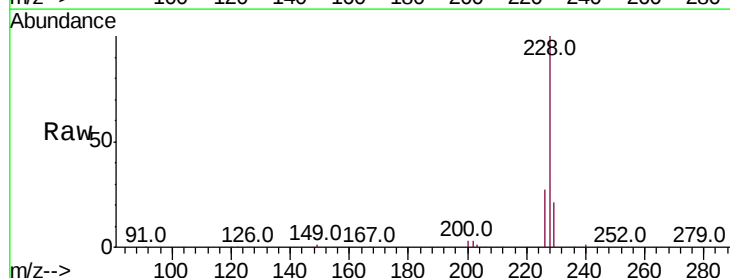
Tgt Ion:228 Resp: 231547

Ion Ratio Lower Upper

228 100

226 26.9 21.8 32.8

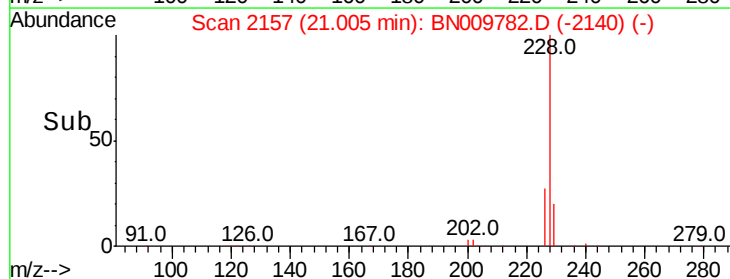
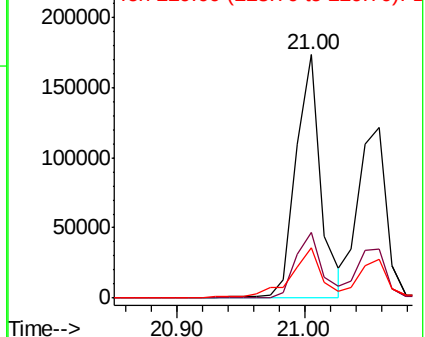
229 20.5 17.1 25.7

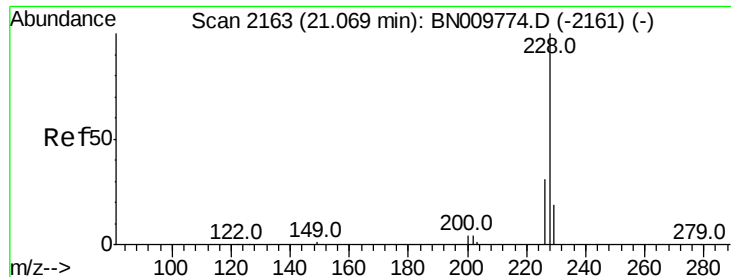


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 7.619 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Instrument :

BNA_N

ClientSampled :

