

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\
 Data File : BN009772.D
 Acq On : 19 Feb 2020 11:08
 Operator : CG/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 19 13:53:30 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 13:45:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	958	0.40	ng	0.00
7) Naphthalene-d8	10.19	136	3184	0.40	ng	0.01
13) Acenaphthene-d10	14.06	164	2008	0.40	ng	0.00
19) Phenanthrene-d10	16.83	188	4732	0.40	ng	0.01
27) Chrysene-d12	21.04	240	4189	0.40	ng	0.00
34) Perylene-d12	23.15	264	4237	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.09	112	232	0.11	ng	0.00
5) Phenol-d6	6.68	99	246	0.10	ng	0.03
8) Nitrobenzene-d5	8.63	82	236	0.09	ng	0.04
11) 2-Methylnaphthalene-d10	11.80	152	587	0.10	ng	0.02
14) 2,4,6-Tribromophenol	15.60	330	76	0.10	ng	0.01
15) 2-Fluorobiphenyl	12.70	172	728	0.10	ng	0.01
25) Fluoranthene-d10	18.87	212	1576	0.10	ng	0.00
29) Terphenyl-d14	19.48	244	1029	0.10	ng	0.00

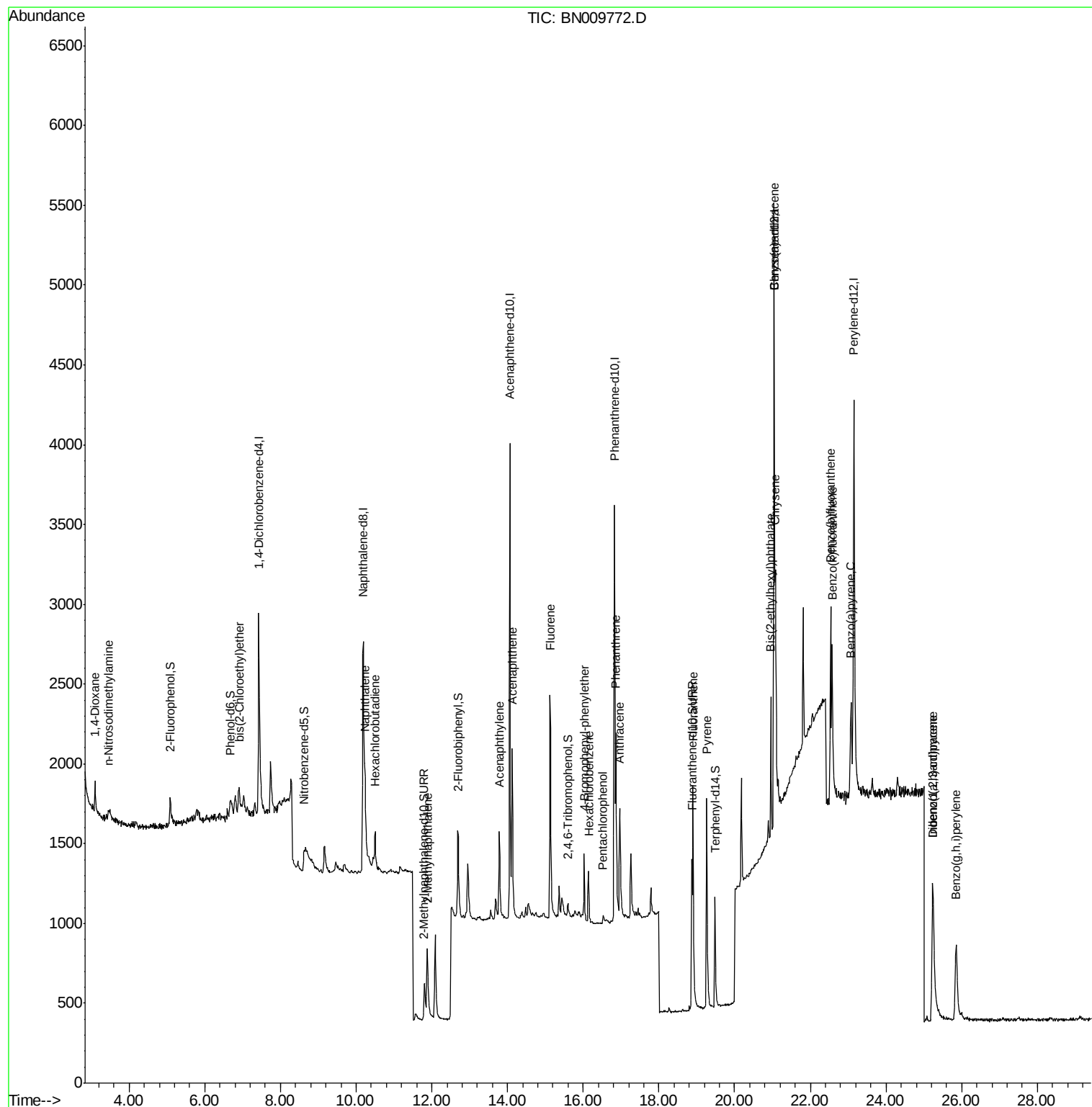
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.10	88	98	0.098	ng	98
3) n-Nitrosodimethylamine	3.46	42	50	0.032	ng	# 15
6) bis(2-Chloroethyl)ether	6.90	93	272	0.104	ng	# 80
9) Naphthalene	10.24	128	926	0.107	ng	# 76
10) Hexachlorobutadiene	10.51	225	205	0.108	ng	# 92
12) 2-Methylnaphthalene	11.88	142	582	0.097	ng	# 95
16) Acenaphthylene	13.78	152	792	0.091	ng	97
17) Acenaphthene	14.12	154	609	0.100	ng	98
18) Fluorene	15.13	166	788	0.099	ng	99
20) 4-Bromophenyl-phenylether	16.03	248	507	0.178	ng	95
21) Hexachlorobenzene	16.15	284	292	0.096	ng	95
22) Pentachlorophenol	16.53	266	43	0.050	ng	85
23) Phenanthrene	16.87	178	1423	0.100	ng	98
24) Anthracene	16.96	178	1091	0.091	ng	98
26) Fluoranthene	18.90	202	1652	0.099	ng	99
28) Pyrene	19.27	202	1689	0.106	ng	100
30) Benzo(a)anthracene	21.04	228	1256	0.091	ng	92
31) Chrysene	21.08	228	1658	0.105	ng	# 93
32) Bis(2-ethylhexyl)phthalate	20.96	149	794	0.130	ng	97
33) Indeno(1,2,3-cd)pyrene	25.23	276	1528	0.093	ng	98
35) Benzo(b)fluoranthene	22.54	252	1464	0.094	ng	# 72
36) Benzo(k)fluoranthene	22.58	252	1621	0.094	ng	# 65
37) Benzo(a)pyrene	23.08	252	1388	0.101	ng	# 59
38) Dibenzo(a,h)anthracene	25.24	278	1214	0.088	ng	# 63
39) Benzo(g,h,i)perylene	25.85	276	1412	0.093	ng	# 82

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

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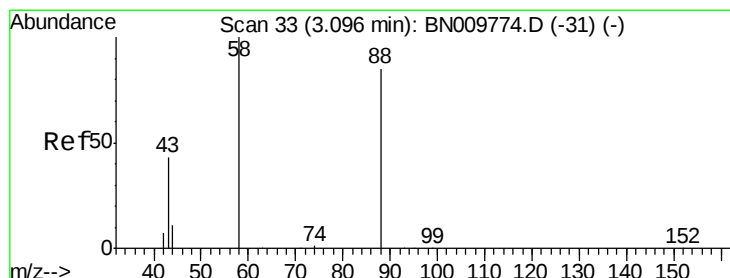
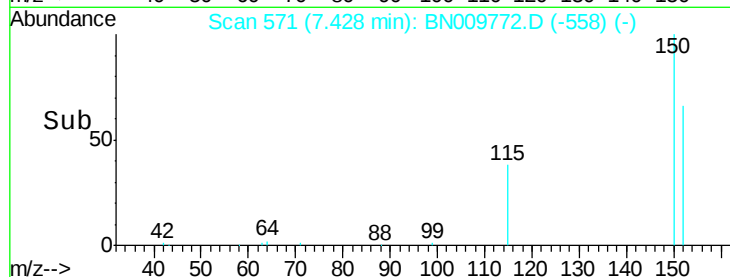
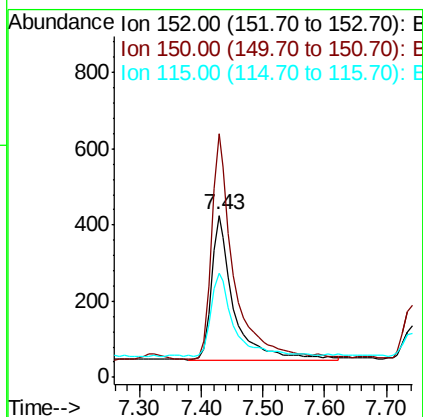
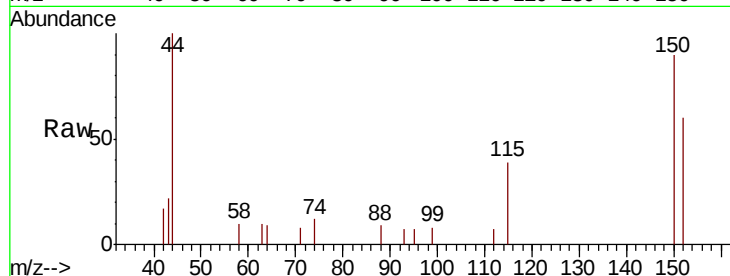


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 571
Delta R.T. 0.01 min
Lab File: BN009772.D
Acq: 19 Feb 2020 11:08

Instrument :
BNA_N
ClientSampleId :

