

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\
 Data File : BN009783.D
 Acq On : 19 Feb 2020 18:34
 Operator : CG/JU
 Sample : L1468-06MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TP9-EP2-3MSD

Quant Time: Feb 20 04:23:39 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	1388	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5141	0.40	ng	-0.03
13) Acenaphthene-d10	14.05	164	3414	0.40	ng	-0.01
19) Phenanthrene-d10	16.80	188	7470	0.40	ng	-0.01
27) Chrysene-d12	21.02	240	7681	0.40	ng	-0.02
34) Perylene-d12	23.12	264	7224	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.08	112	1418	0.46	ng	0.00
5) Phenol-d6	6.63	99	1852	0.49	ng	-0.02
8) Nitrobenzene-d5	8.57	82	1858	0.43	ng	-0.03
11) 2-Methylnaphthalene-d10	11.75	152	3819	0.38	ng	-0.03
14) 2,4,6-Tribromophenol	15.55	330	663	0.50	ng	-0.03
15) 2-Fluorobiphenyl	12.66	172	5422	0.42	ng	-0.02
25) Fluoranthene-d10	18.84	212	7713	0.30	ng	-0.02
29) Terphenyl-d14	19.46	244	7256	0.40	ng	-0.02

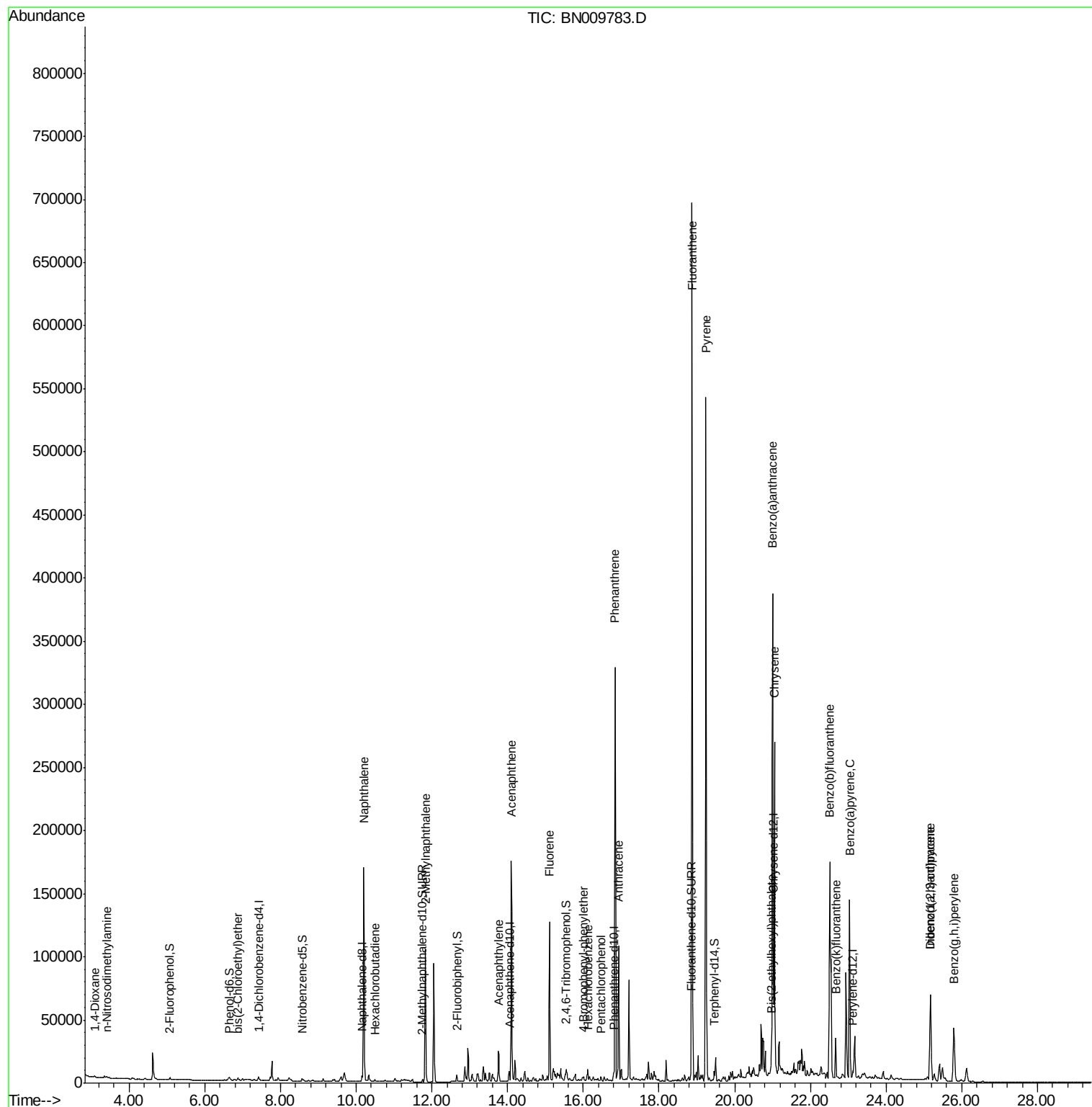
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.10	88	521	0.366	ng	# 69
3) n-Nitrosodimethylamine	3.40	42	847	0.363	ng	# 66
6) bis(2-Chloroethyl)ether	6.87	93	1545	0.423	ng	99
9) Naphthalene	10.20	128	207279	14.783	ng	# 93
10) Hexachlorobutadiene	10.49	225	987	0.320	ng	# 97
12) 2-Methylnaphthalene	11.83	142	73821	7.679	ng	96
16) Acenaphthylene	13.76	152	25512	1.753	ng	# 97
17) Acenaphthene	14.10	154	87205	8.521	ng	98
18) Fluorene	15.10	166	69128	5.119	ng	100
20) 4-Bromophenyl-phenylether	16.01	248	1272	0.192	ng	92
21) Hexachlorobenzene	16.12	284	1688	0.363	ng	98
22) Pentachlorophenol	16.48	266	828	0.710	ng	89
23) Phenanthrene	16.84	178	357159	16.065	ng	99
24) Anthracene	16.93	178	102229	5.440	ng	96
26) Fluoranthene	18.87	202	615235	23.112	ng	99
28) Pyrene	19.24	202	506411	17.363	ng	# 95
30) Benzo(a)anthracene	21.00	228	326560	12.811	ng	99
31) Chrysene	21.06	228	258502	8.766	ng	95
32) Bis(2-ethylhexyl)phthalate	20.96	149	6971	0.560	ng	98
33) Indeno(1,2,3-cd)pyrene	25.17	276	90928	2.961	ng	98
35) Benzo(b)fluoranthene	22.51	252	256707	9.720	ng	# 86
36) Benzo(k)fluoranthene	22.67	252	38194	1.328	ng	99
37) Benzo(a)pyrene	23.03	252	177672	7.373	ng	# 80
38) Dibenzo(a,h)anthracene	25.17	278	33167	1.398	ng	96
39) Benzo(g,h,i)perylene	25.79	276	80138	3.171	ng	96

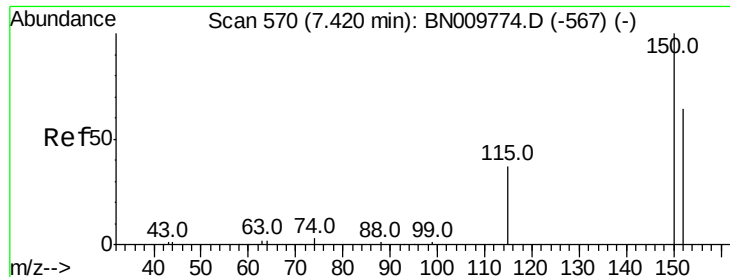
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.42 min Scan# 570

Delta R.T. -0.00 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

BNA_N

ClientSampleId :

TP9-EP2-3MSD

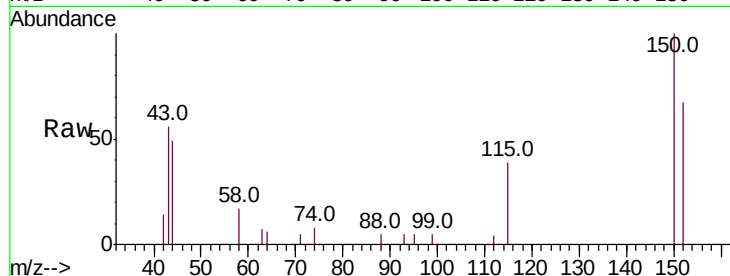
Tot Ion:152 Resp: 1388

Ion Ratio Lower Upper

152 100

150 149.4 120.6 181.0

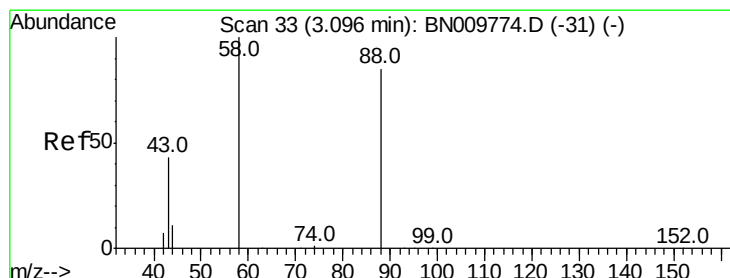
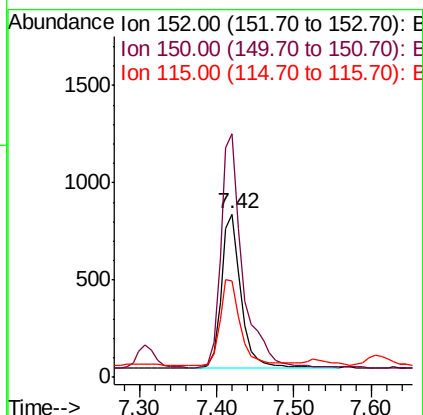
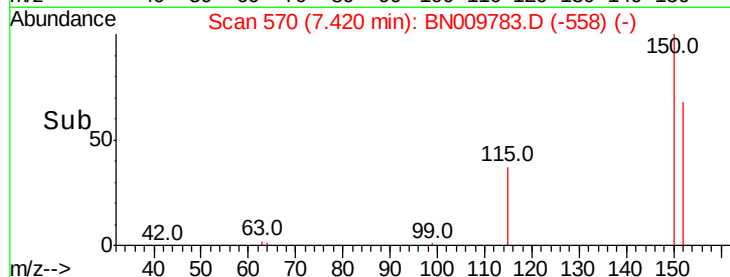
115 58.8 51.2 76.8



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: 0.366 ng

RT: 3.10 min Scan# 33

Delta R.T. -0.00 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

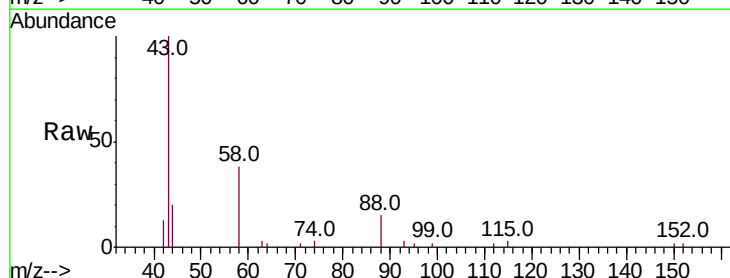
Tgt Ion: 88 Resp: 521

Ion Ratio Lower Upper

88 100

58 106.1 97.8 146.8

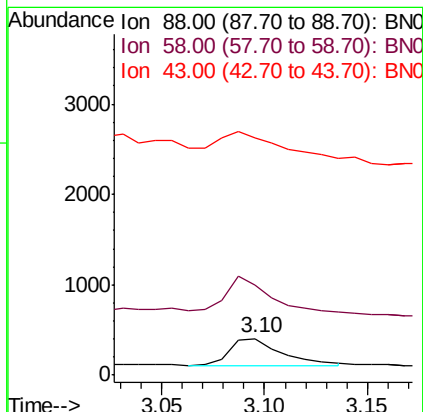
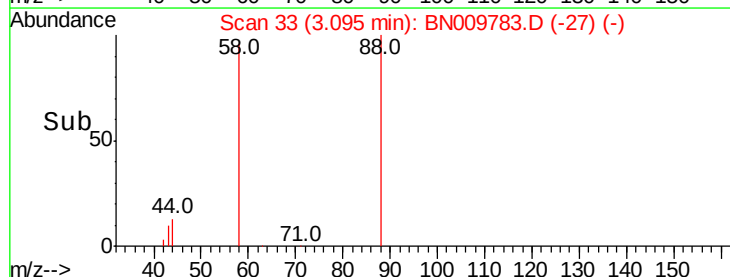
43 105.6 45.1 67.7#

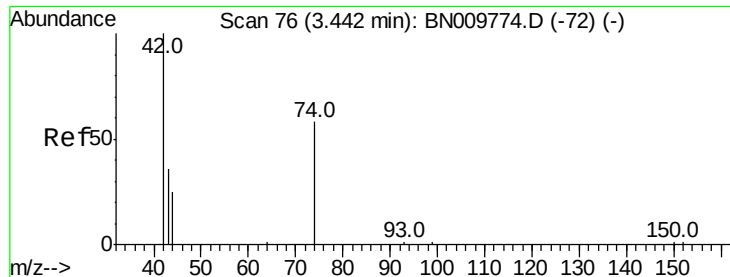


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.363 ng

RT: 3.40 min Scan# 71

Delta R.T. -0.04 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

BNA_N

ClientSampleId :