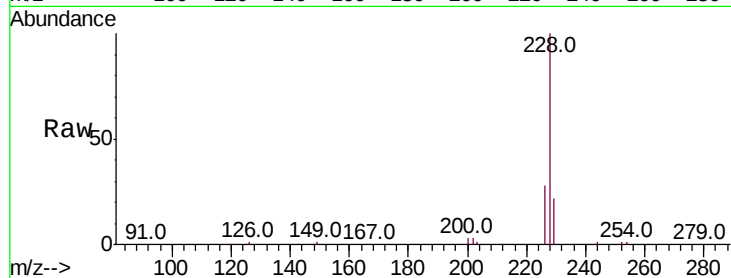
Tot Ion:228 Resp: 185044

Ion Ratio Lower Upper

228 100

226 28.4 24.8 37.2

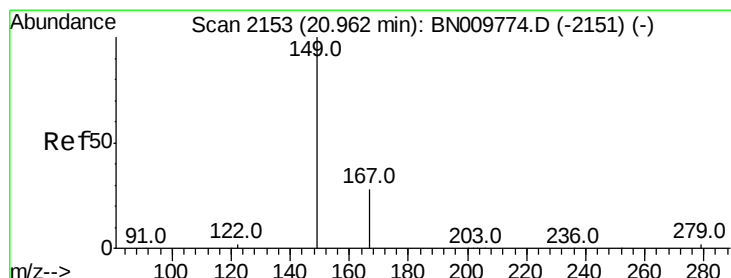
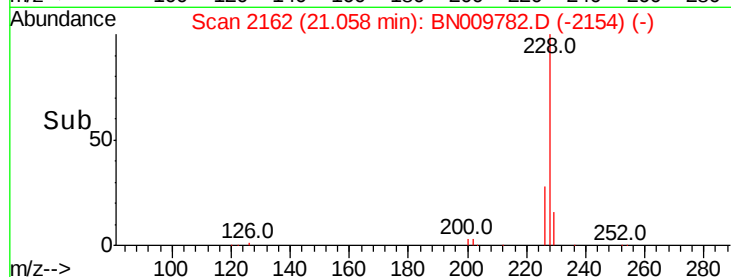
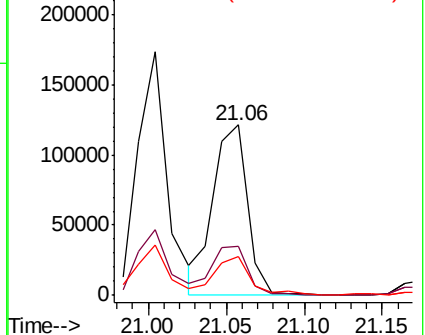
229 22.4 16.4 24.6



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: 0.476 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.00 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

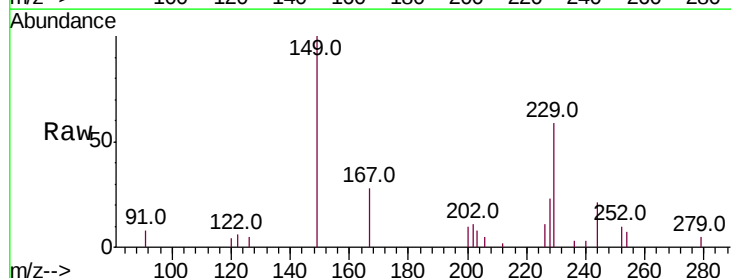
Tgt Ion:149 Resp: 4871

Ion Ratio Lower Upper

149 100

167 26.4 22.7 34.1

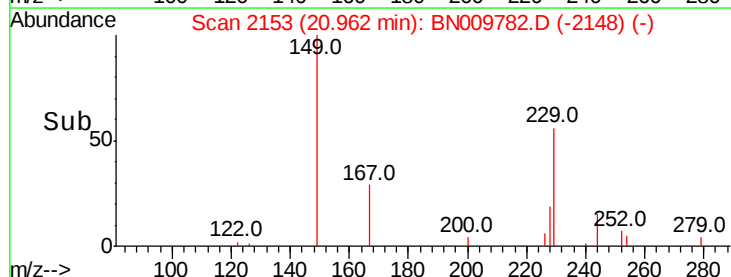
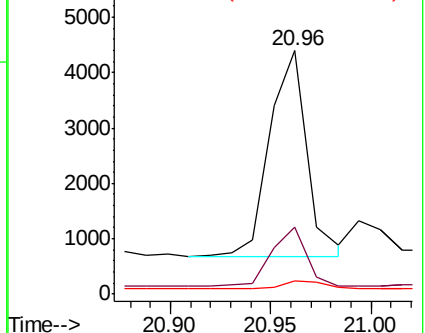
279 3.8 3.1 4.7

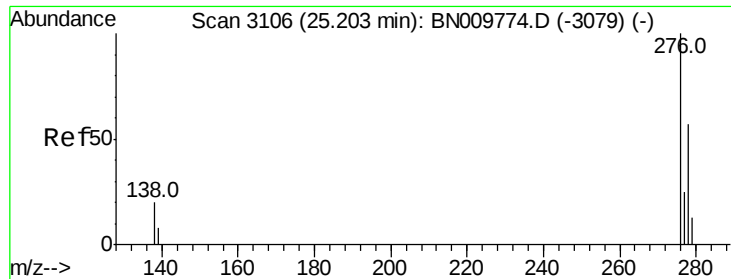


Abundance Ion 149.00 (148.70 to 149.70): E

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: 2.650 ng

RT: 25.17 min Scan# 3097

Delta R.T. -0.03 min

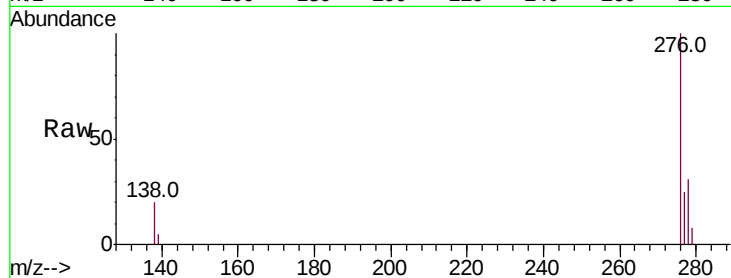
Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 67019