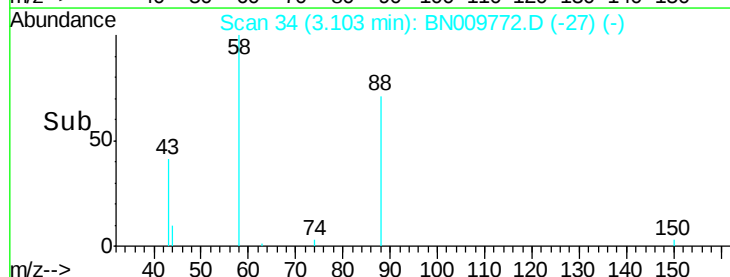
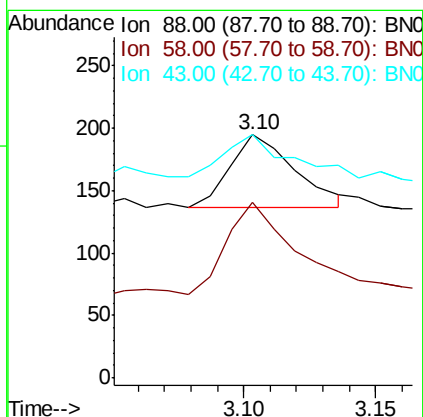
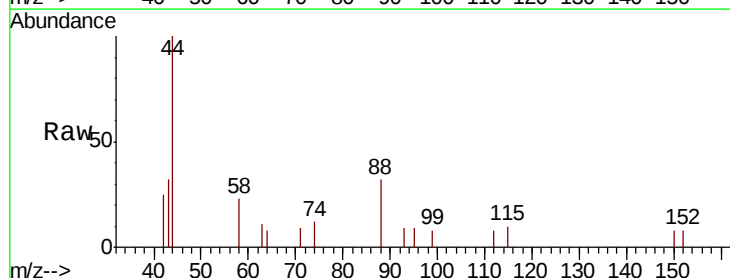
Tot Ion:152 Resp: 958
Ion Ratio Lower Upper
152 100
150 150.0 120.6 181.0
115 64.3 51.2 76.8

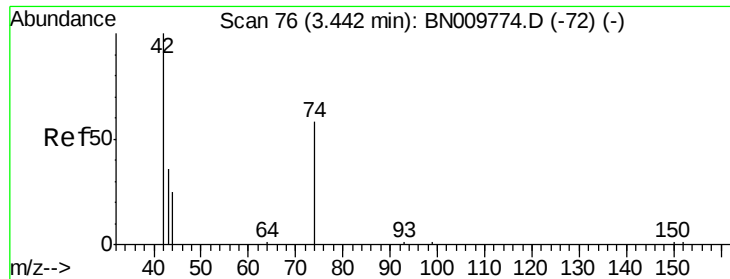


#2

1,4-Dioxane
Concen: 0.098 ng
RT: 3.10 min Scan# 34
Delta R.T. 0.01 min
Lab File: BN009772.D
Acq: 19 Feb 2020 11:08

Tgt Ion: 88 Resp: 98
Ion Ratio Lower Upper
88 100
58 121.4 97.8 146.8
43 53.1 45.1 67.7





#3

n-Nitrosodimethylamine

Concen: 0.032 ng

RT: 3.46 min Scan# 78

Delta R.T. 0.02 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

Instrument :

BNA_N

ClientSampleId :

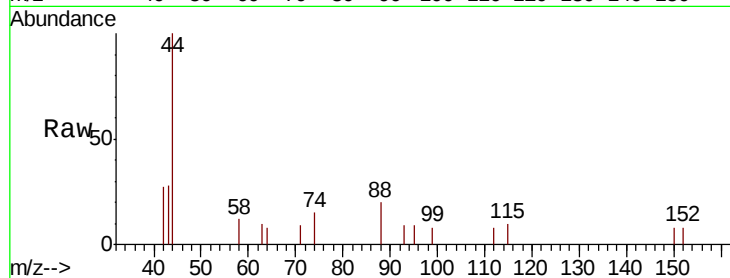
Tot Ion: 42 Resp: 50

Ion Ratio Lower Upper

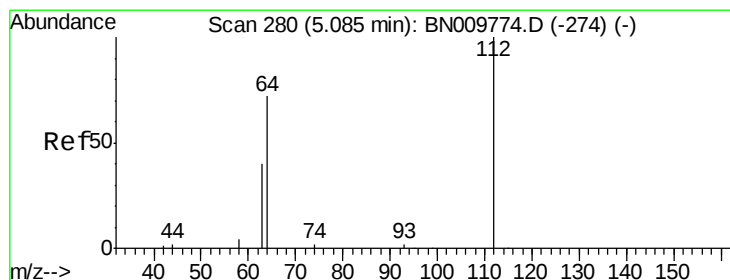
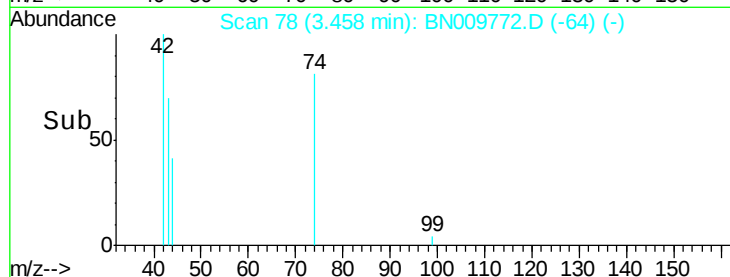
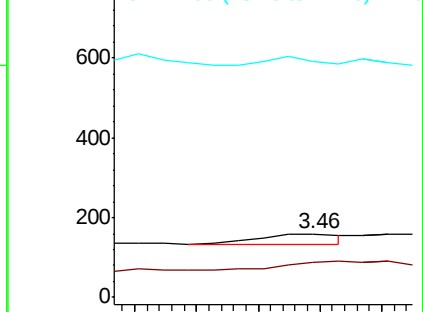
42 100

74 0.0 51.2 76.8#

44 50.0 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: 0.105 ng

RT: 5.09 min Scan# 281

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

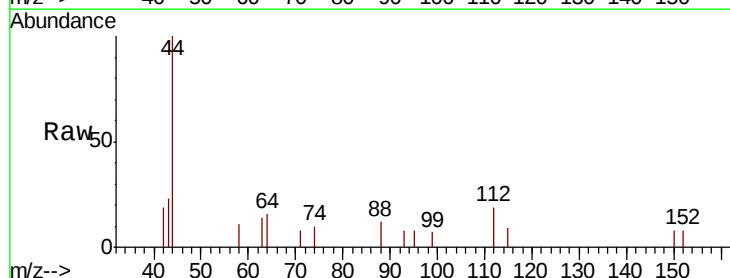
Tgt Ion: 112 Resp: 232

Ion Ratio Lower Upper

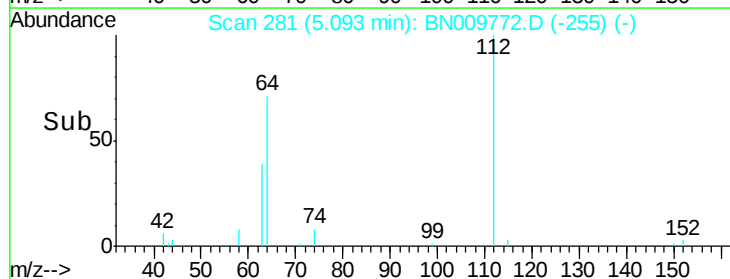
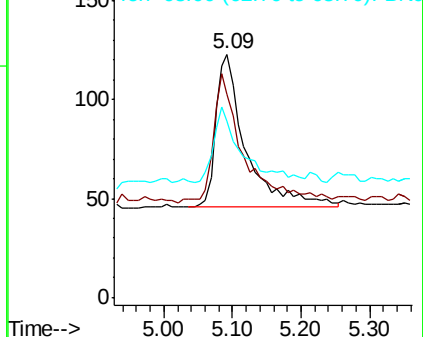
112 100

64 87.1 65.8 98.6

63 42.2 38.7 58.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.096 ng

RT: 6.68 min Scan# 478

Delta R.T. 0.03 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

Instrument :

BNA_N

ClientSampleId :

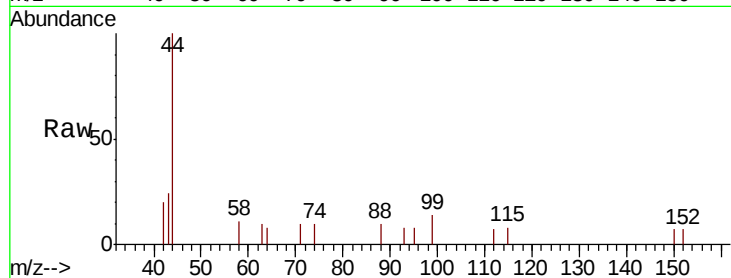
Tot Ion: 99 Resp: 246

Ion Ratio Lower Upper

99 100

42 54.9 30.8 46.2#

71 0.0 34.9 52.3#



Abundance Ion 99.00 (98.70 to 99.70): BN009772.D (-468) (-)

Ion 42.00 (41.70 to 42.70): BN009772.D (-468) (-)

Ion 71.00 (70.70 to 71.70): BN009772.D (-468) (-)