TP9-EP2-3MSD

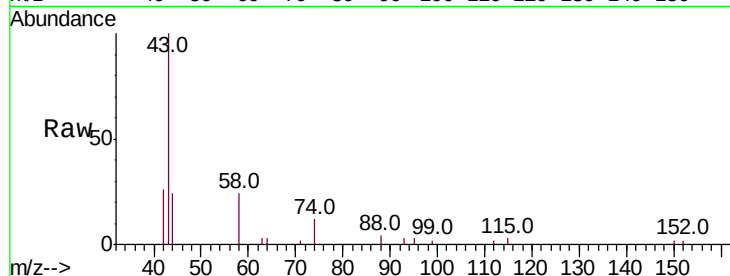
Tot Ion: 42 Resp: 847

Ion Ratio Lower Upper

42 100

74 91.3 51.2 76.8#

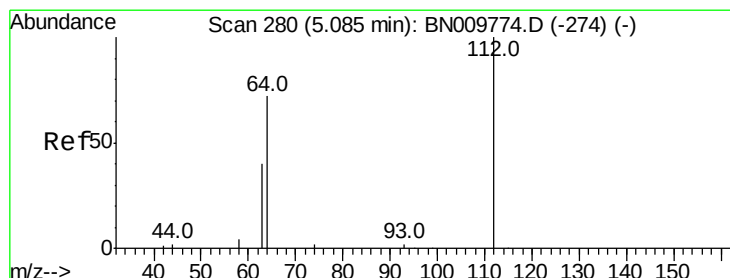
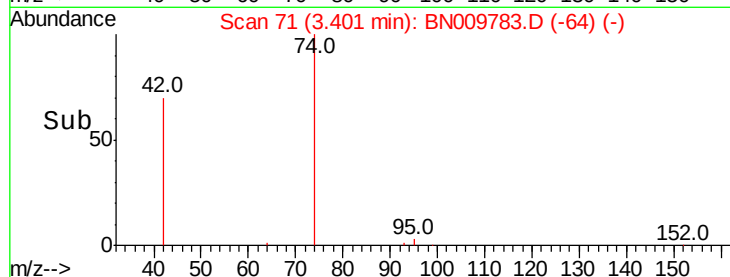
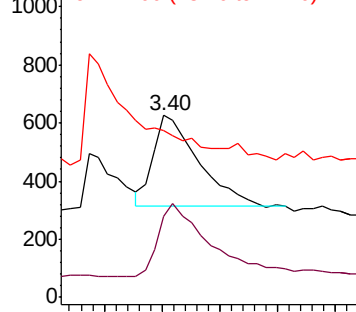
44 0.0 2.6 4.0#



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: 0.459 ng

RT: 5.08 min Scan# 280

Delta R.T. -0.00 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

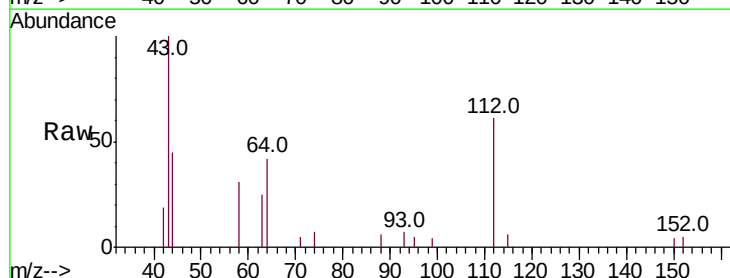
Tgt Ion: 112 Resp: 1418

Ion Ratio Lower Upper

112 100

64 82.3 65.8 98.6

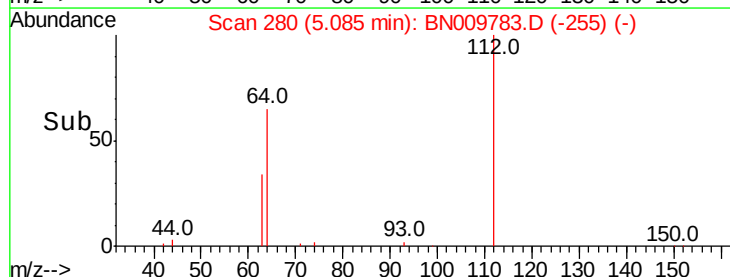
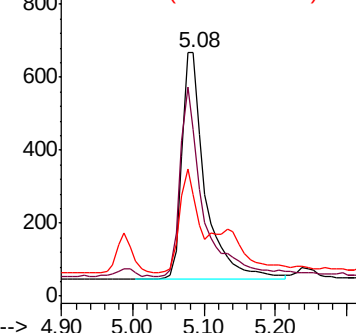
63 42.7 38.7 58.1

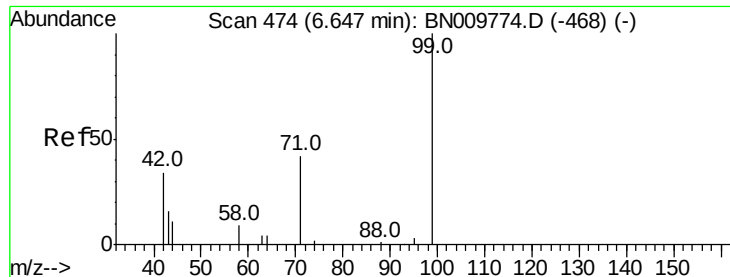


Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.493 ng

RT: 6.63 min Scan# 472

Delta R.T. -0.02 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

BNA_N

ClientSampleId :

TP9-EP2-3MSD

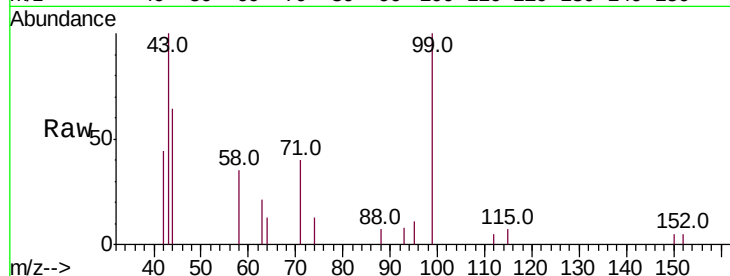
Tot Ion: 99 Resp: 1852

Ion Ratio Lower Upper

99 100

42 39.1 30.8 46.2

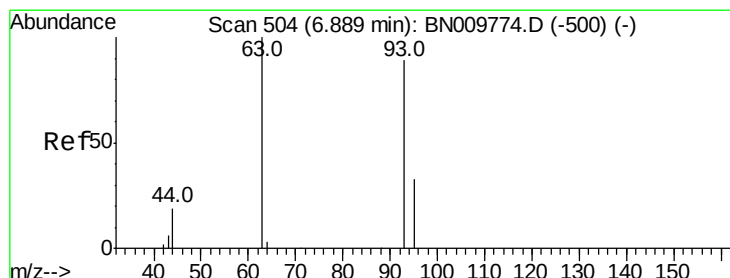
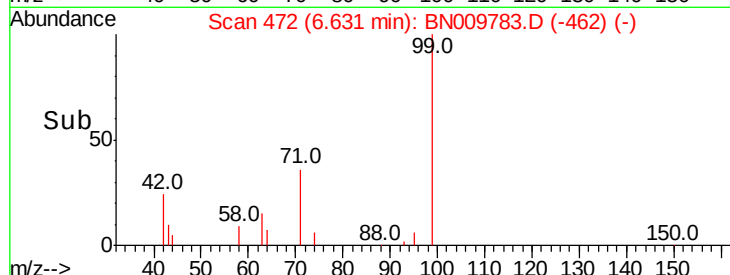
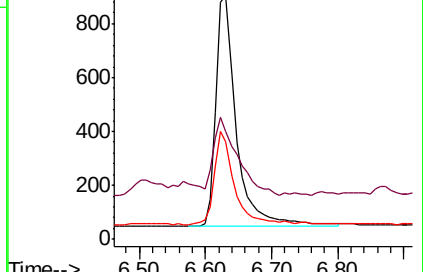
71 38.7 34.9 52.3



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) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.423 ng

RT: 6.87 min Scan# 502

Delta R.T. -0.02 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

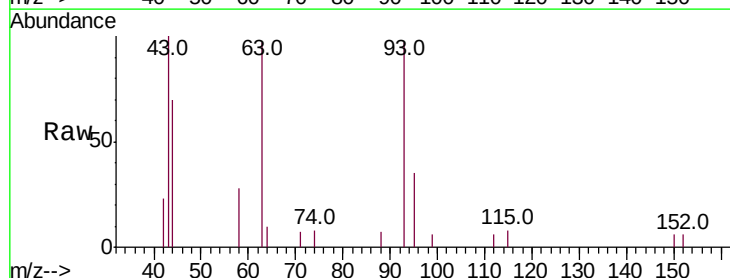
Tgt Ion: 93 Resp: 1545

Ion Ratio Lower Upper

93 100

63 92.8 74.0 111.0

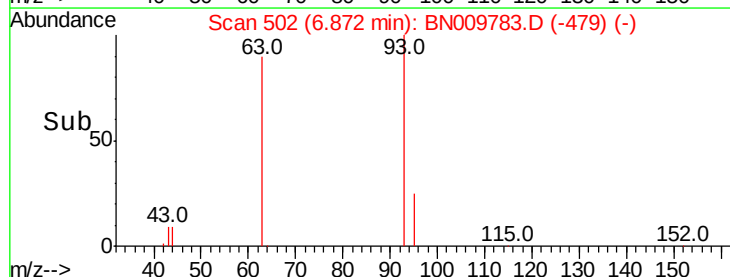
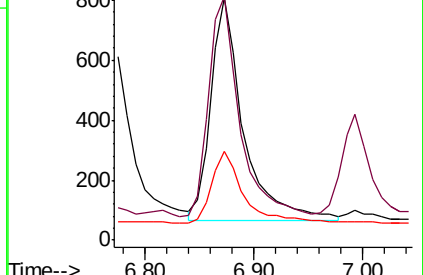
95 32.8 26.7 40.1

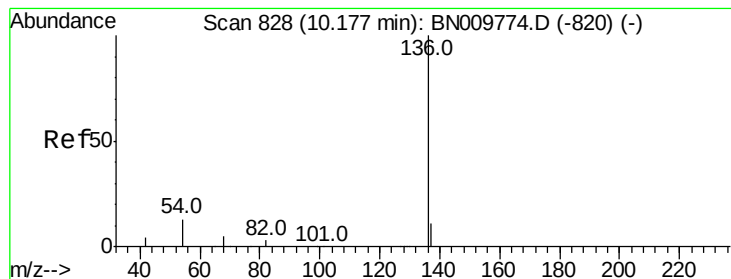


Abundance Ion 93.00 (92.70 to 93.70): BN009774.D (-500) (-)

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

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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.03 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

BNA_N

ClientSampleId :

TP9-EP2-3MSD

Tot Ion:136 Resp: 5141

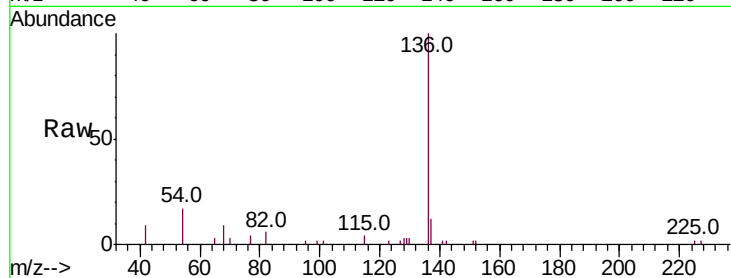
Ion Ratio Lower Upper

136 100

137 12.1 11.3 16.9

54 17.0 13.4 20.2

68 8.9 7.0 10.4

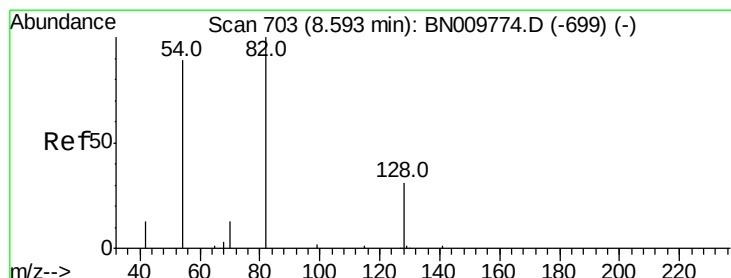
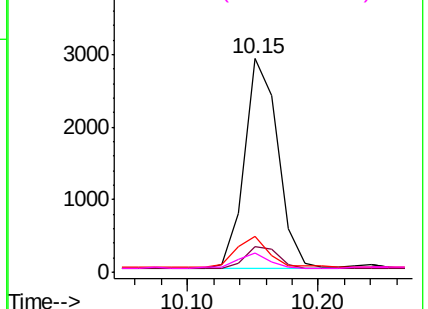
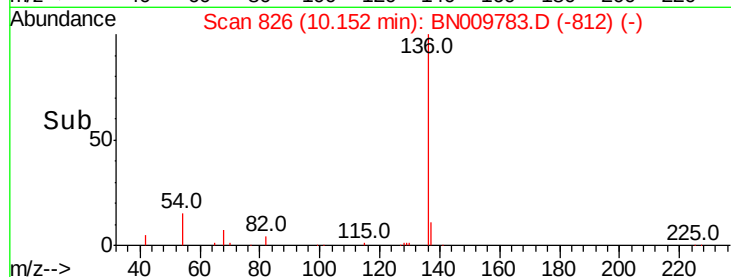


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.434 ng

RT: 8.57 min Scan# 701

Delta R.T. -0.03 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

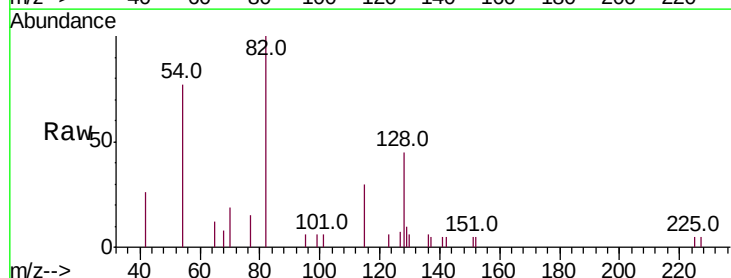
Tgt Ion: 82 Resp: 1858

Ion Ratio Lower Upper

82 100

128 44.8 32.5 48.7

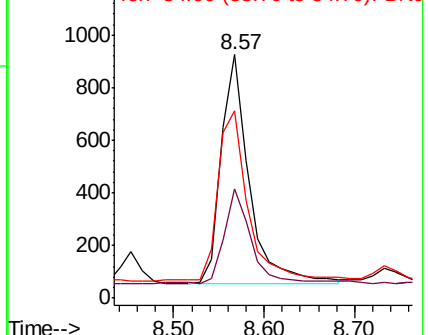
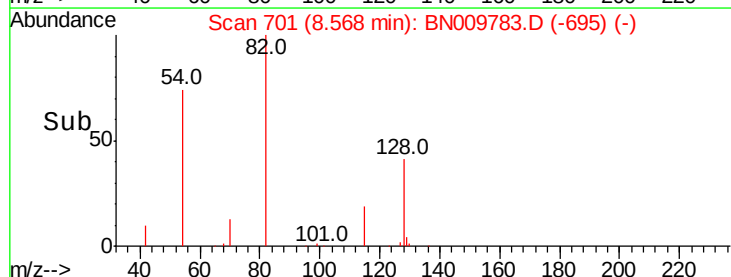
54 76.7 73.5 110.3