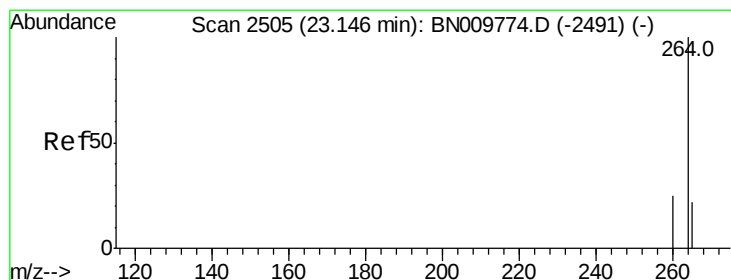
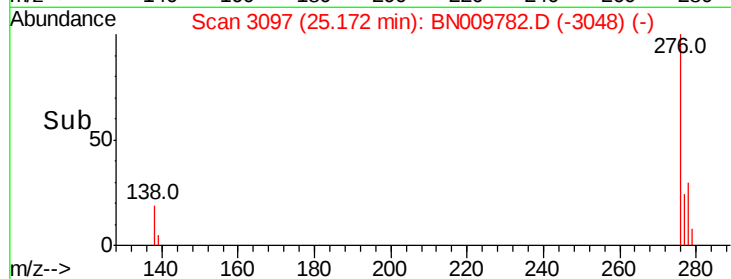
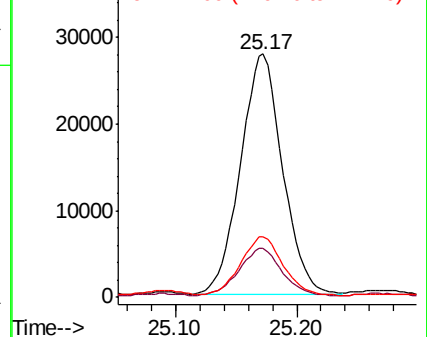
Ion Ratio Lower Upper

276 100

138 19.8 15.8 23.6

277 24.8 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: 23.12 min Scan# 2498

Delta R.T. -0.02 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Tgt Ion:264 Resp: 6004

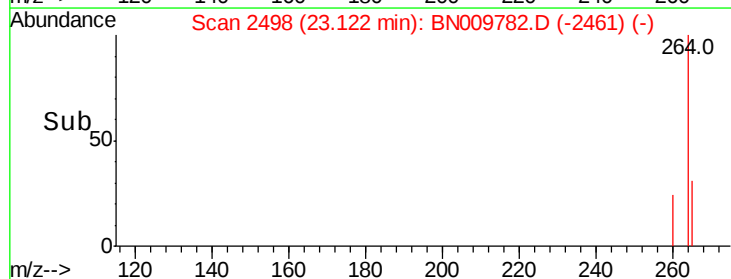
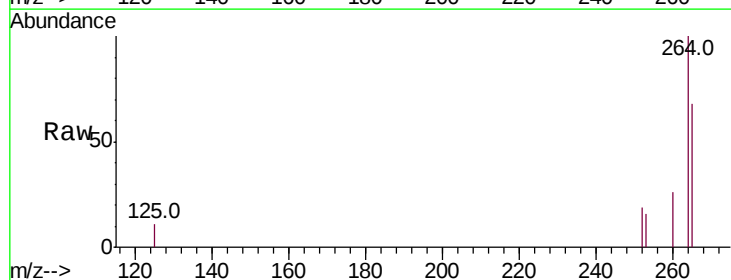
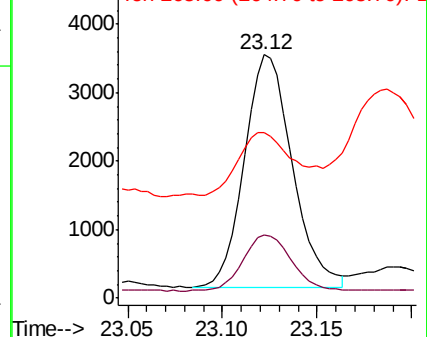
Ion Ratio Lower Upper