6.68

150

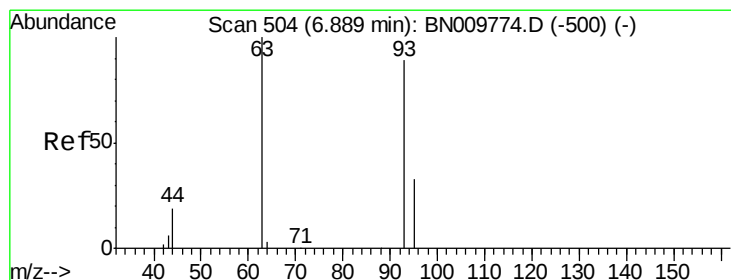
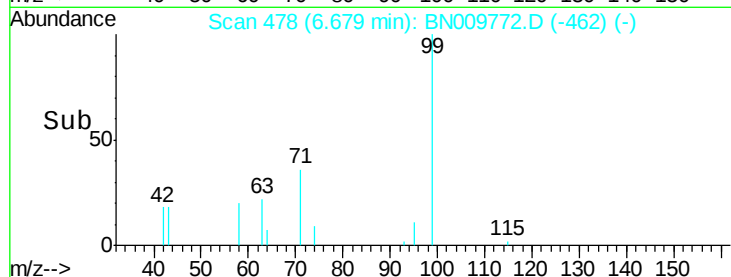
100

50

0

6.60 6.70 6.80

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.104 ng

RT: 6.90 min Scan# 506

Delta R.T. 0.02 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

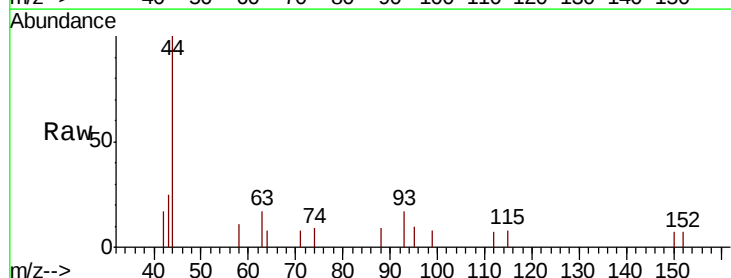
Tgt Ion: 93 Resp: 272

Ion Ratio Lower Upper

93 100

63 71.3 74.0 111.0#

95 26.1 26.7 40.1#



Abundance Ion 93.00 (92.70 to 93.70): BN009772.D (-479) (-)

Ion 63.00 (62.70 to 63.70): BN009772.D (-479) (-)

Ion 95.00 (94.70 to 95.70): BN009772.D (-479) (-)

6.90

200

150

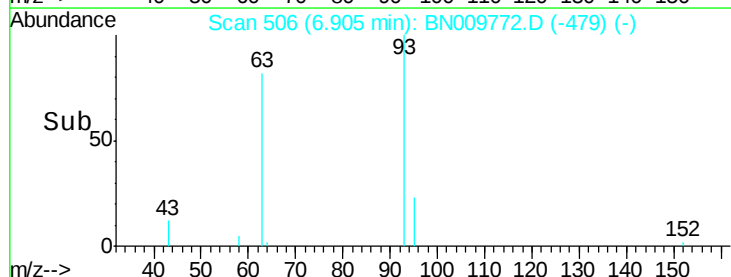
100

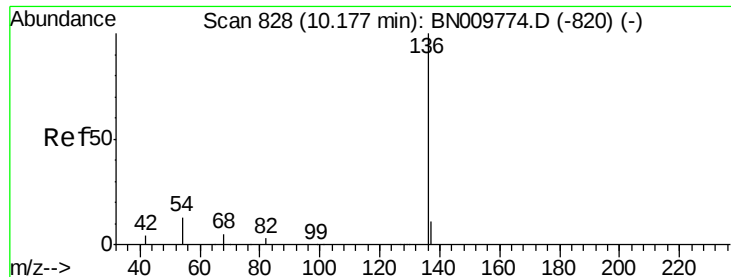
50

0

6.80 6.90 7.00 7.10

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 829

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 3184

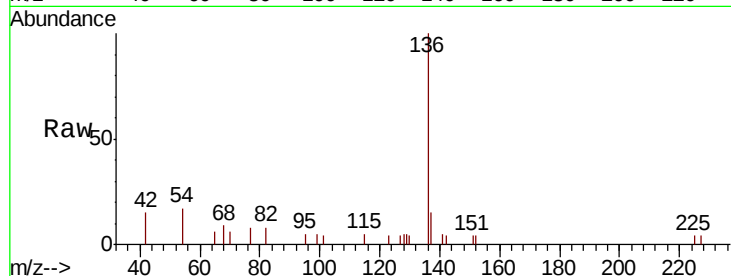
Ion Ratio Lower Upper

136 100

137 14.7 11.3 16.9

54 16.7 13.4 20.2

68 9.3 7.0 10.4

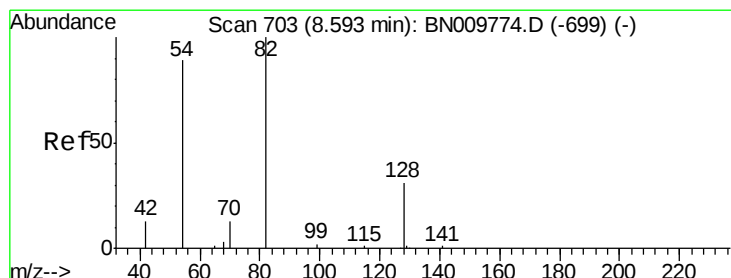
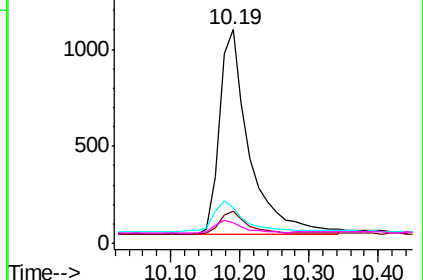
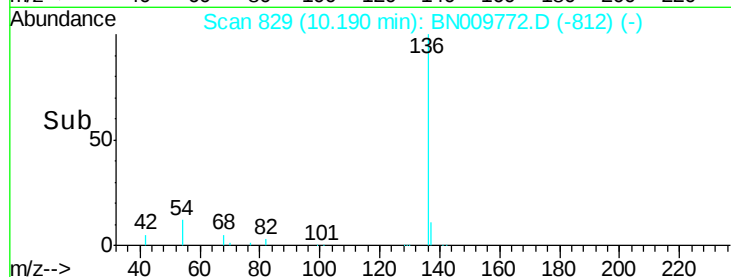


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.093 ng

RT: 8.63 min Scan# 706

Delta R.T. 0.04 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

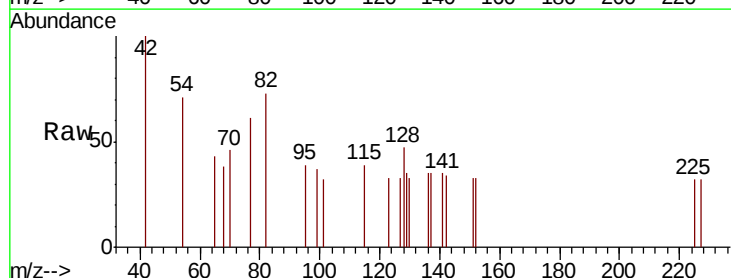
Tgt Ion: 82 Resp: 236

Ion Ratio Lower Upper

82 100

128 64.4 32.5 48.7#

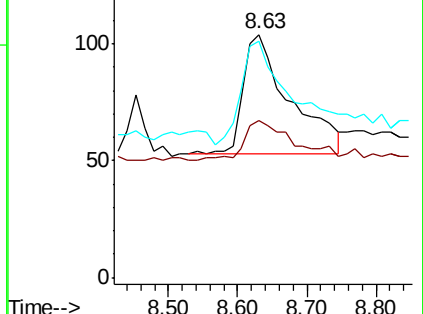
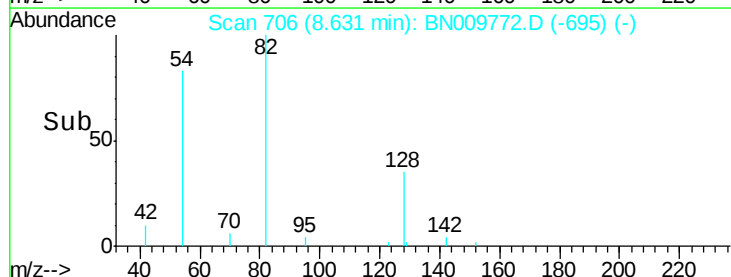
54 97.1 73.5 110.3