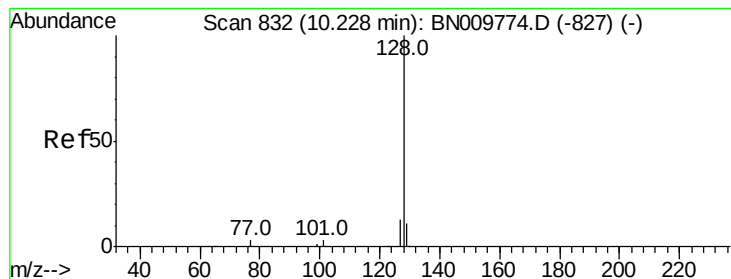


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 14.783 ng

RT: 10.20 min Scan# 830

Delta R.T. -0.03 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

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ClientSampleId :

TP9-EP2-3MSD

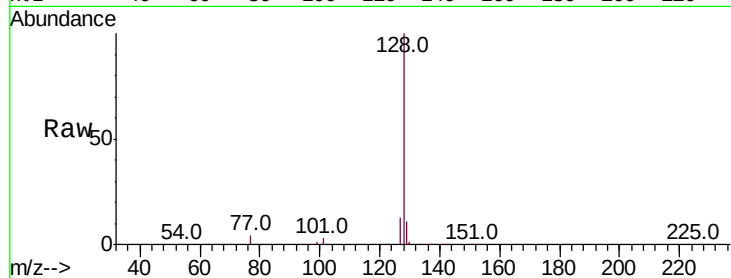
Tot Ion:128 Resp: 207279

Ion Ratio Lower Upper

128 100

129 10.9 11.1 16.7#

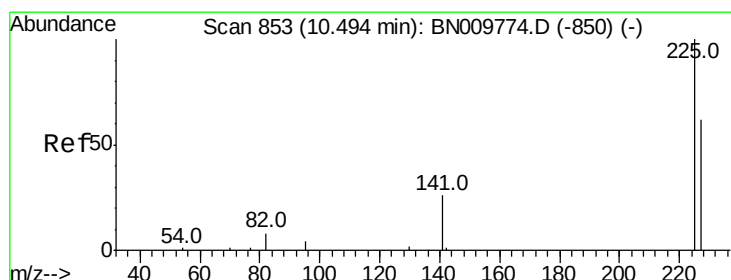
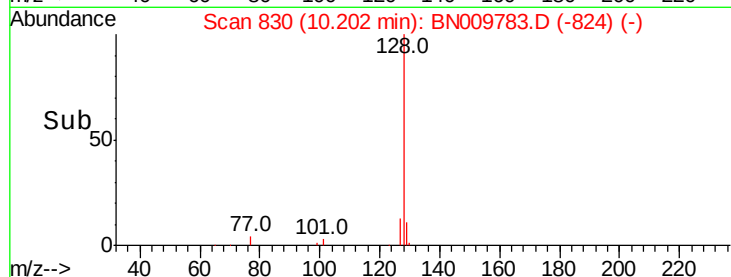
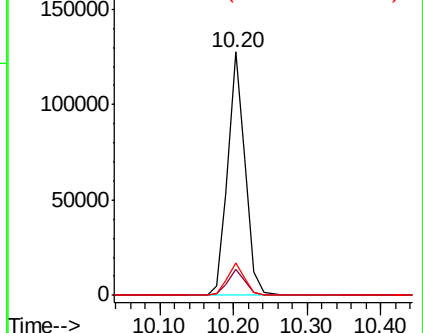
127 13.1 12.6 19.0



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: 0.320 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.00 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

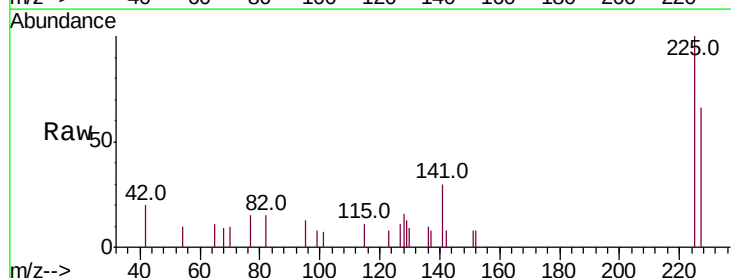
Tgt Ion:225 Resp: 987

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

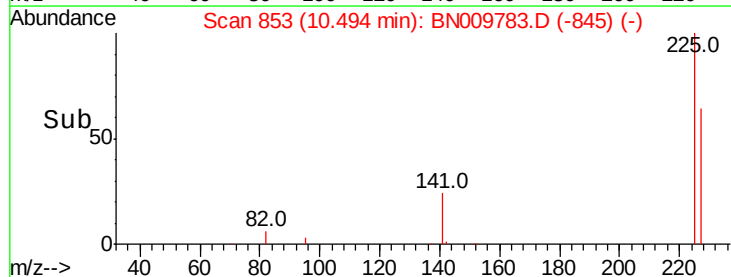
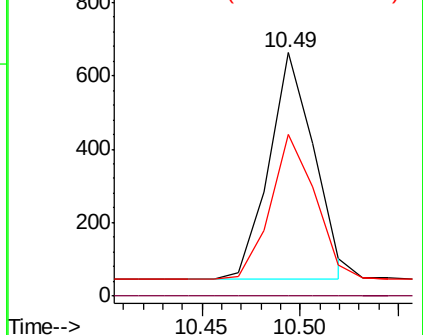
227 64.2 53.4 80.2

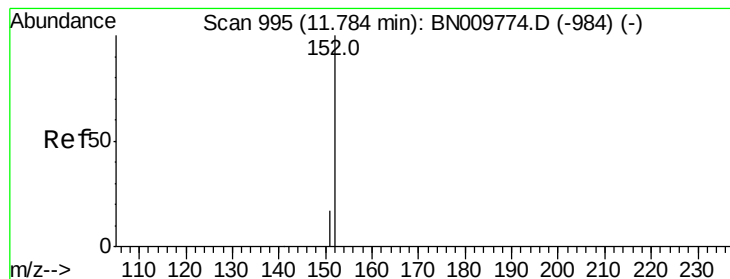


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.384 ng

RT: 11.75 min Scan# 988

Delta R.T. -0.03 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

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ClientSampleId :

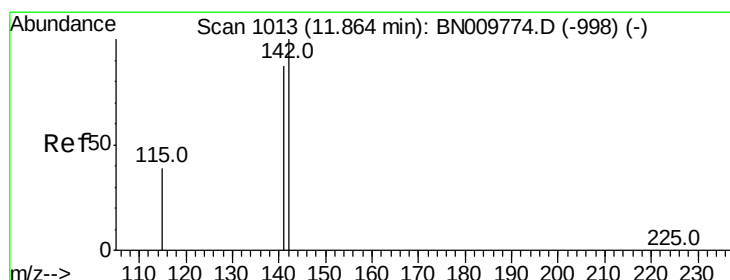
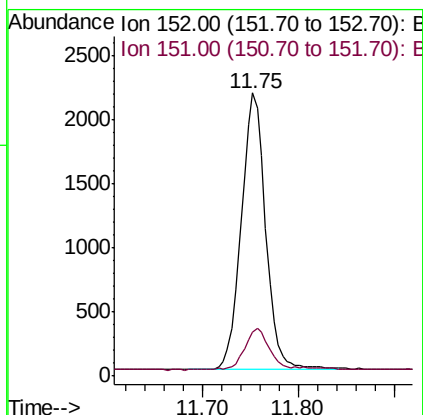
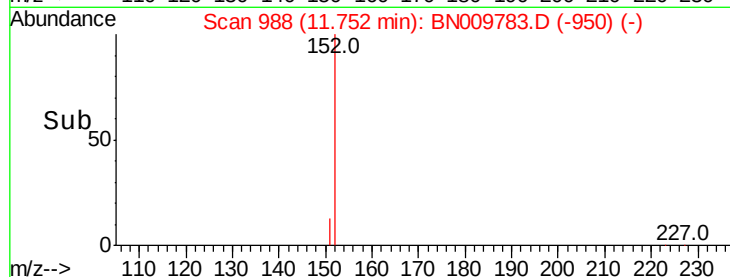
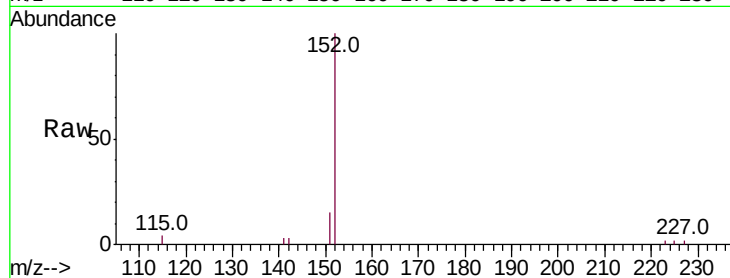
TP9-EP2-3MSD

Tot Ion:152 Resp: 3819

Ion Ratio Lower Upper

152 100

151 16.8 15.1 22.7



#12

2-Methylnaphthalene

Concen: 7.679 ng

RT: 11.83 min Scan# 1005

Delta R.T. -0.04 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

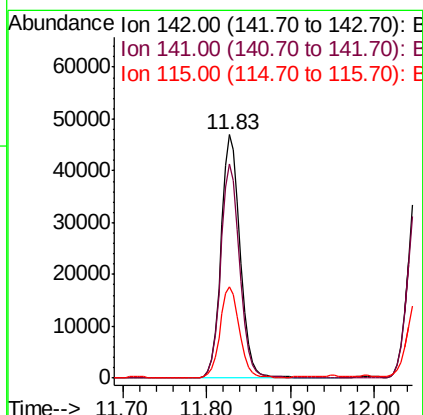
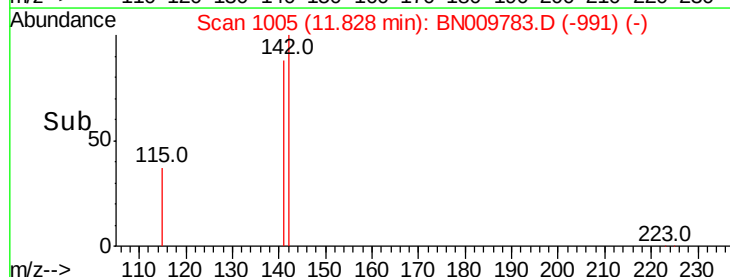
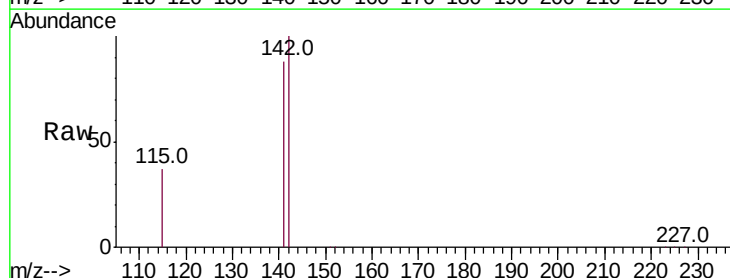
Tgt Ion:142 Resp: 73821

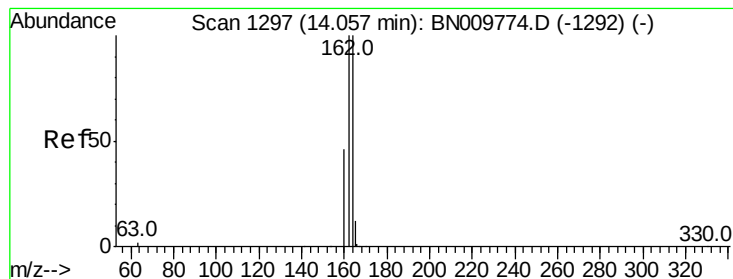
Ion Ratio Lower Upper

142 100

141 88.0 69.8 104.6

115 37.5 34.6 52.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

BNA_N

ClientSampleId :

TP9-EP2-3MSD

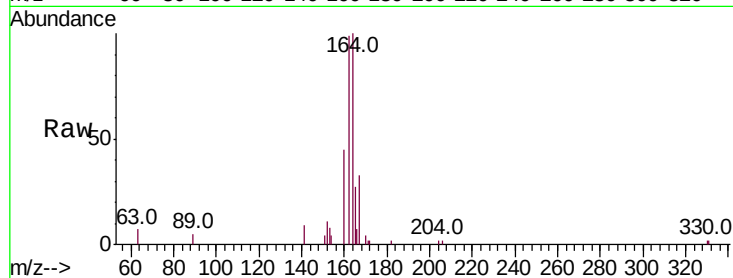
Tot Ion:164 Resp: 3414

Ion Ratio Lower Upper

164 100

162 99.3 79.9 119.9

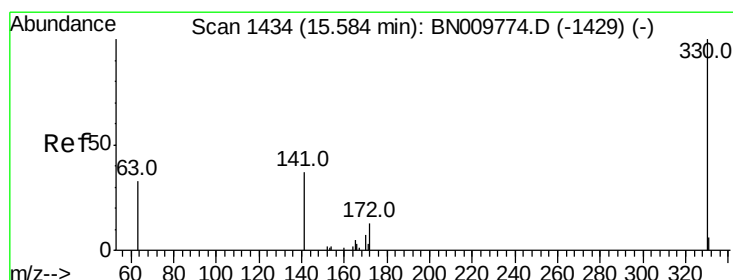
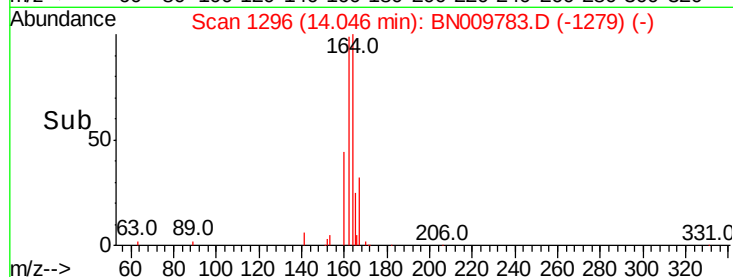
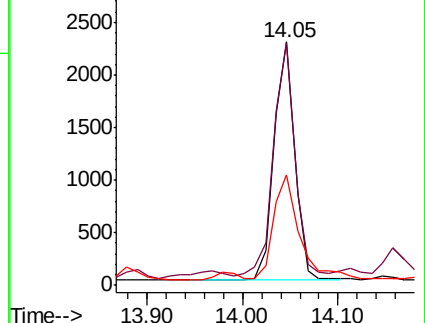
160 45.4 38.2 57.2