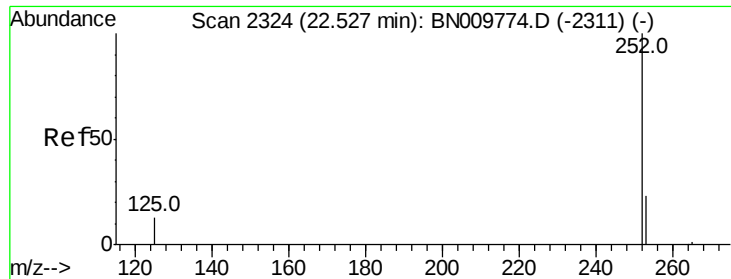
264 100

260 25.8 21.1 31.7

265 68.1 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

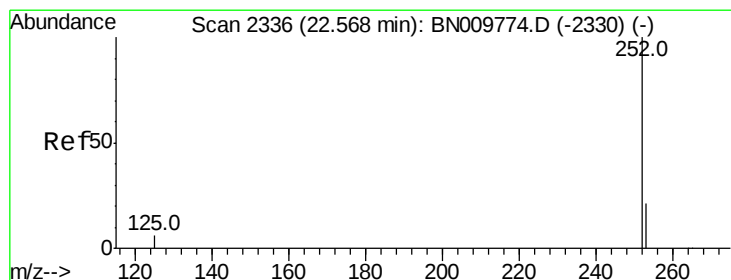
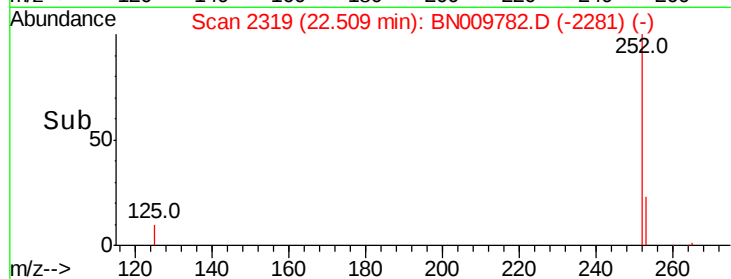
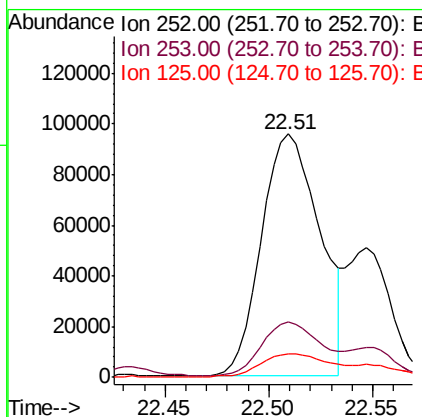
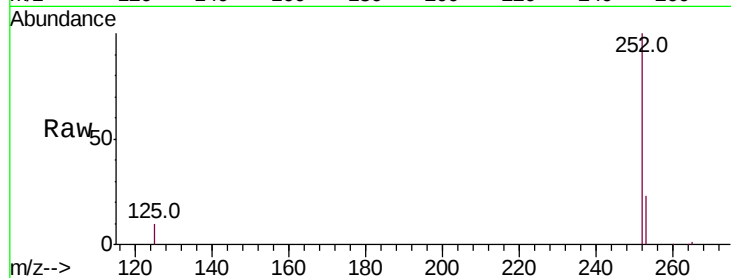




#35
Benzo(b)fluoranthene
Concen: 8.520 ng
RT: 22.51 min Scan# 2319
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

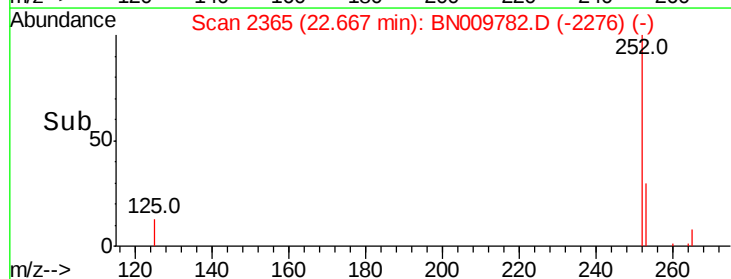
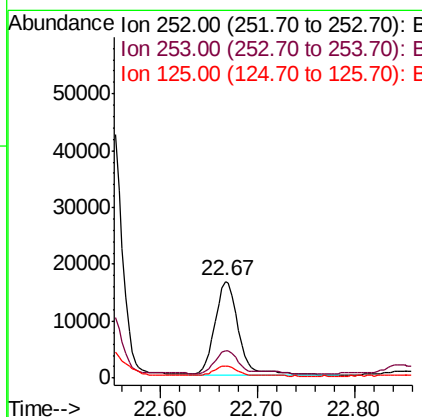
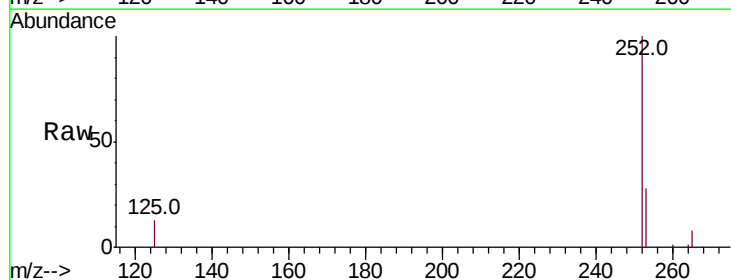
Instrument :
BNA_N
ClientSampleId :