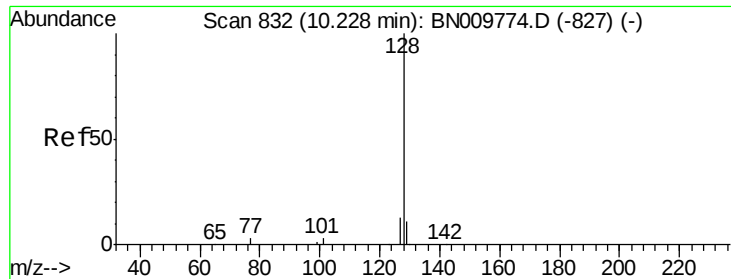


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

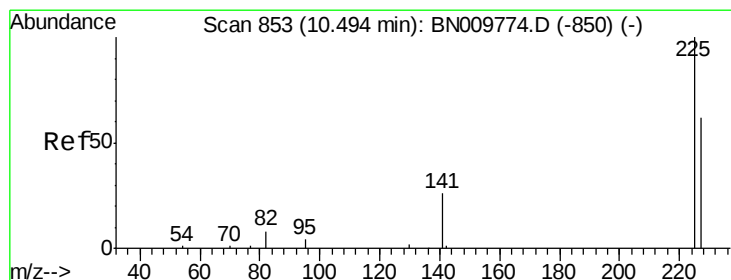
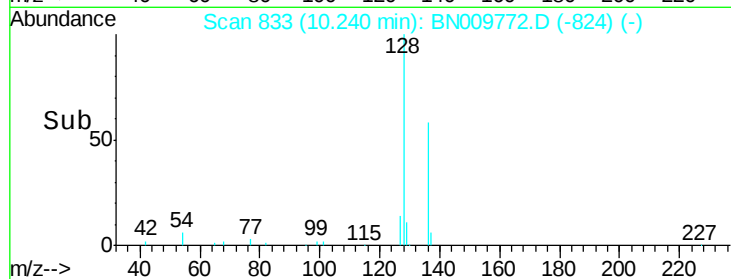
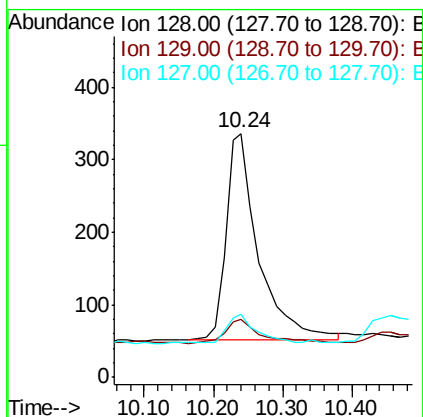
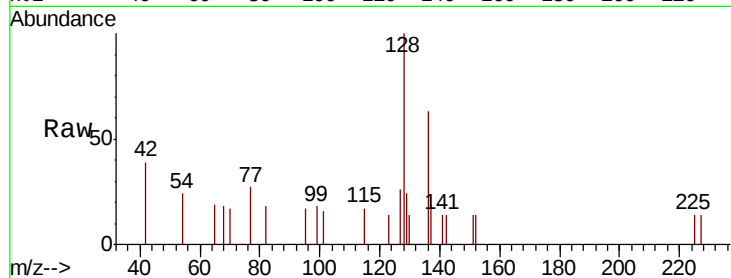




#9
Naphthalene
Concen: 0.107 ng
RT: 10.24 min Scan# 833
Delta R.T. 0.01 min
Lab File: BN009772.D
Acq: 19 Feb 2020 11:08

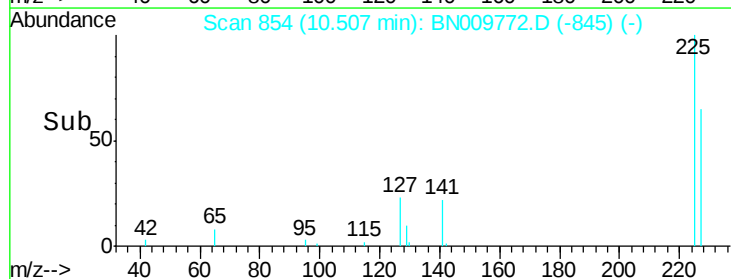
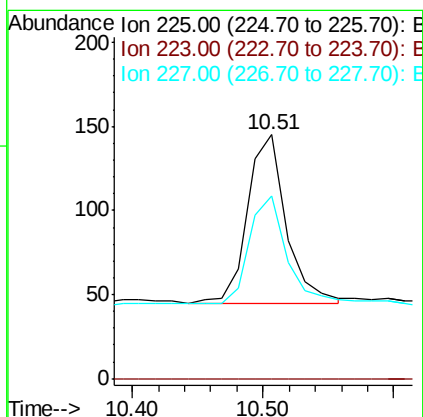
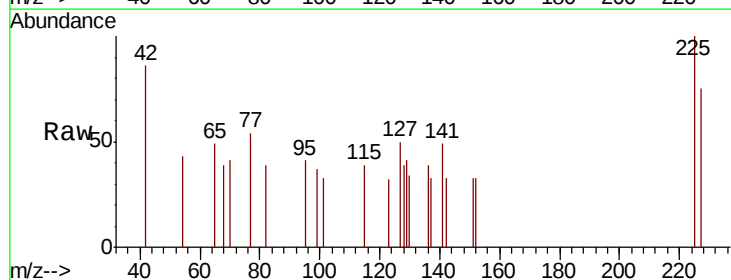
Instrument :
BNA_N
ClientSampleId :

Tot Ion:128 Resp: 926
Ion Ratio Lower Upper
128 100
129 23.8 11.1 16.7#
127 25.9 12.6 19.0#



#10
Hexachlorobutadiene
Concen: 0.108 ng
RT: 10.51 min Scan# 854
Delta R.T. 0.01 min
Lab File: BN009772.D
Acq: 19 Feb 2020 11:08

Tgt Ion:225 Resp: 205
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 60.0 53.4 80.2





#11

2-Methylnaphthalene-d10

Concen: 0.095 ng

RT: 11.80 min Scan# 999

Delta R.T. 0.02 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

Instrument :

BNA_N

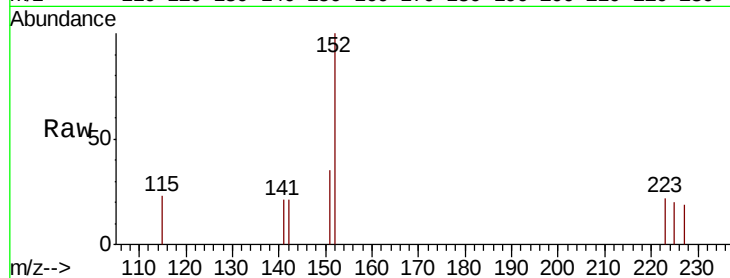
ClientSampleId :

Tot Ion:152 Resp: 587

Ion Ratio Lower Upper

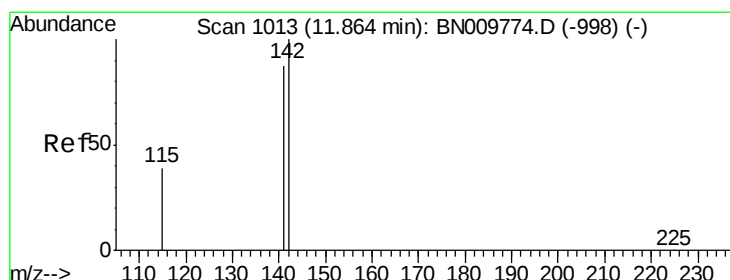
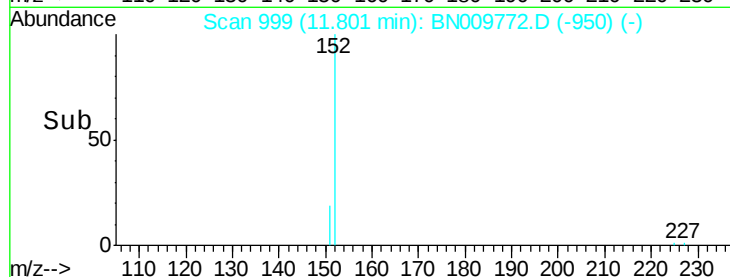
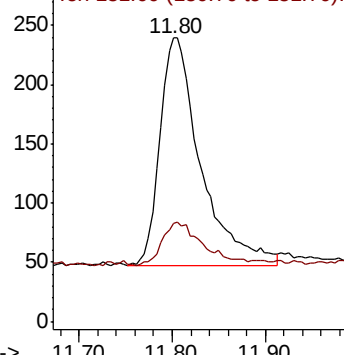
152 100

151 19.3 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.097 ng

RT: 11.88 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

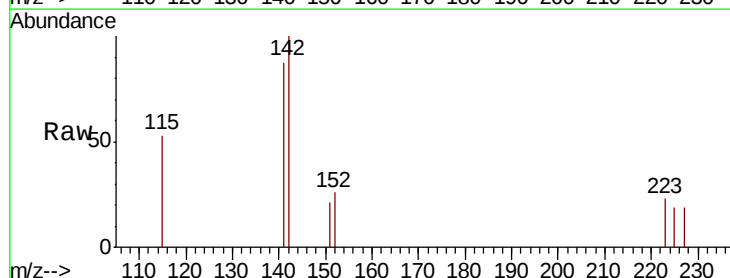
Tgt Ion:142 Resp: 582

Ion Ratio Lower Upper

142 100

141 87.2 69.8 104.6

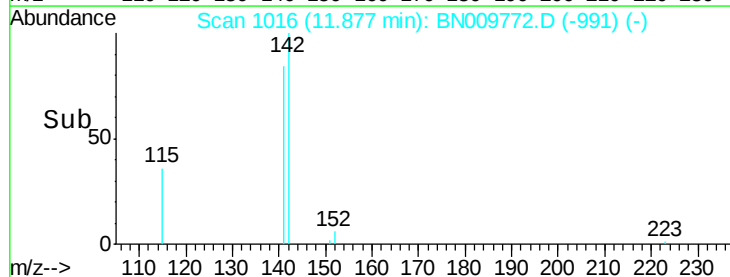
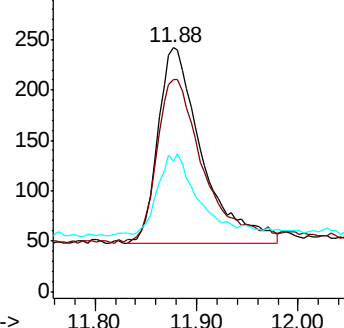
115 53.3 34.6 52.0#



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





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.06 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

Instrument :

BNA_N

ClientSampleId :