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: 0.504 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.03 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

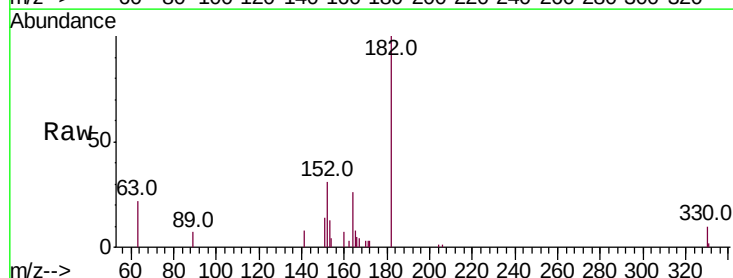
Tgt Ion:330 Resp: 663

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

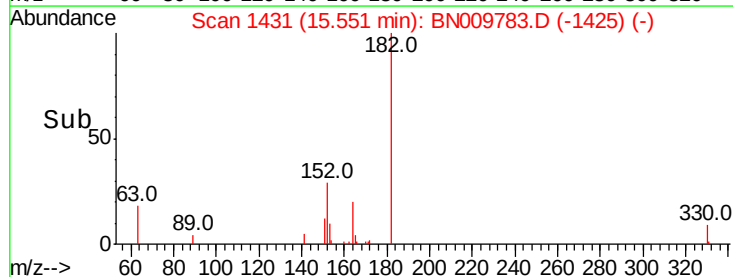
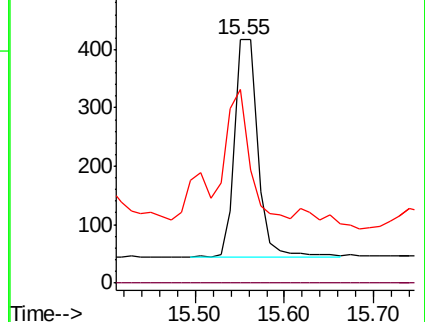
141 59.7 36.8 55.2#

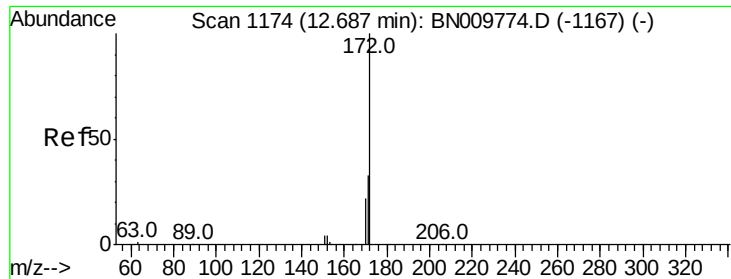


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

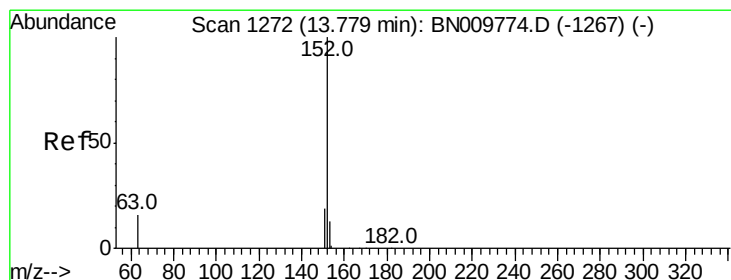
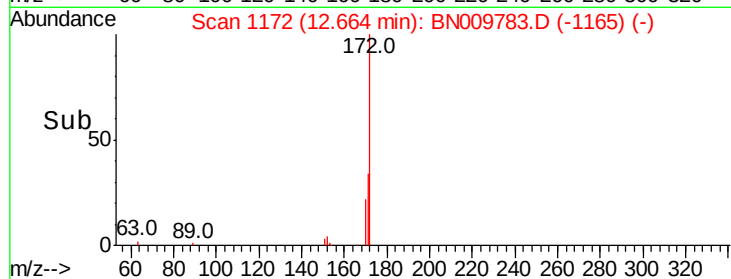
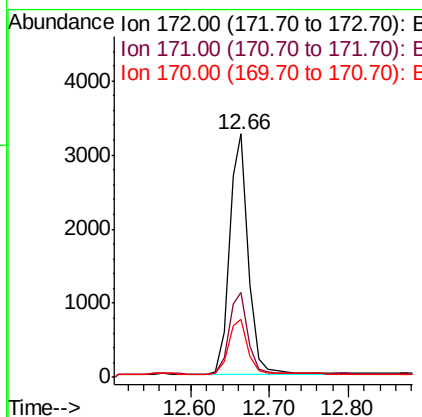
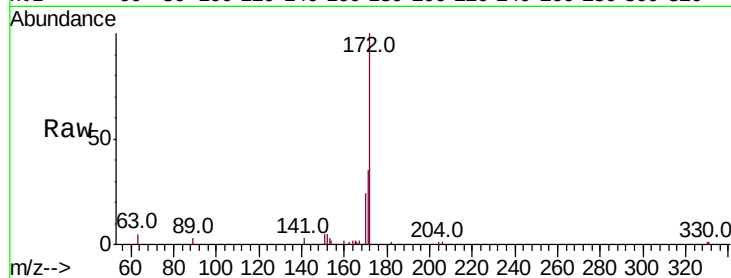




#15
2-Fluorobiphenyl
Concen: 0.421 ng
RT: 12.66 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BN009783.D
Acq: 19 Feb 2020 18:34

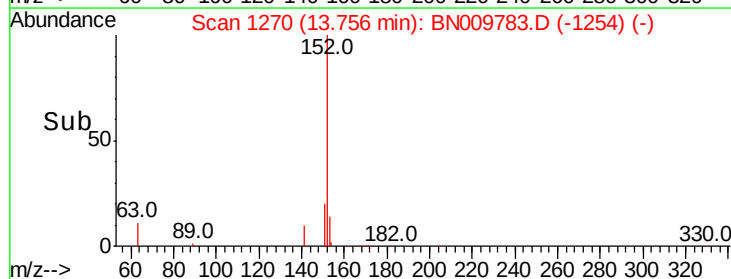
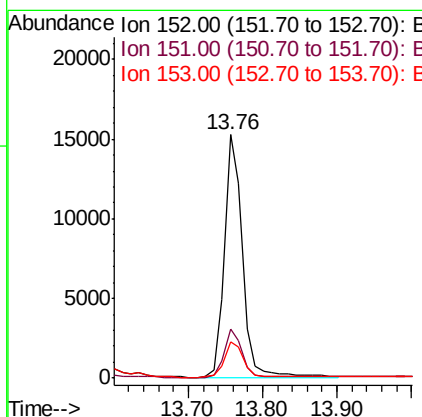
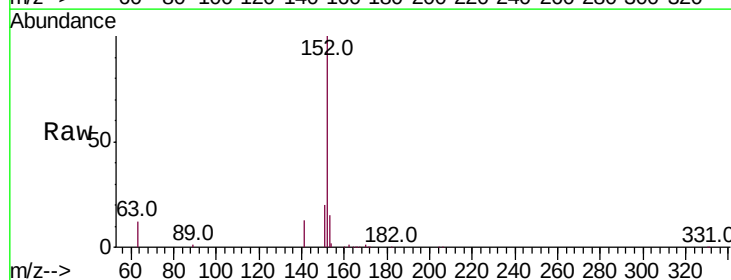
Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MSD

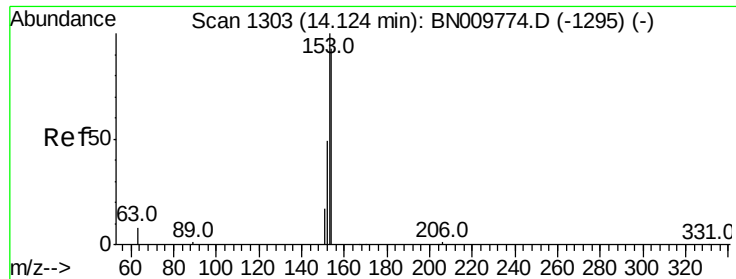
Tot Ion:172 Resp: 5422
Ion Ratio Lower Upper
172 100
171 34.9 28.7 43.1
170 23.6 20.1 30.1



#16
Acenaphthylene
Concen: 1.753 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BN009783.D
Acq: 19 Feb 2020 18:34

Tgt Ion:152 Resp: 25512
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 15.4 10.2 15.4#





#17

Acenaphthene

Concen: 8.521 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

BNA_N

ClientSampleId :

TP9-EP2-3MSD

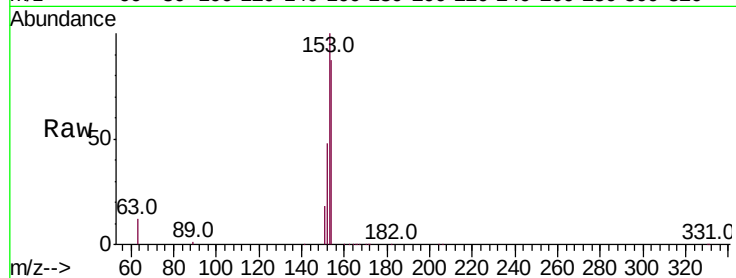
Tot Ion:154 Resp: 87205

Ion Ratio Lower Upper

154 100

153 112.1 88.9 133.3

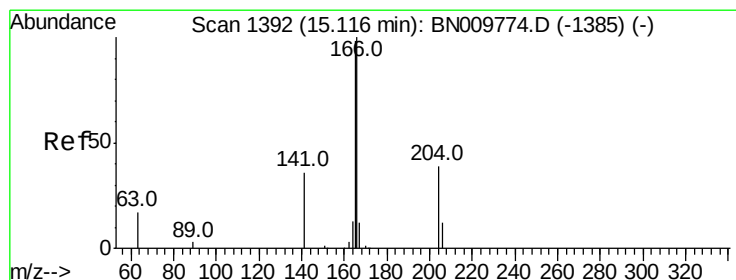
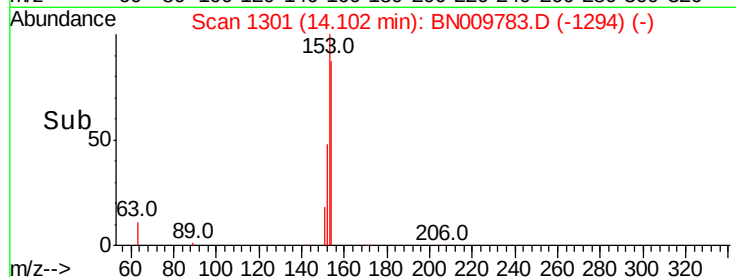
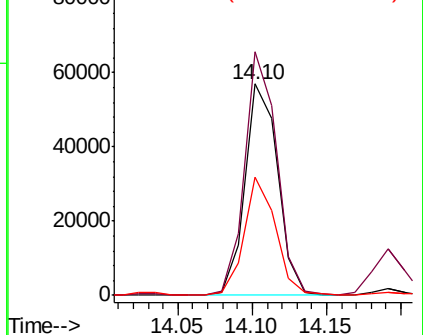
152 53.3 44.2 66.2



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: 5.119 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

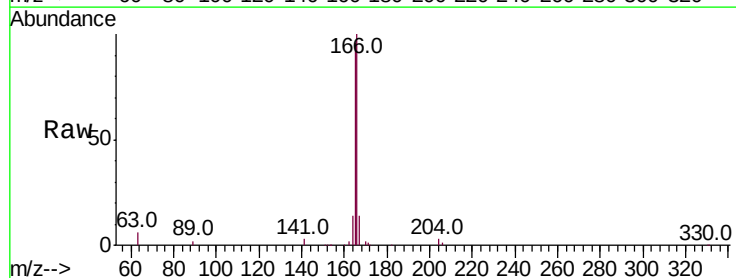
Tgt Ion:166 Resp: 69128

Ion Ratio Lower Upper

166 100

165 96.4 77.2 115.8

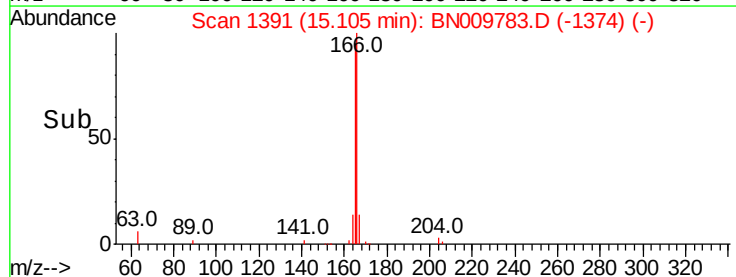
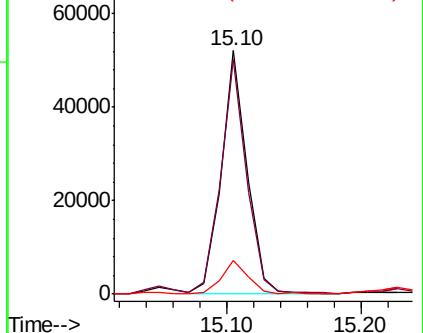
167 14.3 10.5 15.7