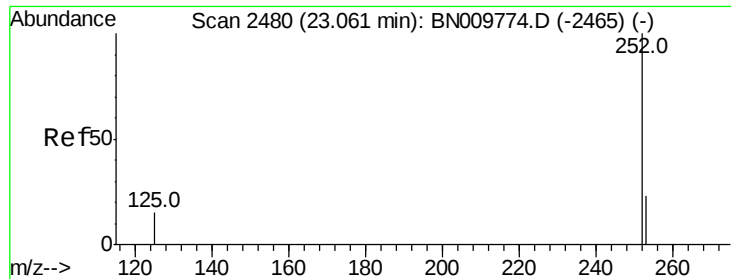
Tot Ion:252 Resp: 187009
Ion Ratio Lower Upper
252 100
253 22.7 23.0 34.6#
125 9.9 14.4 21.6#



#36
Benzo(k)fluoranthene
Concen: 1.163 ng
RT: 22.67 min Scan# 2365
Delta R.T. 0.10 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:252 Resp: 27785
Ion Ratio Lower Upper
252 100
253 28.5 22.2 33.2
125 12.8 10.5 15.7





#37

Benzo(a)pyrene

Concen: 6.493 ng

RT: 23.03 min Scan# 2472

Delta R.T. -0.03 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Instrument :

BNA_N

ClientSampleId :

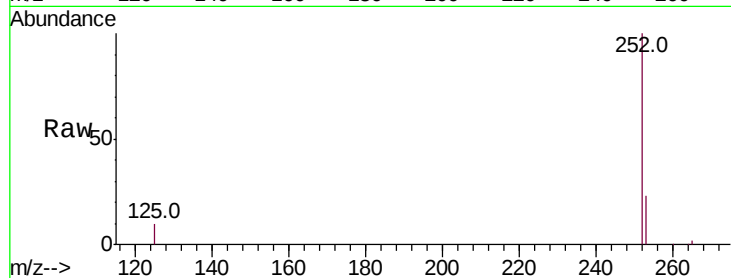
Tot Ion:252 Resp: 130032

Ion Ratio Lower Upper

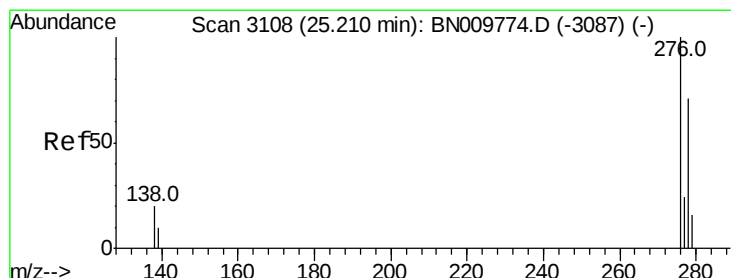
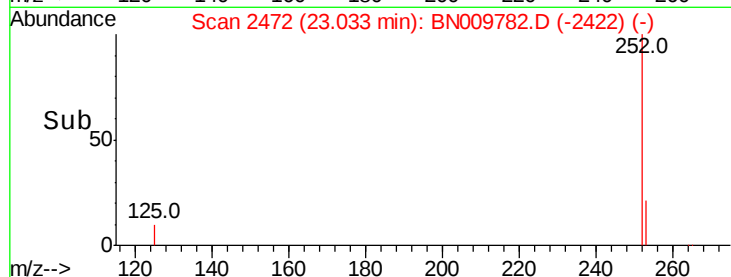
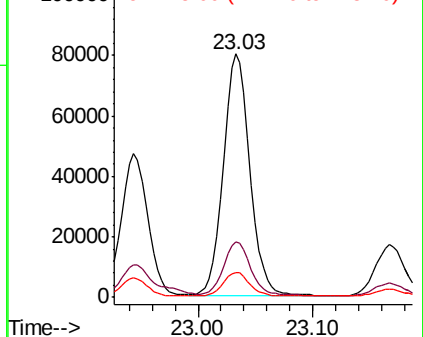
252 100