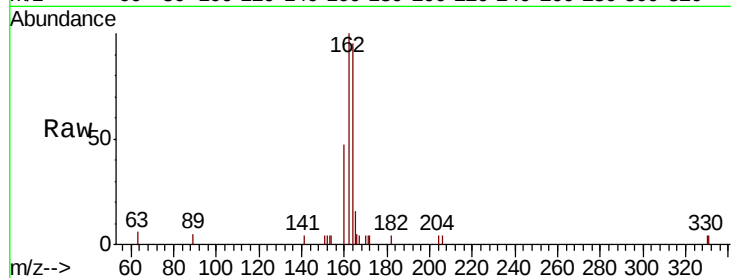
Tot Ion:164 Resp: 2008

Ion Ratio Lower Upper

164 100

162 104.8 79.9 119.9

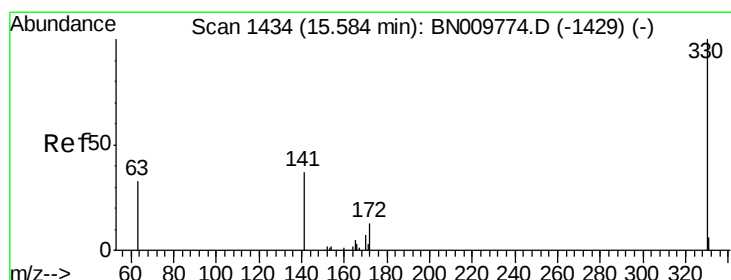
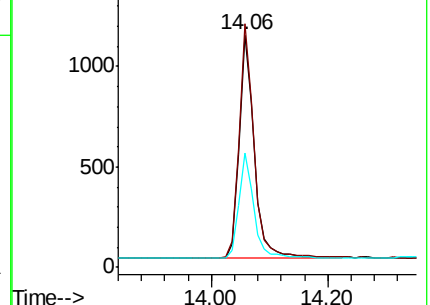
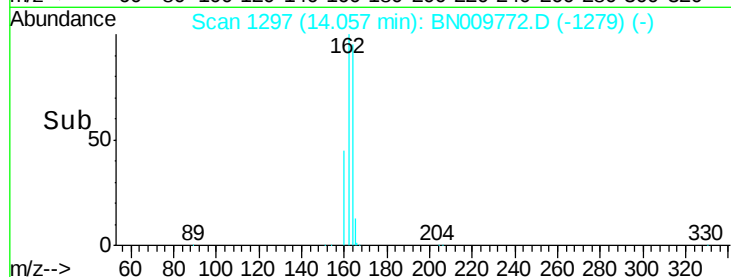
160 49.3 38.2 57.2



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: 0.100 ng

RT: 15.60 min Scan# 1435

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

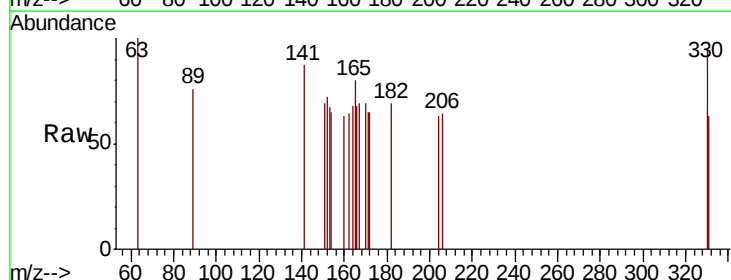
Tgt Ion:330 Resp: 76

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

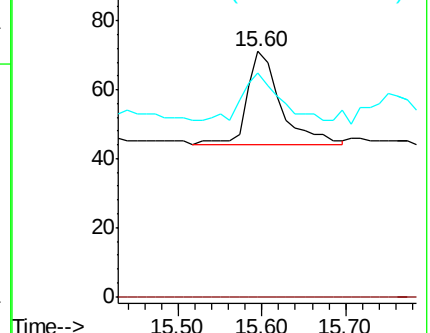
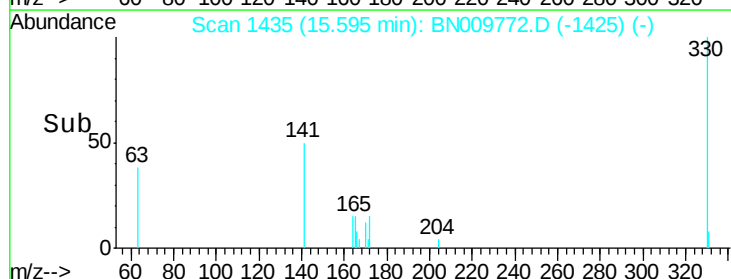
141 53.9 36.8 55.2



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

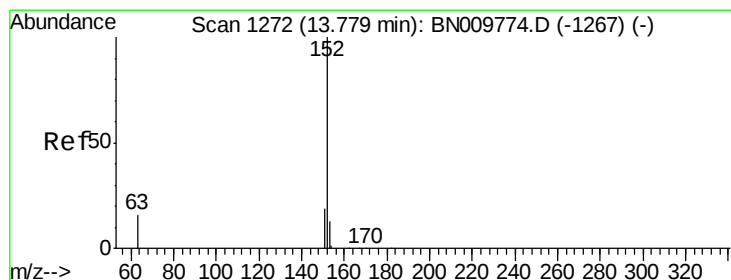
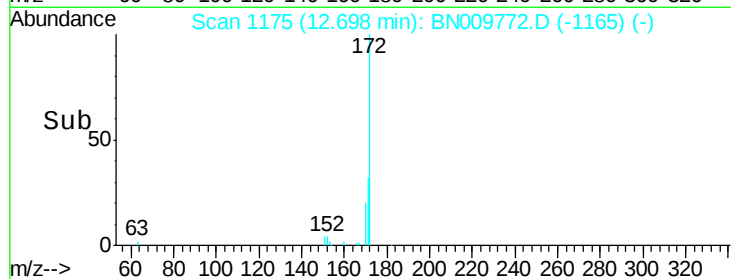
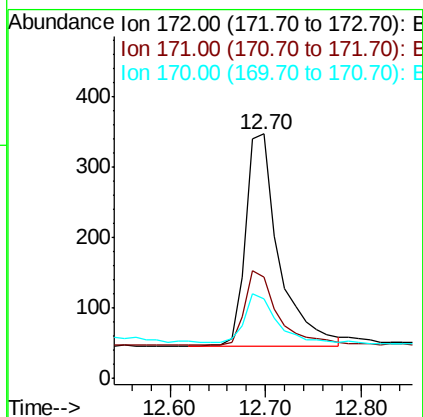
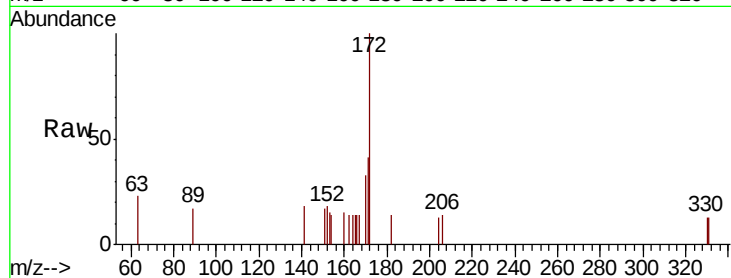




#15
2-Fluorobiphenyl
Concen: 0.097 ng
RT: 12.70 min Scan# 1175
Delta R.T. 0.01 min
Lab File: BN009772.D
Acq: 19 Feb 2020 11:08

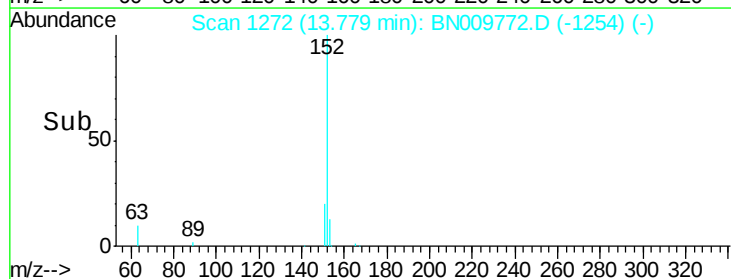
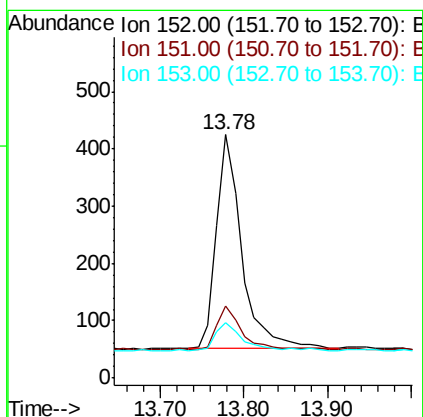
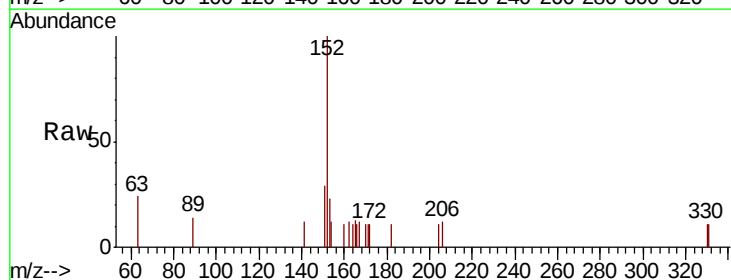
Instrument :
BNA_N
ClientSampleId :

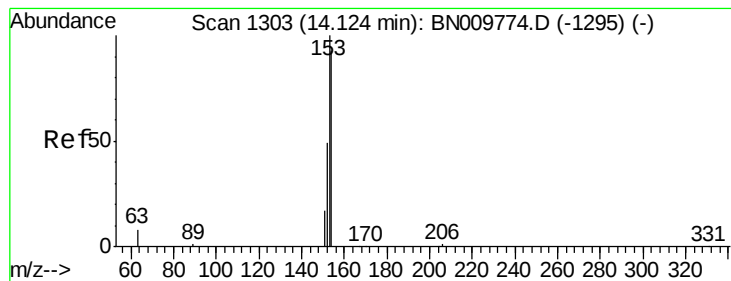
Tot Ion:172 Resp: 728
Ion Ratio Lower Upper
172 100
171 41.2 28.7 43.1
170 32.6 20.1 30.1#



#16
Acenaphthylene
Concen: 0.091 ng
RT: 13.78 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BN009772.D
Acq: 19 Feb 2020 11:08

Tgt Ion:152 Resp: 792
Ion Ratio Lower Upper
152 100
151 21.1 15.8 23.6
153 14.4 10.2 15.4