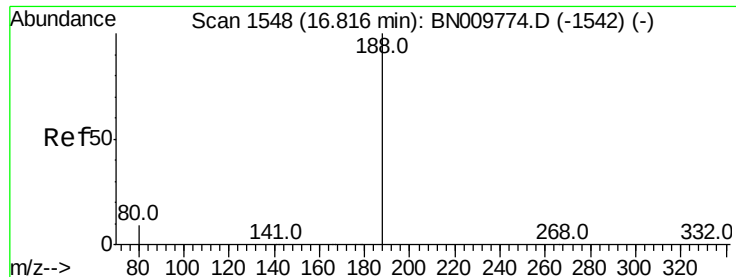


Abundance Ion 166.00 (165.70 to 166.70): E

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: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

BNA_N

ClientSampleId :

TP9-EP2-3MSD

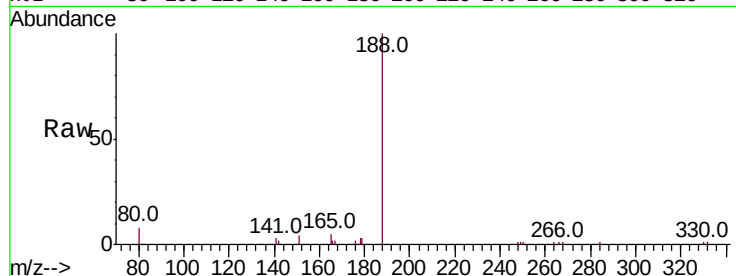
Tot Ion:188 Resp: 7470

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

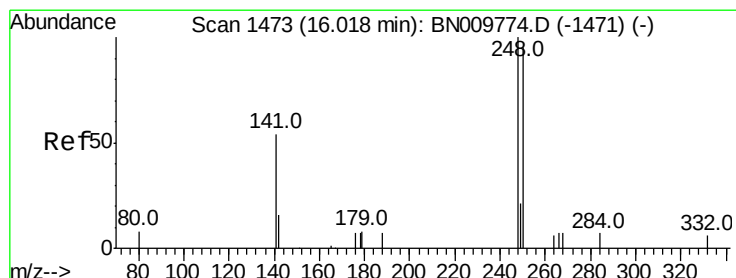
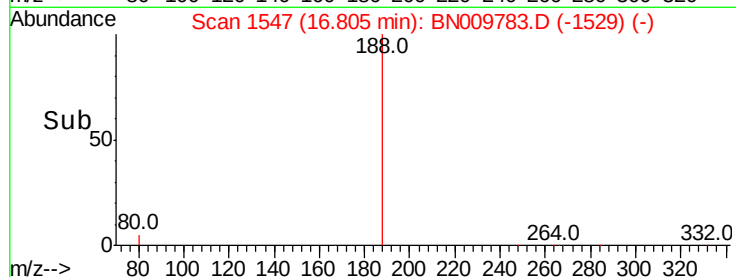
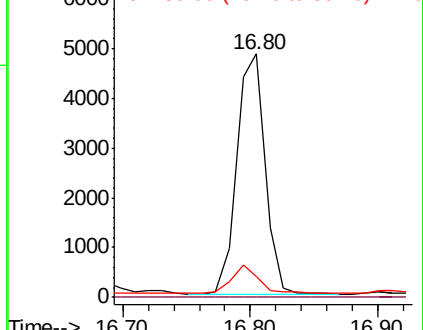
80 8.4 8.3 12.5



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: 0.192 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

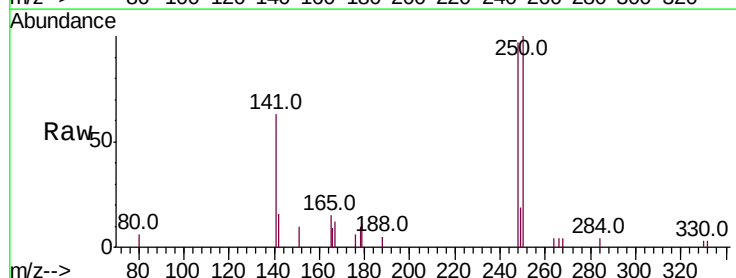
Tgt Ion:248 Resp: 1272

Ion Ratio Lower Upper

248 100

250 103.4 76.2 114.4

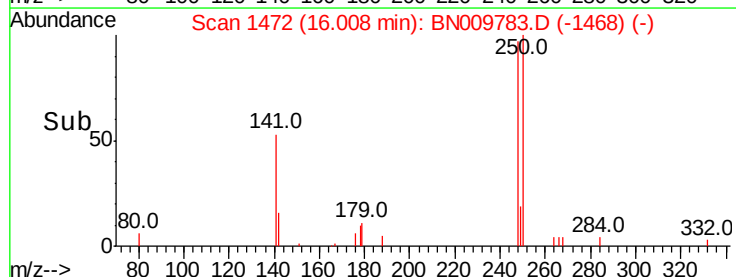
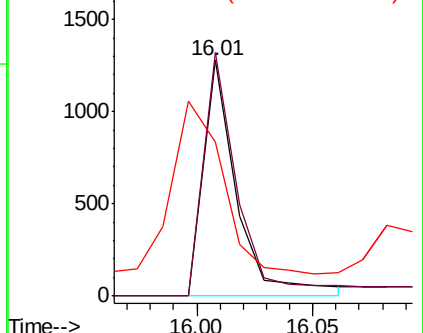
141 65.2 57.8 86.6

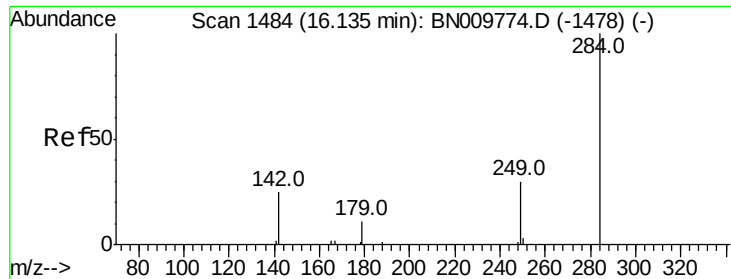


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.363 ng

RT: 16.12 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

BNA_N

ClientSampleId :

TP9-EP2-3MSD

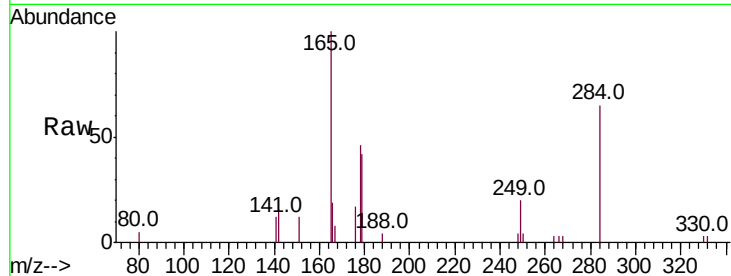
Tot Ion:284 Resp: 1688

Ion Ratio Lower Upper

284 100

142 39.0 33.3 49.9

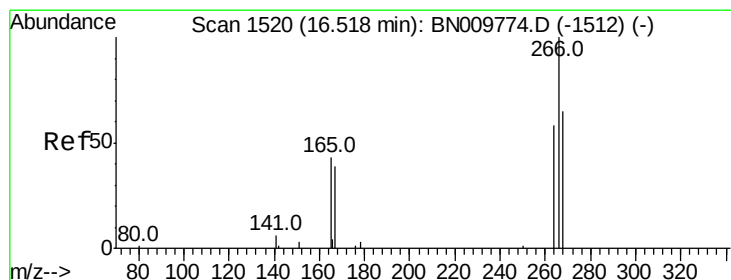
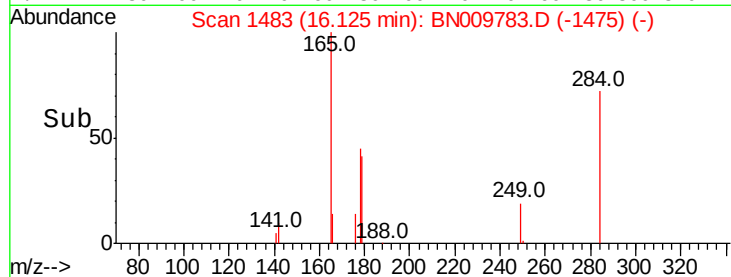
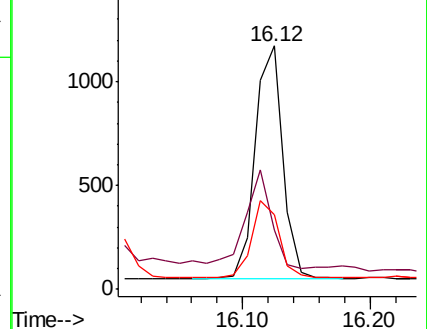
249 32.2 25.7 38.5



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: 0.710 ng

RT: 16.48 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

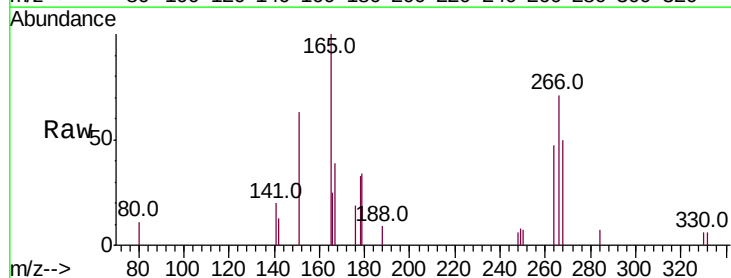
Tgt Ion:266 Resp: 828

Ion Ratio Lower Upper

266 100

264 65.6 58.1 87.1

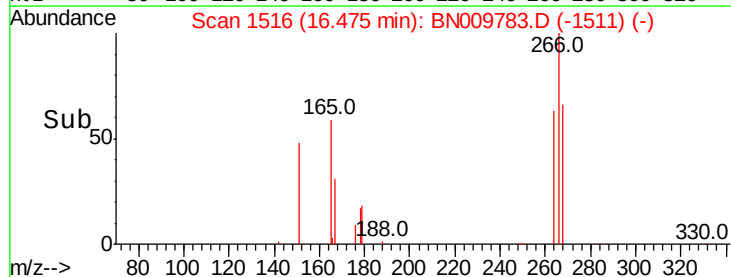
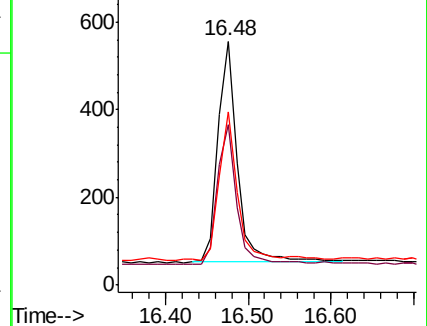
268 70.9 65.7 98.5

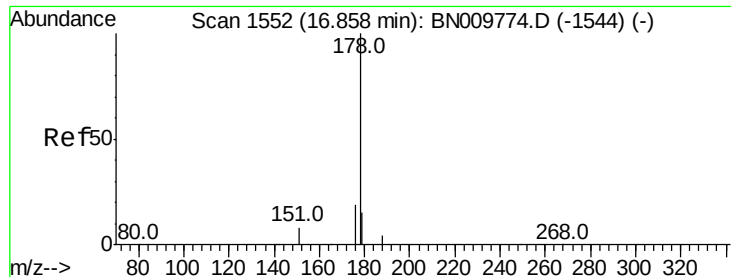


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 16.065 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.02 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

BNA_N

ClientSampleId :

TP9-EP2-3MSD

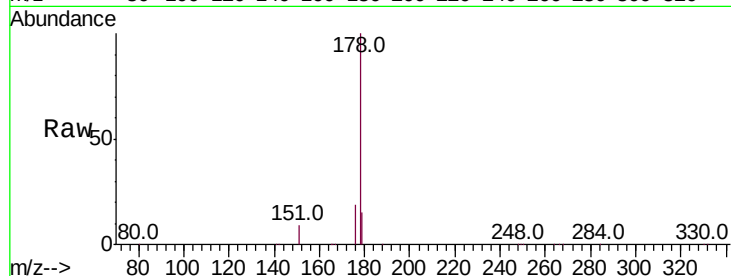
Tot Ion:178 Resp: 357159

Ion Ratio Lower Upper

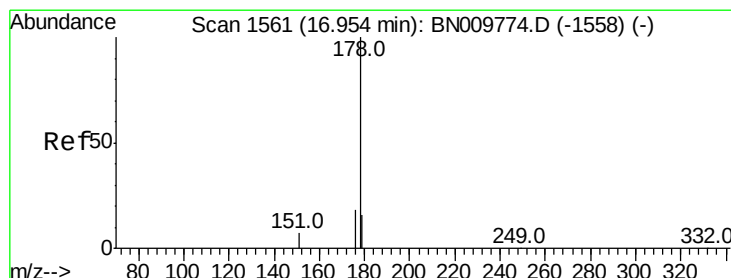
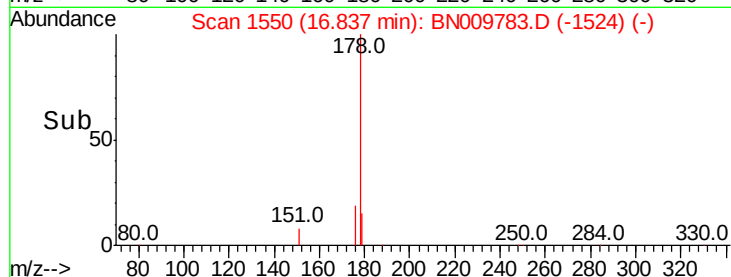
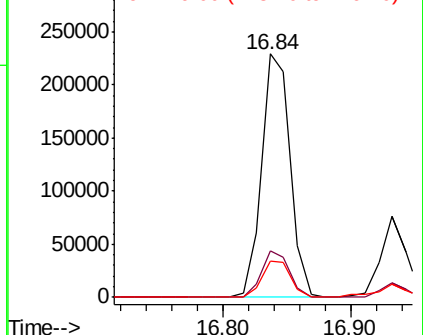
178 100