253 22.9 25.3 37.9#

125 10.3 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: 1.239 ng

RT: 25.17 min Scan# 3097

Delta R.T. -0.04 min

Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

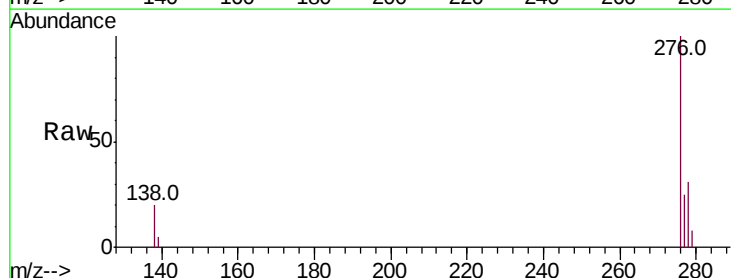
Tgt Ion:278 Resp: 24439

Ion Ratio Lower Upper

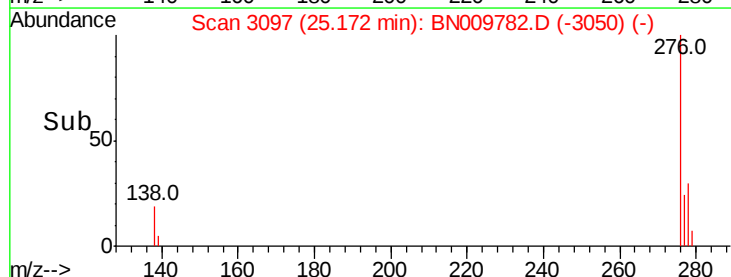
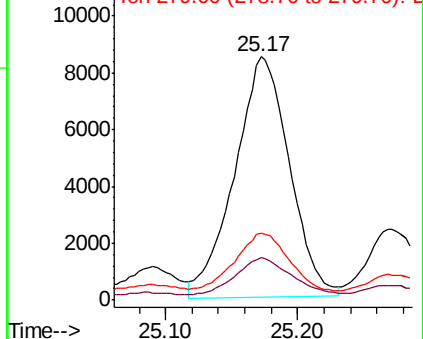
278 100

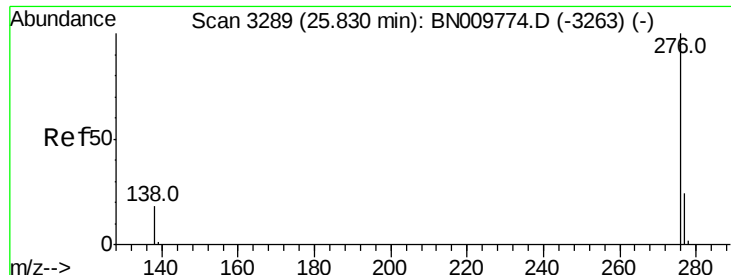
139 17.5 14.5 21.7

279 27.7 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: 2.828 ng

RT: 25.79 min Scan# 3278

Delta R.T. -0.04 min

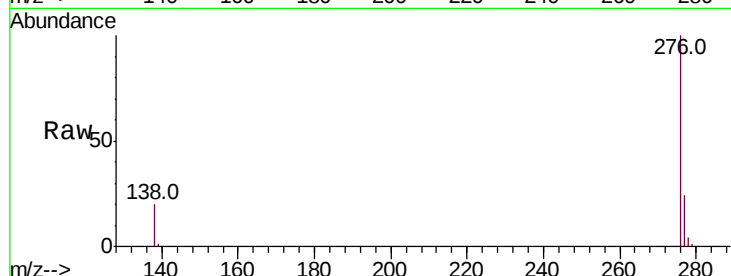
Lab File: BN009782.D

Acq: 19 Feb 2020 17:58

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 59407

Ion Ratio Lower Upper

276 100

277 24.3 21.4 32.0

138 19.7 16.6 24.8

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