#17

Acenaphthene

Concen: 0.100 ng

RT: 14.12 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

Instrument :

BNA_N

ClientSampled :

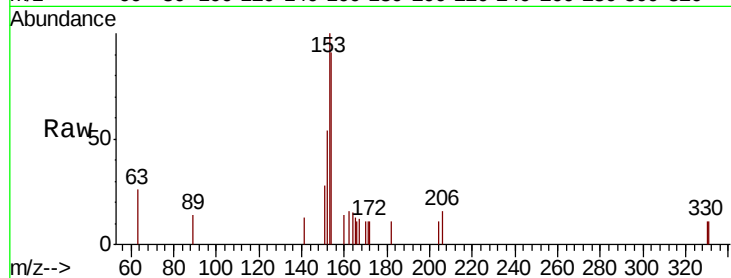
Tot Ion:154 Resp: 609

Ion Ratio Lower Upper

154 100

153 114.0 88.9 133.3

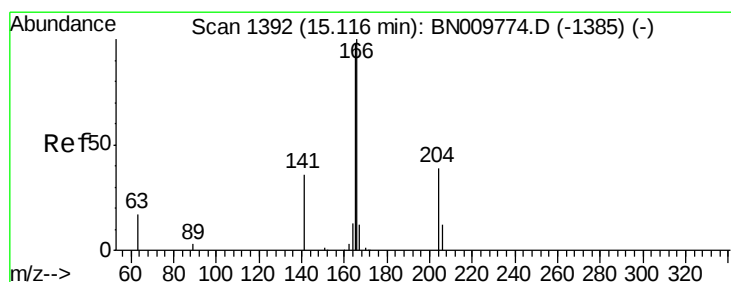
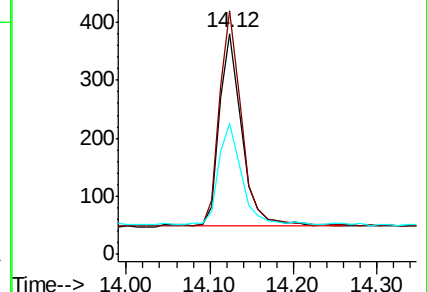
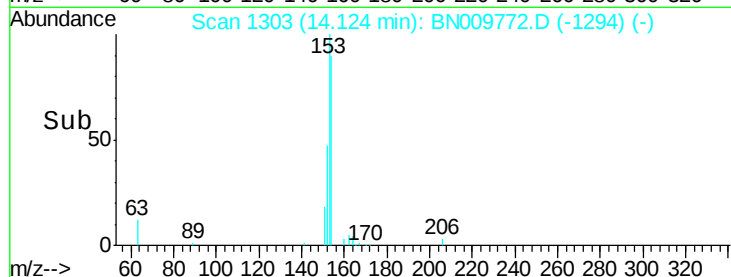
152 54.5 44.2 66.2



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: 0.099 ng

RT: 15.13 min Scan# 1393

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

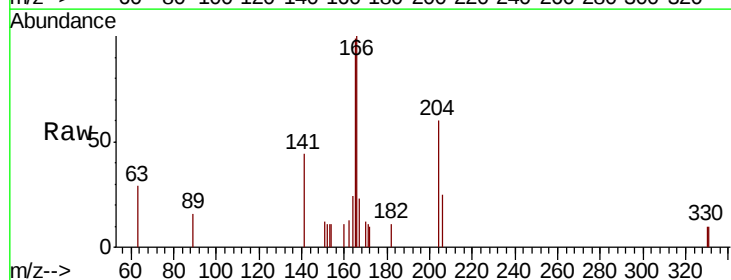
Tgt Ion:166 Resp: 788

Ion Ratio Lower Upper

166 100

165 97.2 77.2 115.8

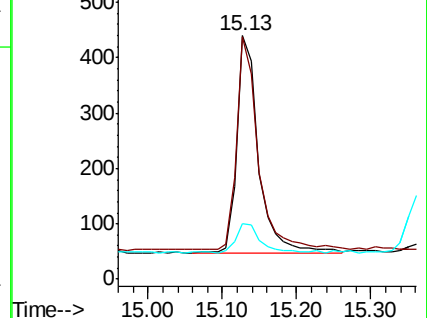
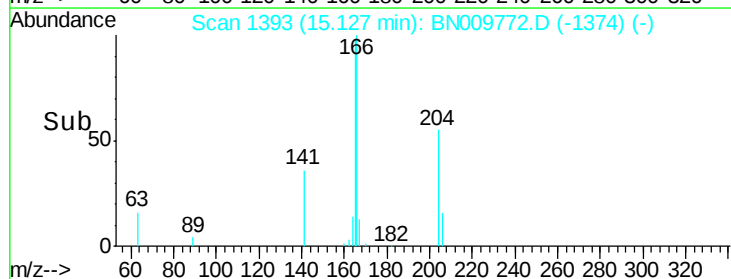
167 14.7 10.5 15.7



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: 16.83 min Scan# 1549

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

Instrument :

BNA_N

ClientSampleId :

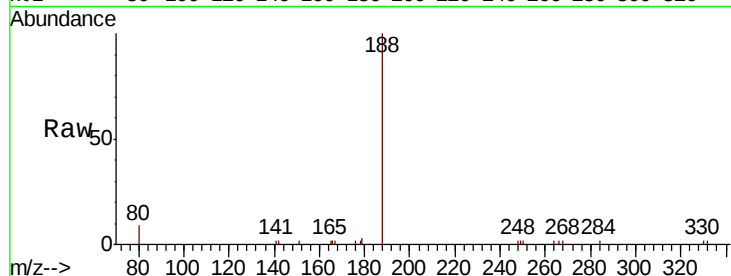
Tot Ion:188 Resp: 4732

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

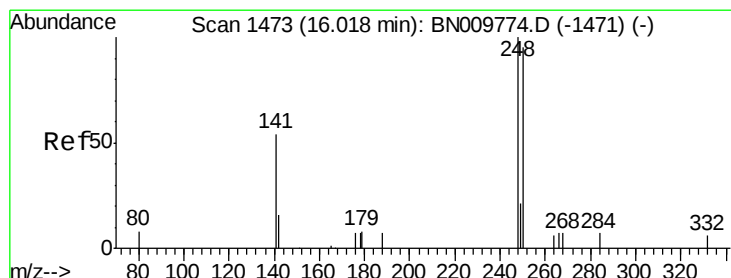
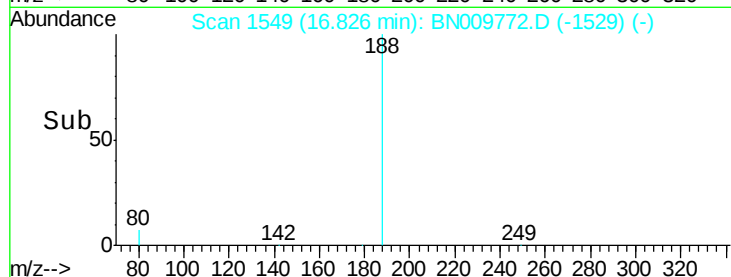
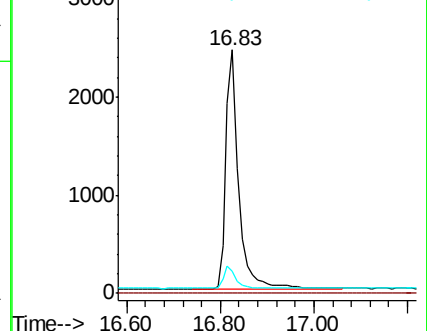
80 9.0 8.3 12.5



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: 0.178 ng

RT: 16.03 min Scan# 1474

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

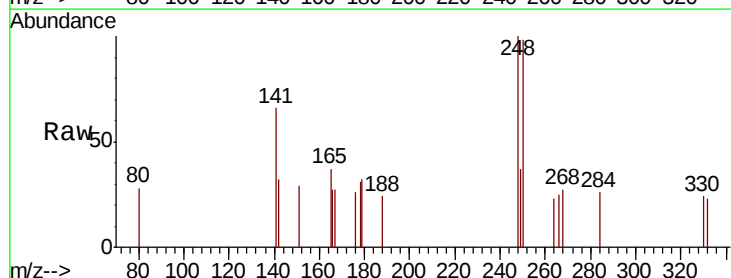
Tgt Ion:248 Resp: 507

Ion Ratio Lower Upper

248 100

250 98.4 76.2 114.4

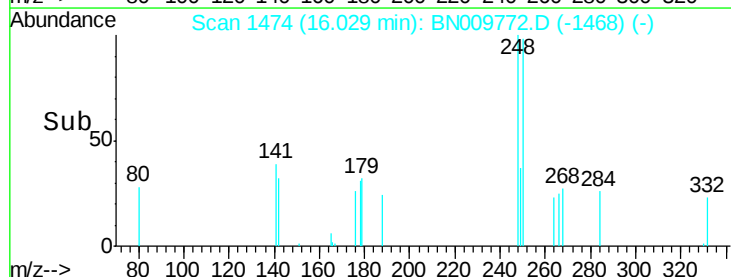
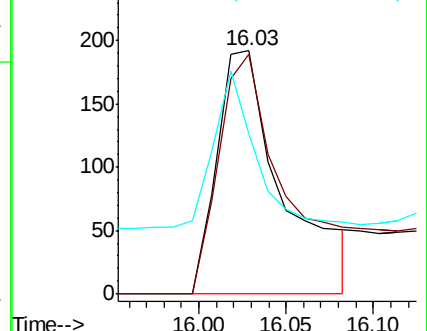
141 65.6 57.8 86.6