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



#24

Anthracene

Concen: 5.440 ng

RT: 16.93 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

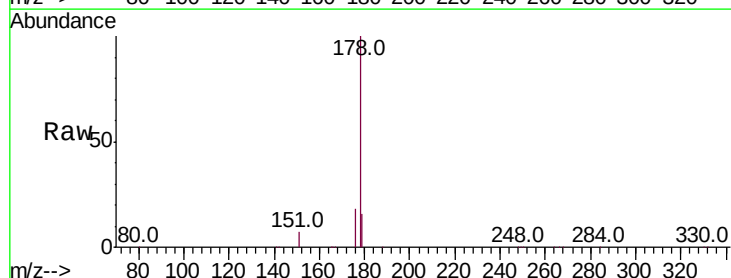
Tgt Ion:178 Resp: 102229

Ion Ratio Lower Upper

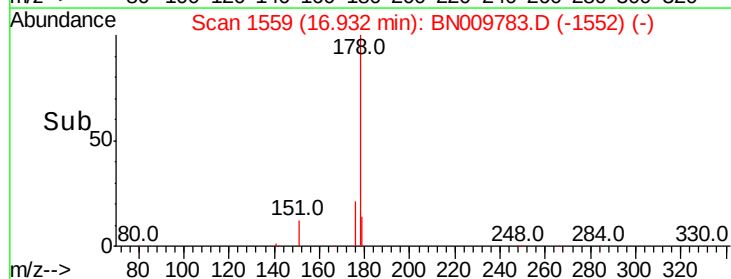
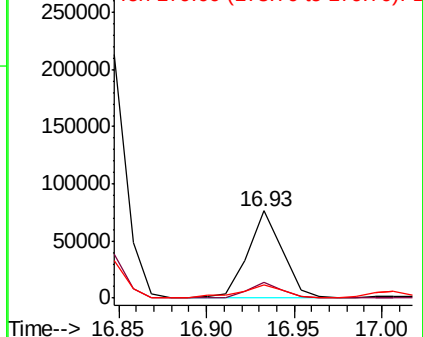
178 100

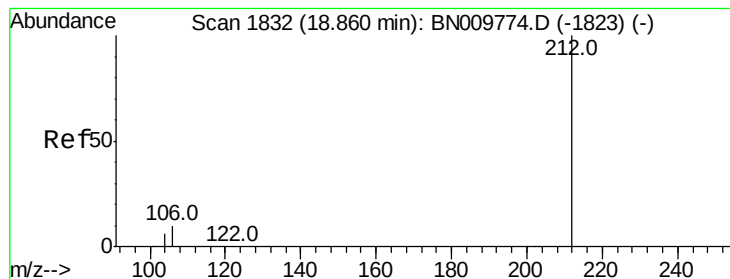
176 18.3 14.3 21.5

179 18.5 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: 0.298 ng

RT: 18.84 min Scan# 1829

Delta R.T. -0.02 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

BNA_N

ClientSampleId :

TP9-EP2-3MSD

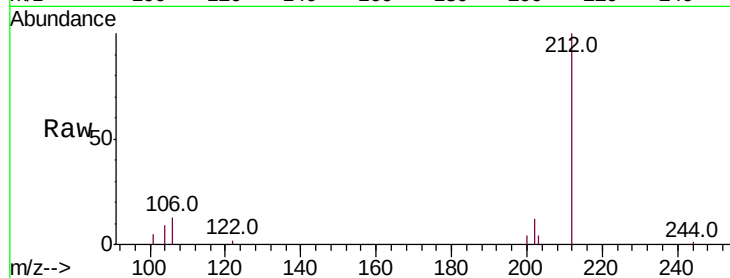
Tot Ion:212 Resp: 7713

Ion Ratio Lower Upper

212 100

106 11.9 8.4 12.6

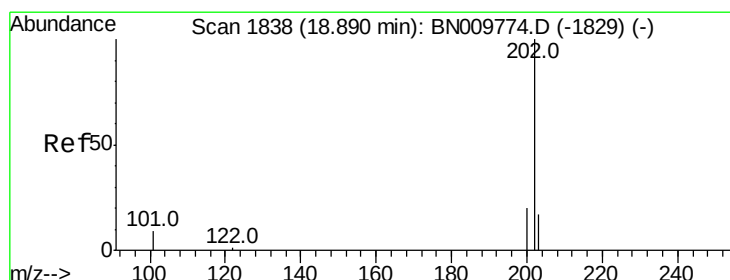
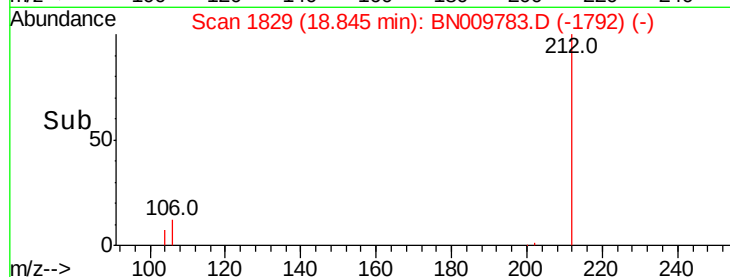
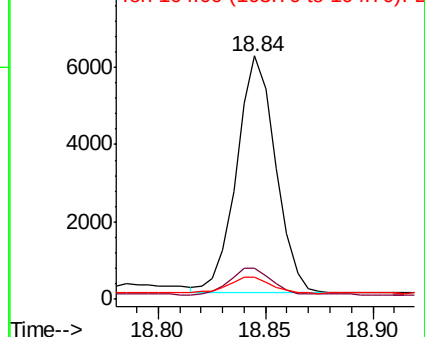
104 7.9 4.8 7.2#



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: 23.112 ng

RT: 18.87 min Scan# 1835

Delta R.T. -0.02 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

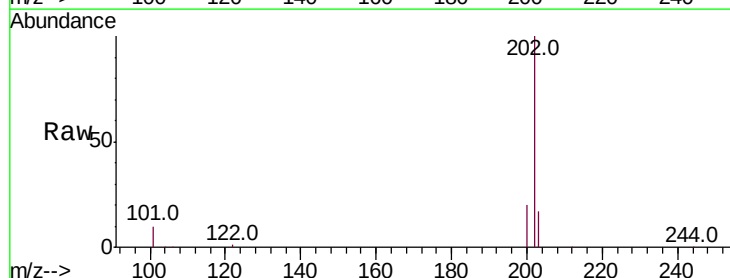
Tgt Ion:202 Resp: 615235

Ion Ratio Lower Upper

202 100

101 9.9 7.1 10.7

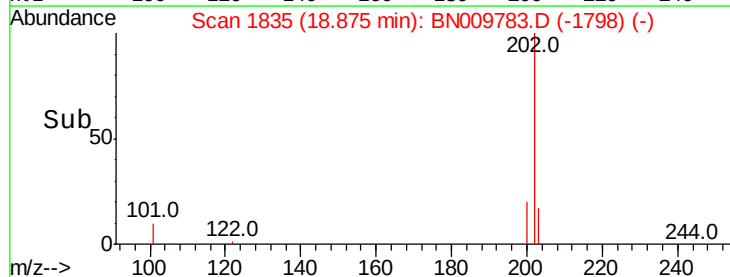
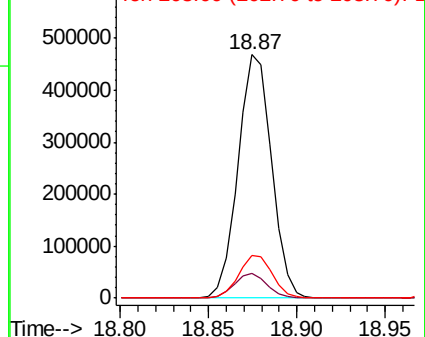
203 17.4 13.8 20.6

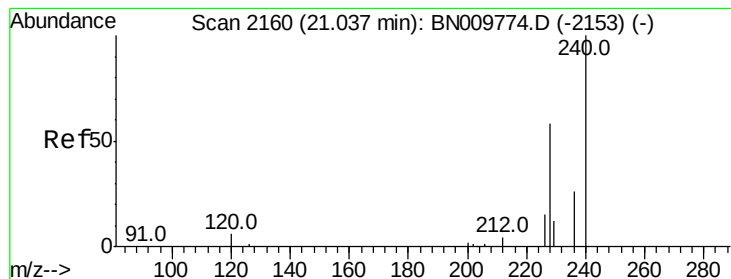


Abundance Ion 202.00 (201.70 to 202.70): E

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: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

BNA_N

ClientSampleId :

TP9-EP2-3MSD

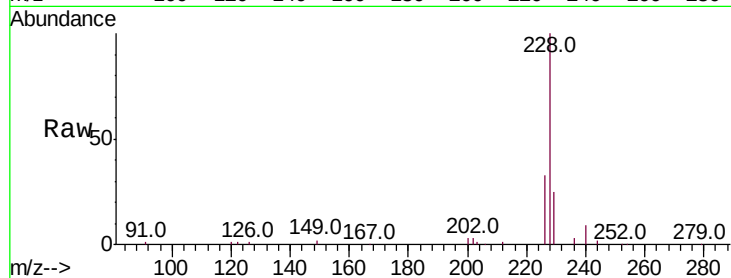
Tot Ion:240 Resp: 7681

Ion Ratio Lower Upper

240 100

120 13.4 7.9 11.9#

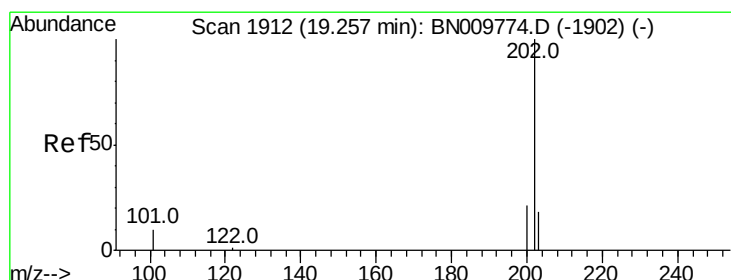
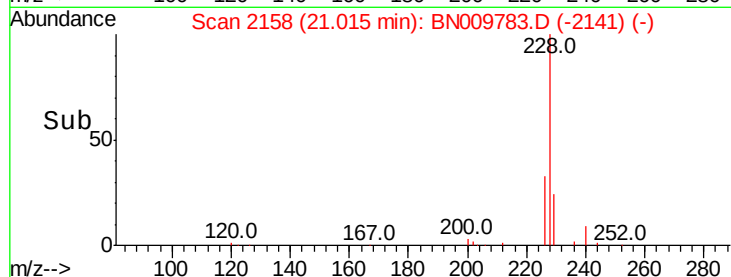
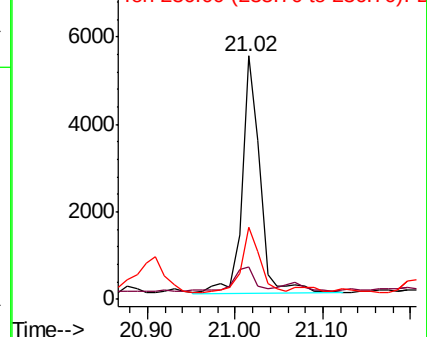
236 29.5 22.0 33.0



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: 17.363 ng

RT: 19.24 min Scan# 1908

Delta R.T. -0.02 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

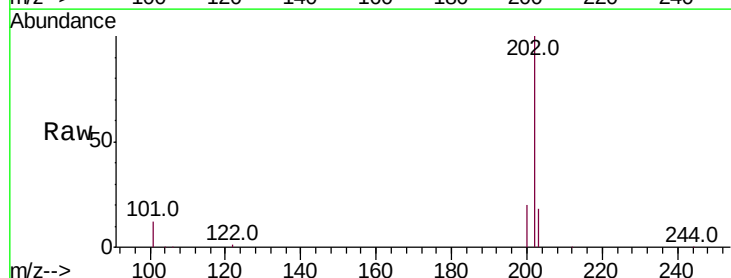
Tgt Ion:202 Resp: 506411

Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

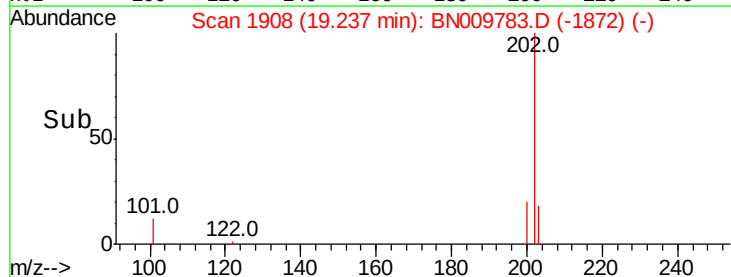
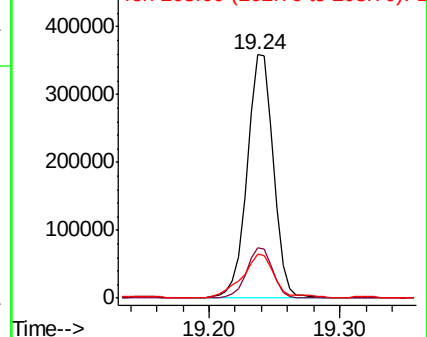
203 22.1 13.9 20.9#

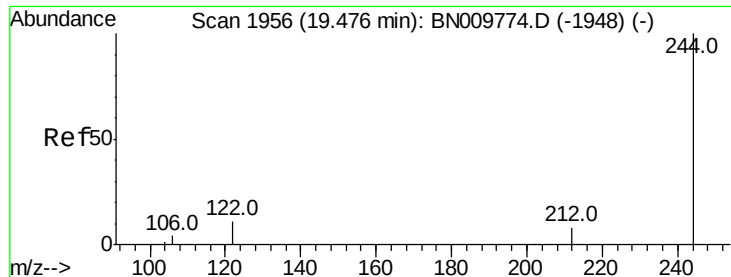


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.395 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.02 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

BNA_N

ClientSampleId :

TP9-EP2-3MSD

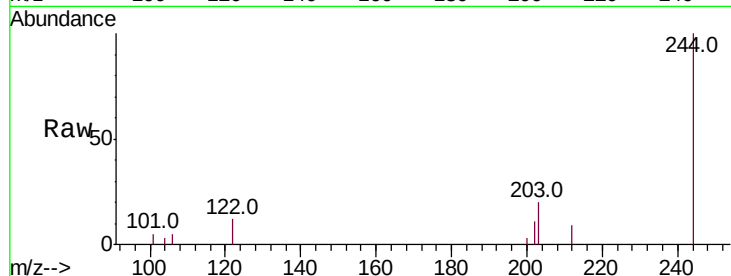
Tot Ion:244 Resp: 7256

Ion Ratio Lower Upper

244 100

212 8.8 8.0 12.0

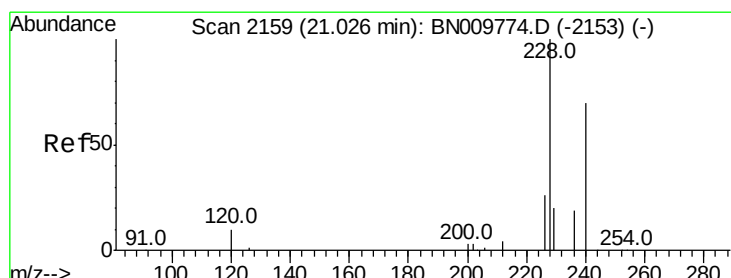
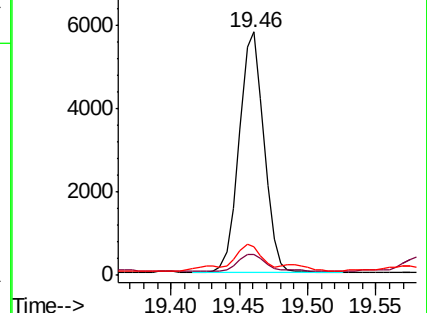
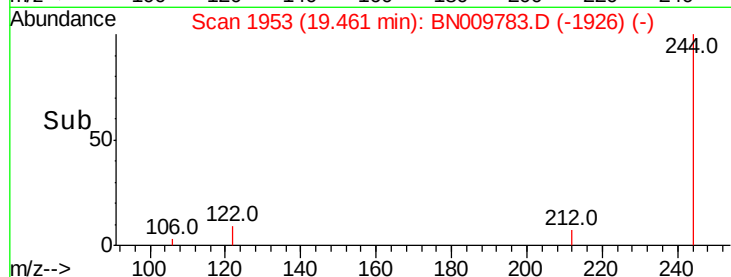
122 11.7 10.0 15.0



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: 12.811 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.02 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

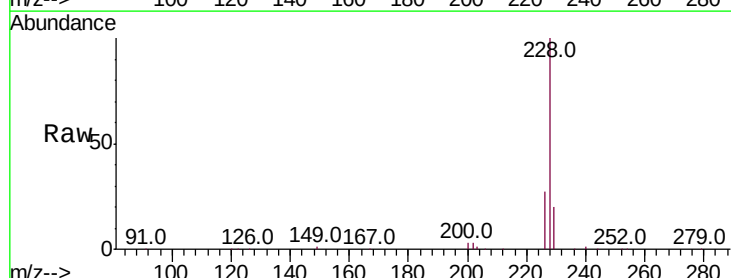
Tgt Ion:228 Resp: 326560

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.8

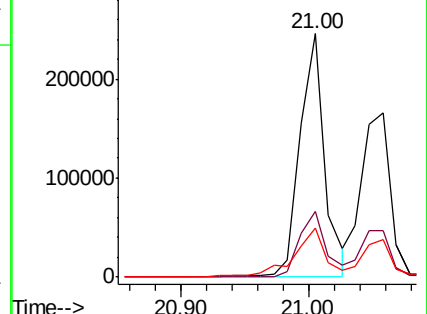
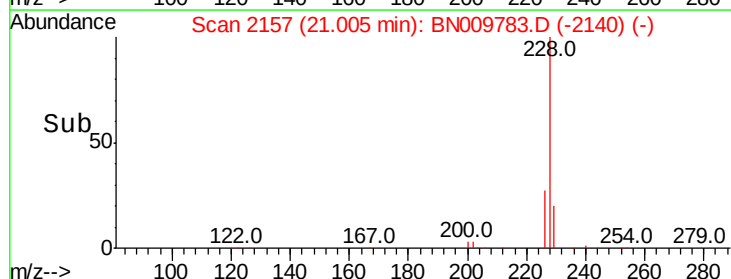
229 20.3 17.1 25.7

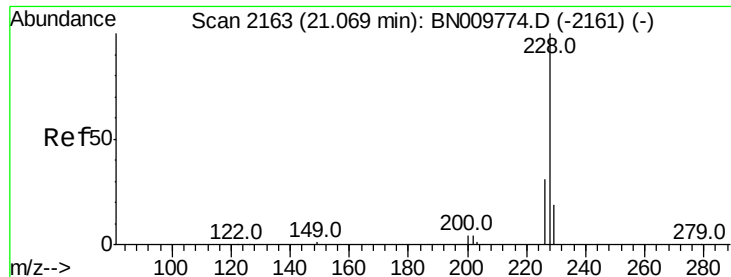


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 8.766 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

BNA_N

ClientSampleId :

TP9-EP2-3MSD

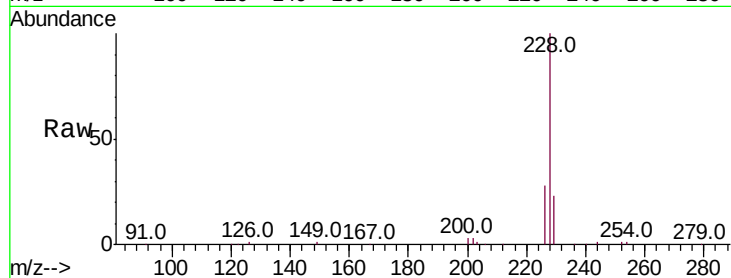
Tot Ion:228 Resp: 258502

Ion Ratio Lower Upper

228 100

226 28.3 24.8 37.2

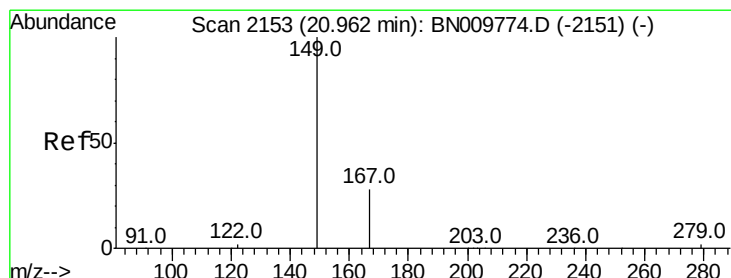
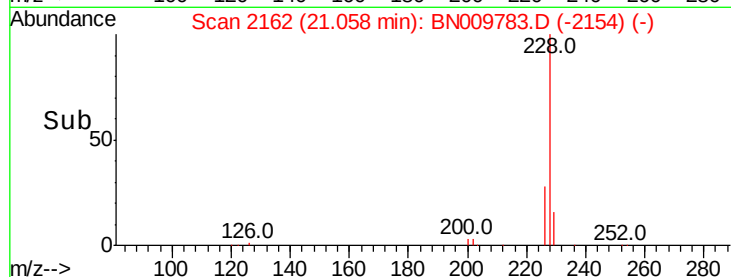
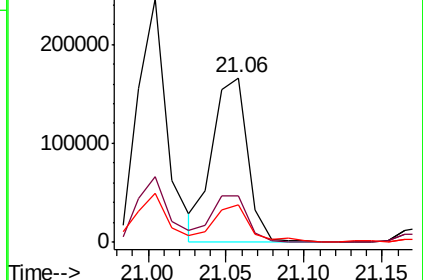
229 22.6 16.4 24.6



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: 0.560 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.00 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

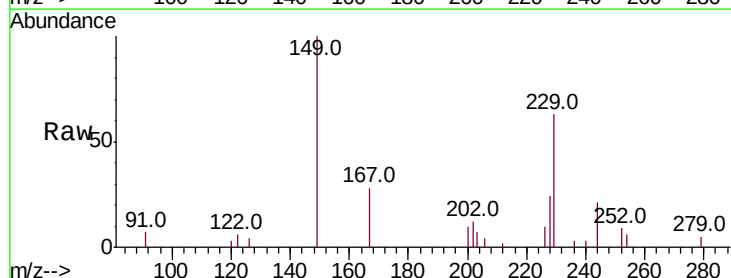
Tgt Ion:149 Resp: 6971

Ion Ratio Lower Upper

149 100

167 27.4 22.7 34.1

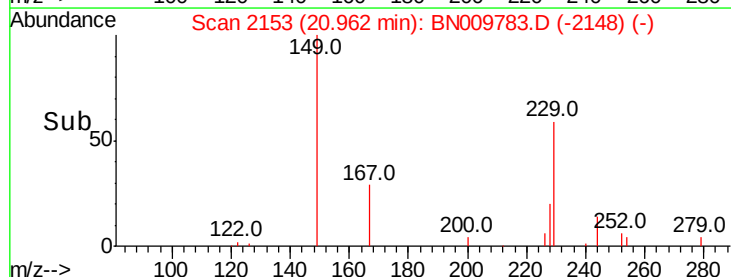
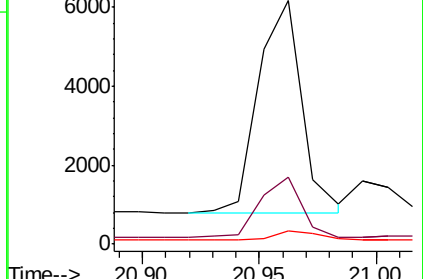
279 4.1 3.1 4.7

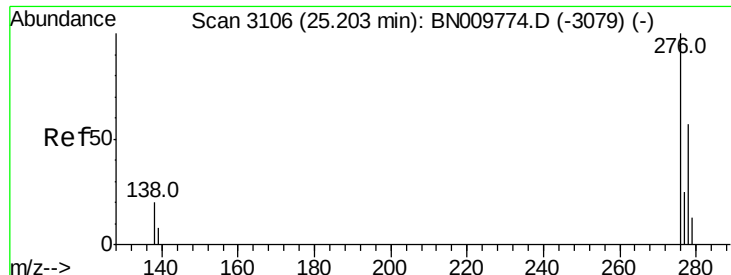


Abundance Ion 149.00 (148.70 to 149.70): E

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: 2.961 ng

RT: 25.17 min Scan# 3096

Delta R.T. -0.03 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

BNA_N

ClientSampleId :

TP9-EP2-3MSD

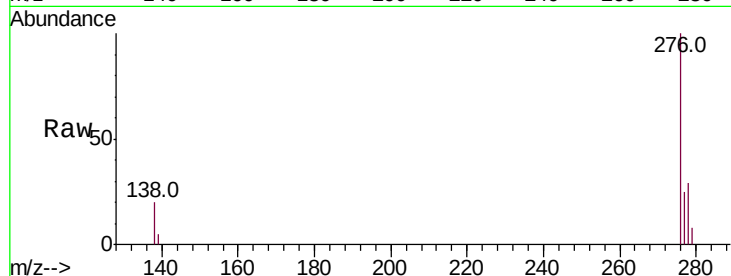
Tot Ion:276 Resp: 90928

Ion Ratio Lower Upper

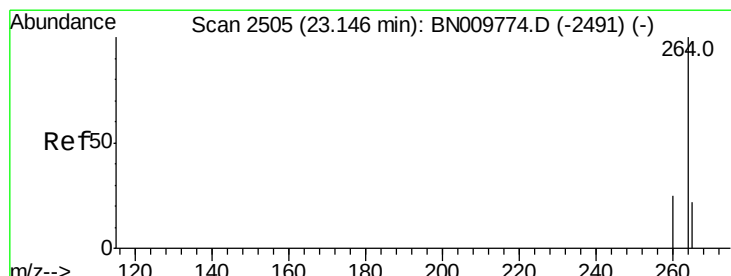
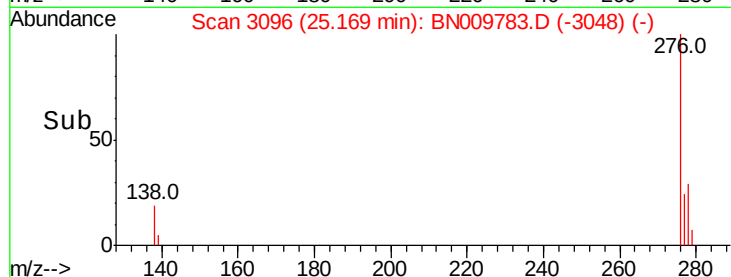
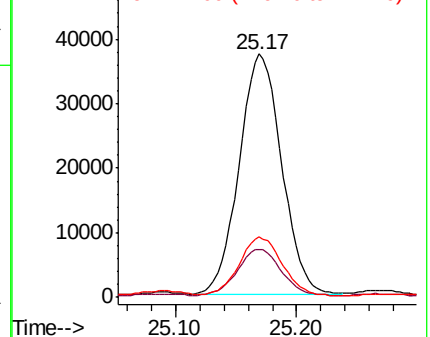
276 100

138 21.2 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: 23.12 min Scan# 2498

Delta R.T. -0.02 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

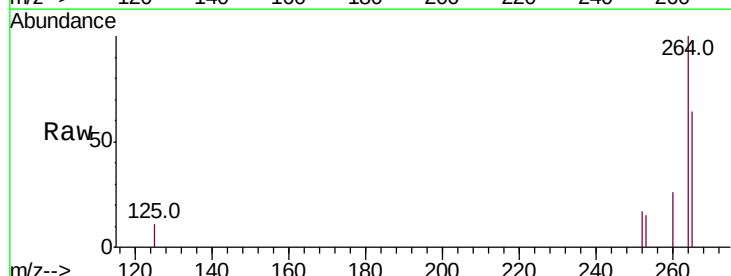
Tgt Ion:264 Resp: 7224

Ion Ratio Lower Upper

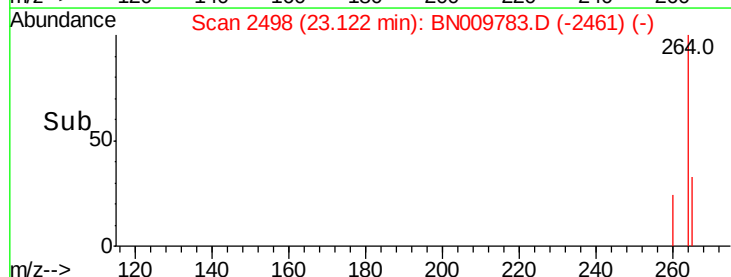
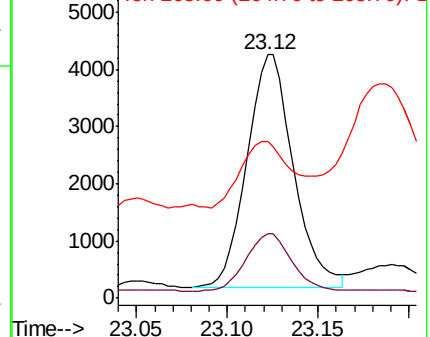
264 100