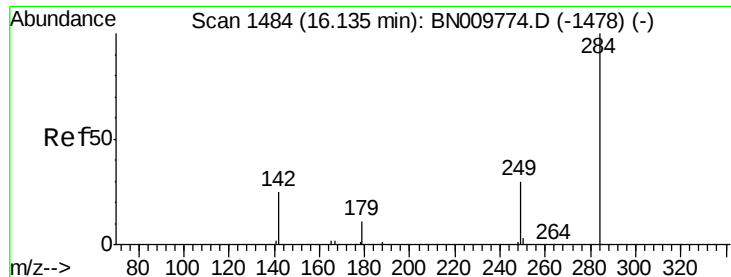


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.096 ng

RT: 16.15 min Scan# 1485

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

Instrument :

BNA_N

ClientSampleId :

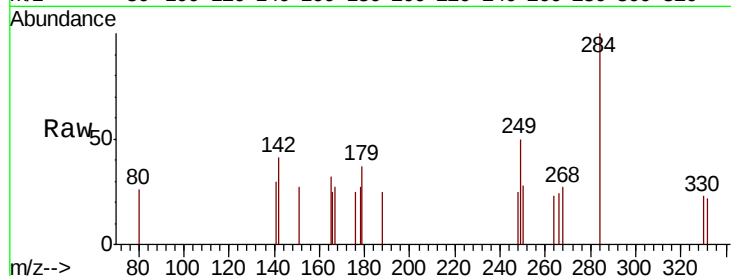
Tot Ion:284 Resp: 292

Ion Ratio Lower Upper

284 100

142 39.0 33.3 49.9

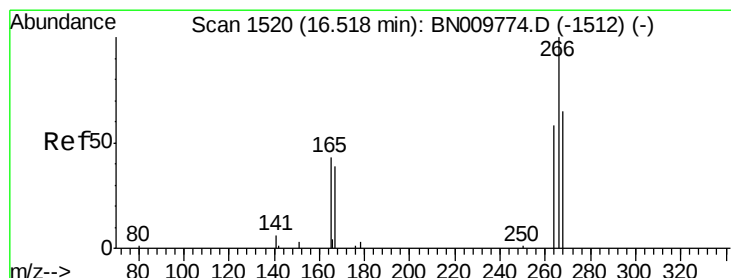
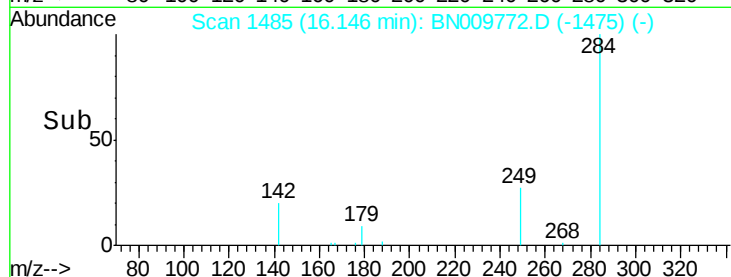
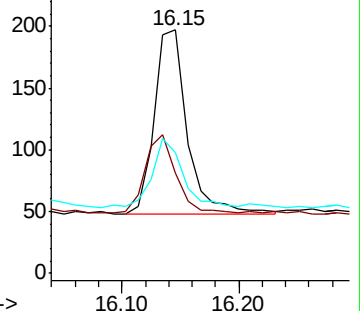
249 35.3 25.7 38.5



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: 0.050 ng

RT: 16.53 min Scan# 1521

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

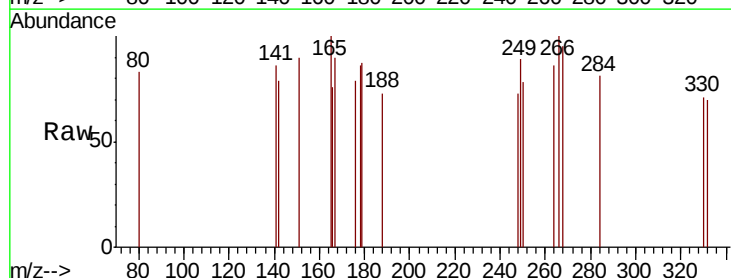
Tgt Ion:266 Resp: 43

Ion Ratio Lower Upper

266 100

264 85.7 58.1 87.1

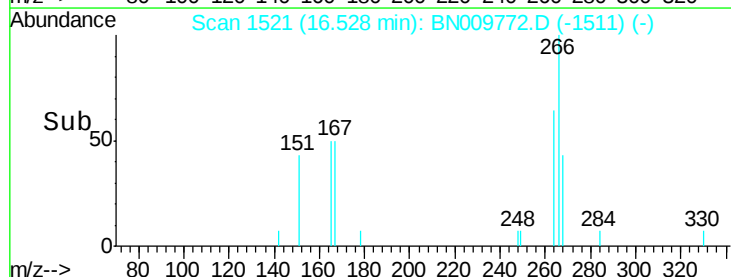
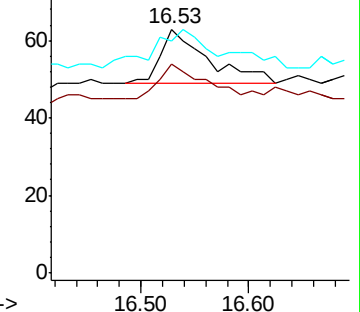
268 95.2 65.7 98.5

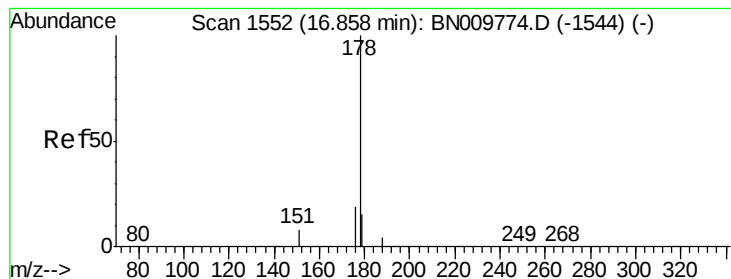


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.100 ng

RT: 16.87 min Scan# 1553

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

Instrument :

BNA_N

ClientSampled :

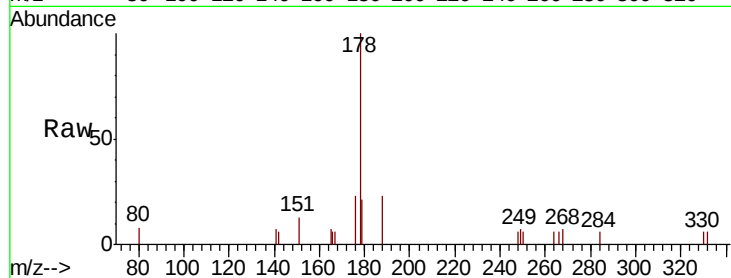
Tot Ion:178 Resp: 1423

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

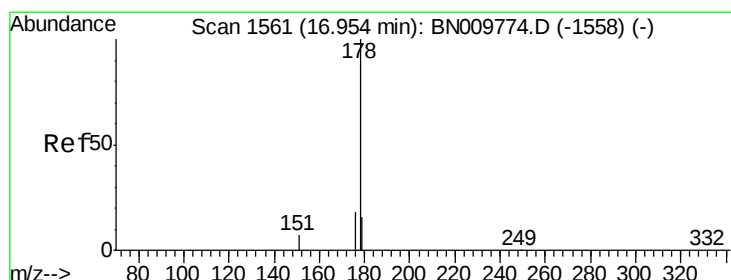
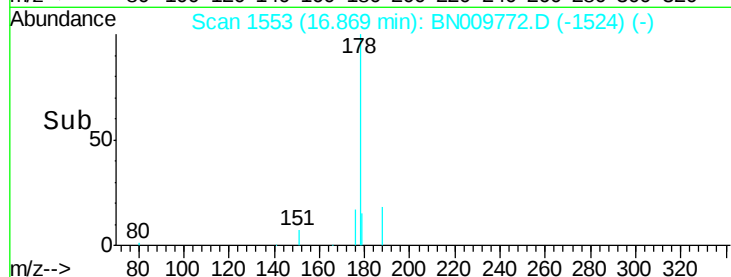
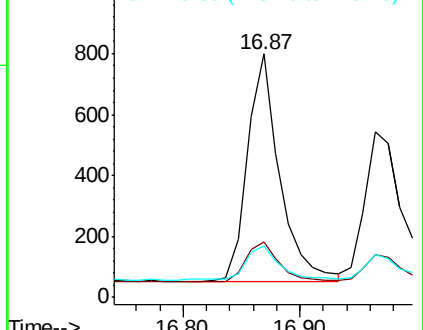
179 16.7 12.4 18.6



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: 0.091 ng

RT: 16.96 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

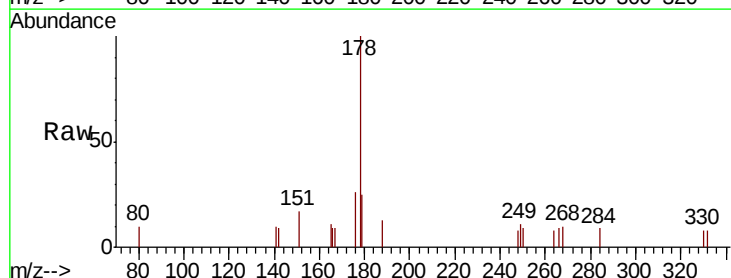
Tgt Ion:178 Resp: 1091

Ion Ratio Lower Upper

178 100

176 18.7 14.3 21.5

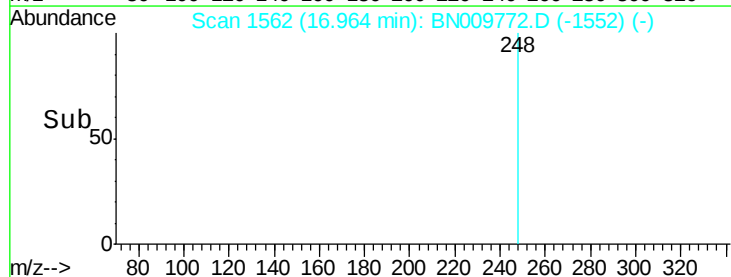
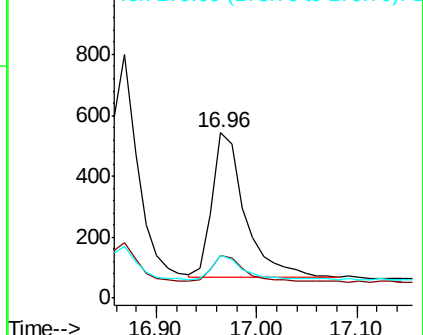
179 16.4 12.4 18.6