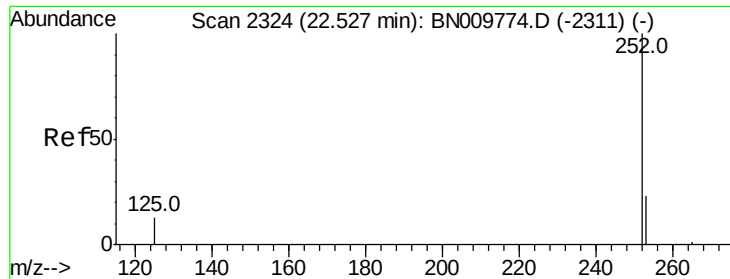
260 26.5 21.1 31.7

265 64.4 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

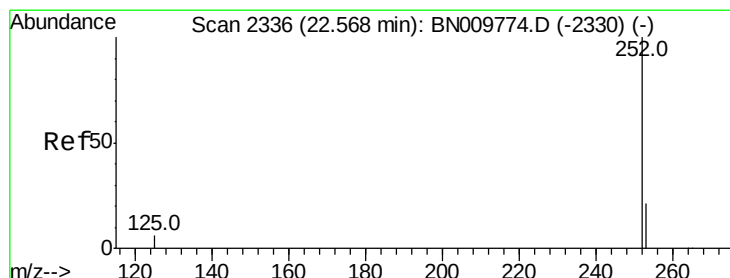
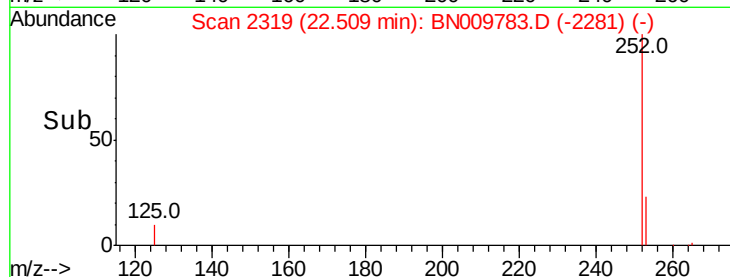
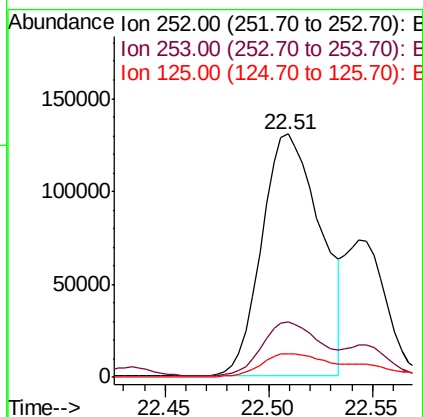
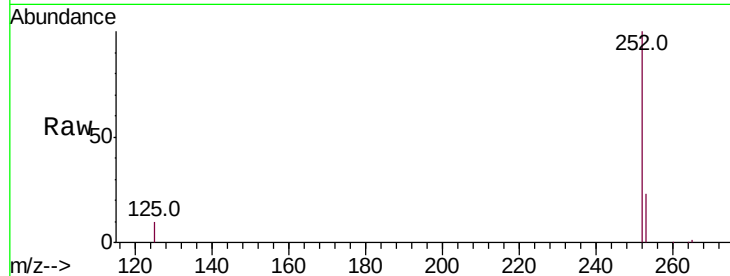




#35
Benzo(b)fluoranthene
Concen: 9.720 ng
RT: 22.51 min Scan# 2319
Delta R.T. -0.02 min
Lab File: BN009783.D
Acq: 19 Feb 2020 18:34

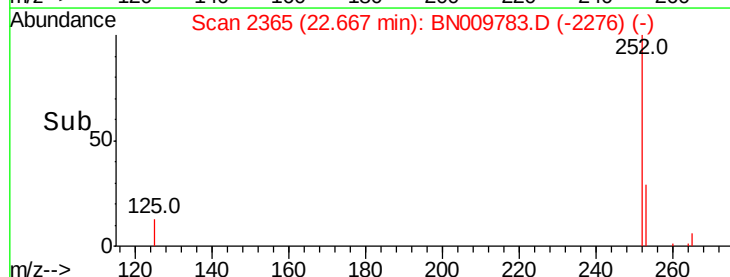
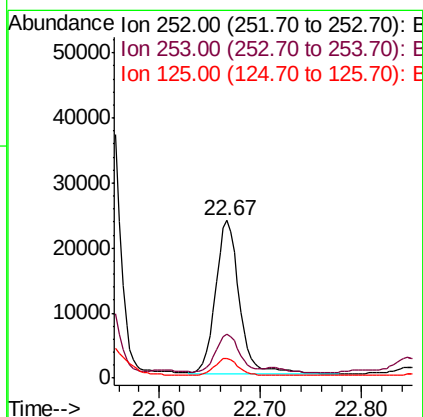
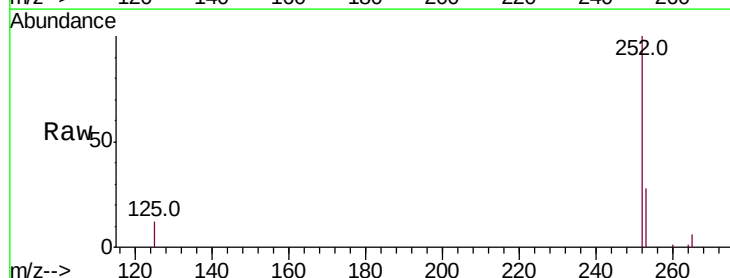
Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MSD

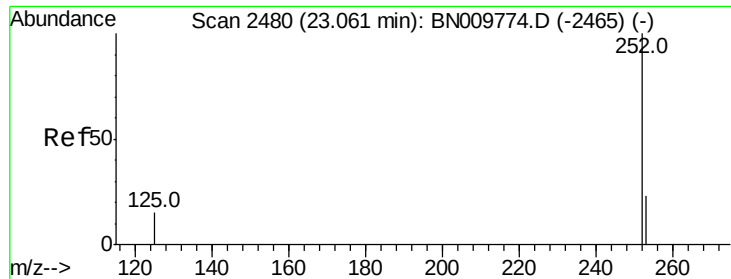
Tot Ion:252 Resp: 256707
Ion Ratio Lower Upper
252 100
253 22.8 23.0 34.6#
125 9.8 14.4 21.6#



#36
Benzo(k)fluoranthene
Concen: 1.328 ng
RT: 22.67 min Scan# 2365
Delta R.T. 0.10 min
Lab File: BN009783.D
Acq: 19 Feb 2020 18:34

Tgt Ion:252 Resp: 38194
Ion Ratio Lower Upper
252 100
253 27.9 22.2 33.2
125 12.3 10.5 15.7





#37

Benzo(a)pyrene

Concen: 7.373 ng

RT: 23.03 min Scan# 2472

Delta R.T. -0.03 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

BNA_N

ClientSampleId :

TP9-EP2-3MSD

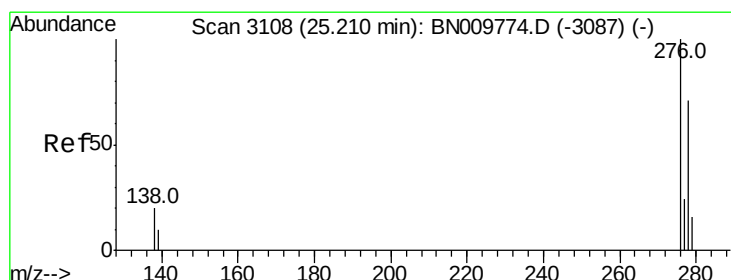
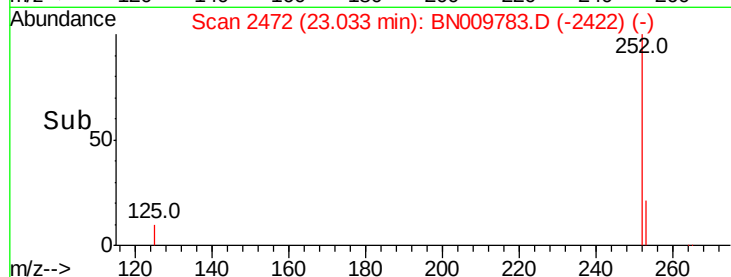
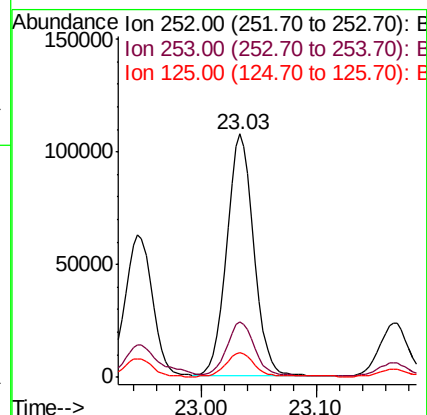
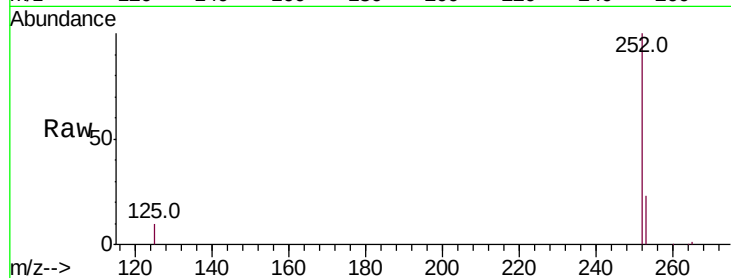
Tot Ion:252 Resp: 177672

Ion Ratio Lower Upper

252 100

253 23.0 25.3 37.9#

125 10.1 17.7 26.5#



#38

Dibenzo(a,h)anthracene

Concen: 1.398 ng

RT: 25.17 min Scan# 3097

Delta R.T. -0.04 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

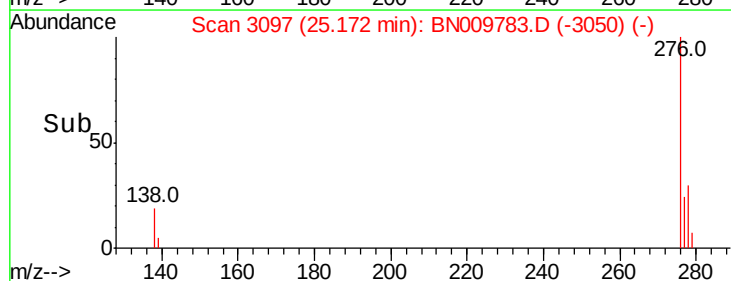
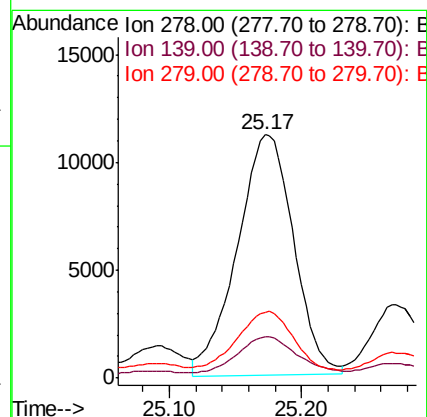
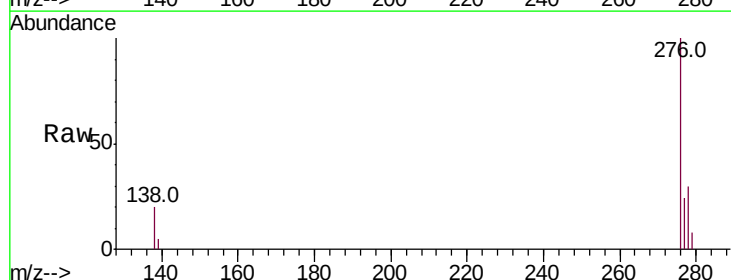
Tgt Ion:278 Resp: 33167

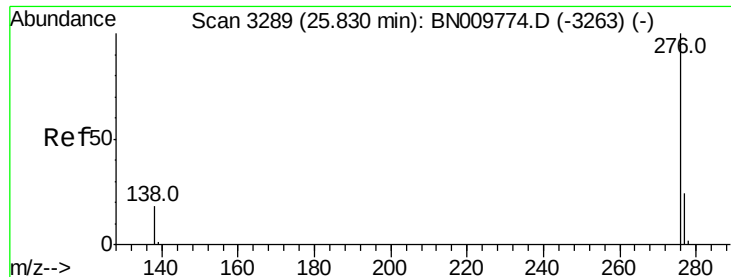
Ion Ratio Lower Upper

278 100

139 17.3 14.5 21.7

279 27.2 24.3 36.5





#39

Benzo(a,h,i)perylene

Concen: 3.171 ng

RT: 25.79 min Scan# 3278

Delta R.T. -0.04 min

Lab File: BN009783.D

Acq: 19 Feb 2020 18:34

Instrument :

BNA_N

ClientSampleId :

TP9-EP2-3MSD

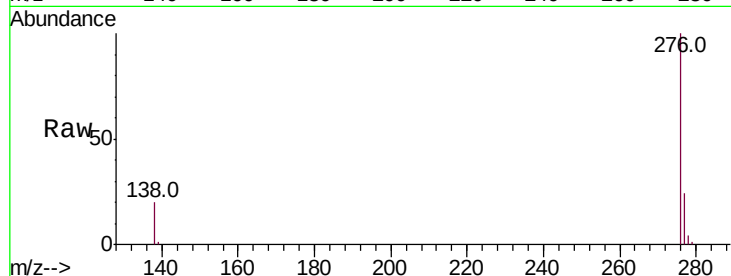
Tot Ion:276 Resp: 80138

Ion Ratio Lower Upper

276 100

277 24.0 21.4 32.0

138 19.6 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