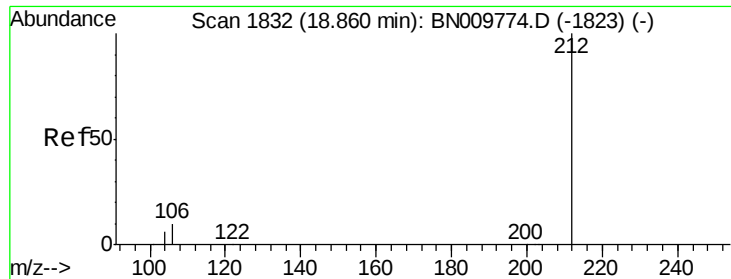


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.097 ng

RT: 18.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

Instrument :

BNA_N

ClientSampleId :

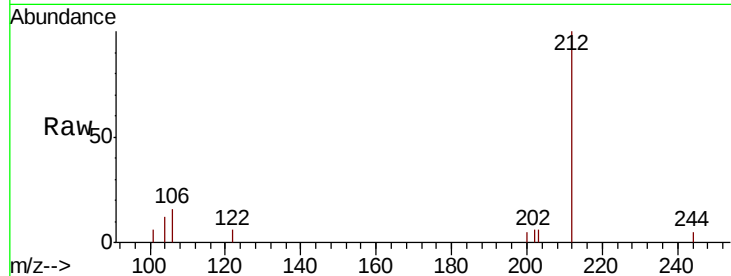
Tot Ion:212 Resp: 1576

Ion Ratio Lower Upper

212 100

106 10.9 8.4 12.6

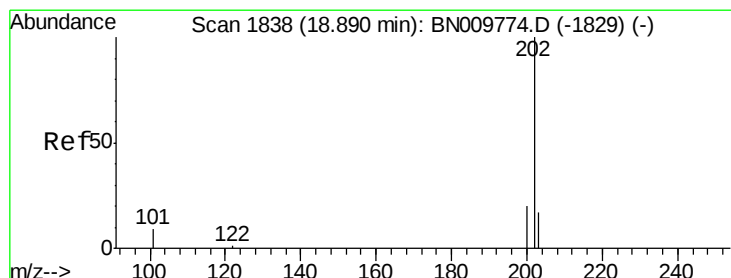
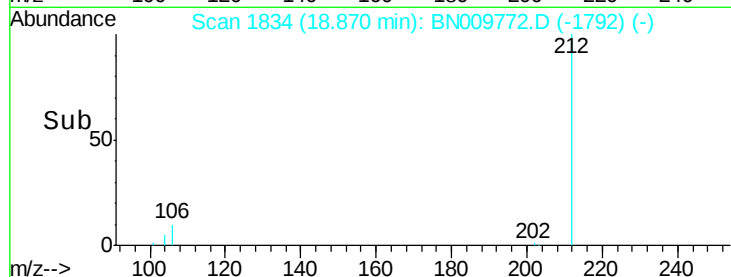
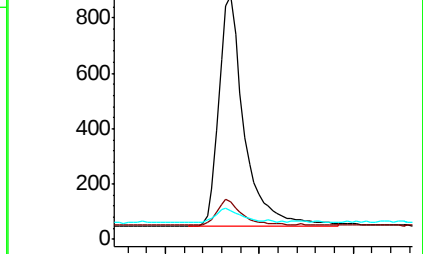
104 6.3 4.8 7.2



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: 0.099 ng

RT: 18.90 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

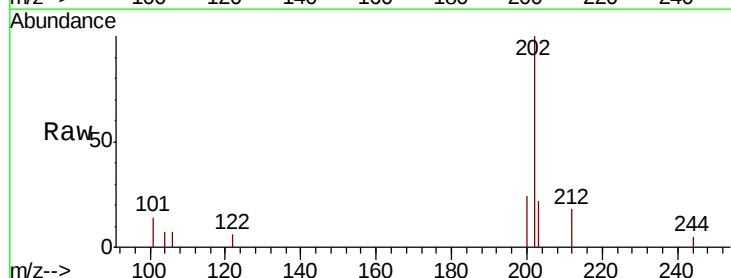
Tgt Ion:202 Resp: 1652

Ion Ratio Lower Upper

202 100

101 9.0 7.1 10.7

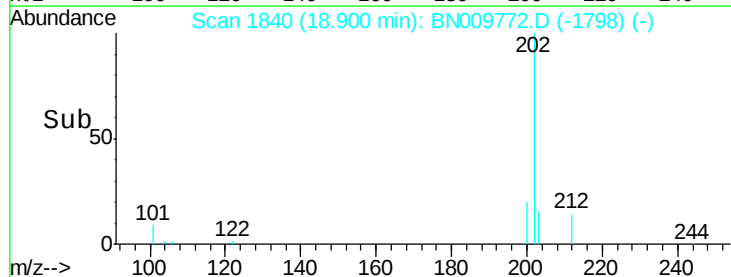
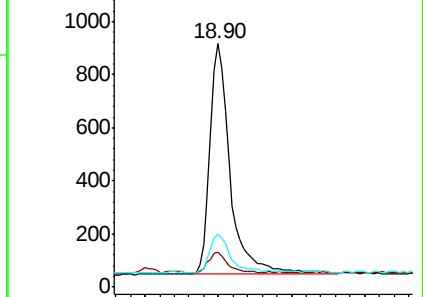
203 16.7 13.8 20.6



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: 21.04 min Scan# 2160

Delta R.T. -0.00 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

Instrument :

BNA_N

ClientSampleId :

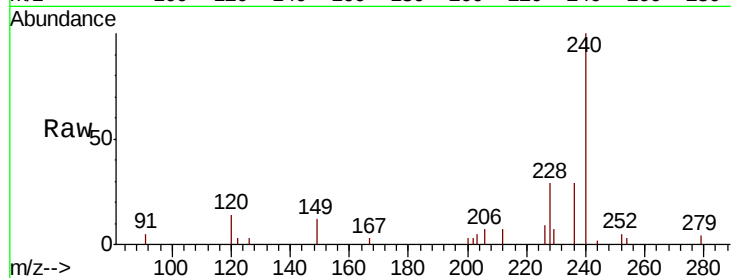
Tot Ion:240 Resp: 4189

Ion Ratio Lower Upper

240 100

120 14.2 7.9 11.9#

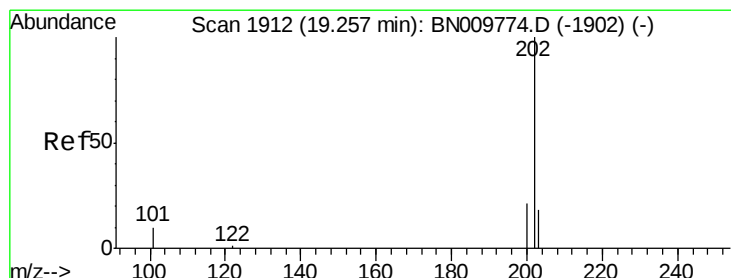
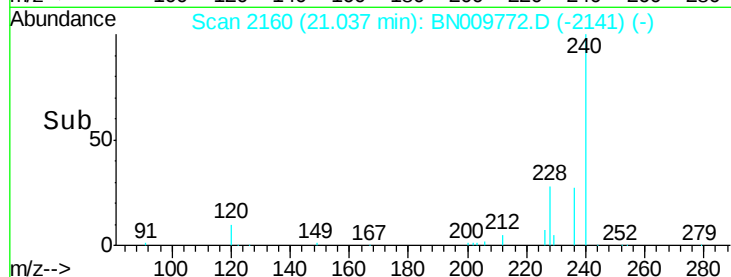
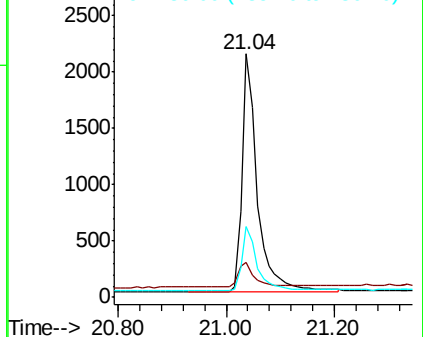
236 29.3 22.0 33.0



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: 0.106 ng

RT: 19.27 min Scan# 1914

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

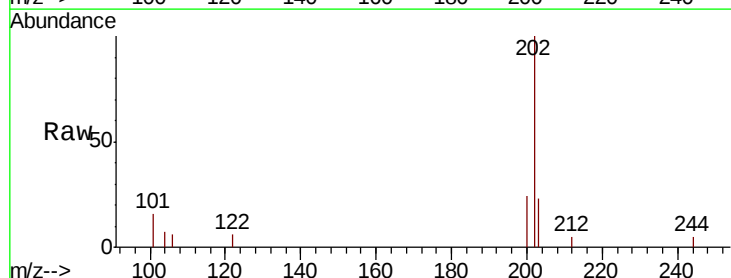
Tgt Ion:202 Resp: 1689

Ion Ratio Lower Upper

202 100

200 20.5 16.4 24.6

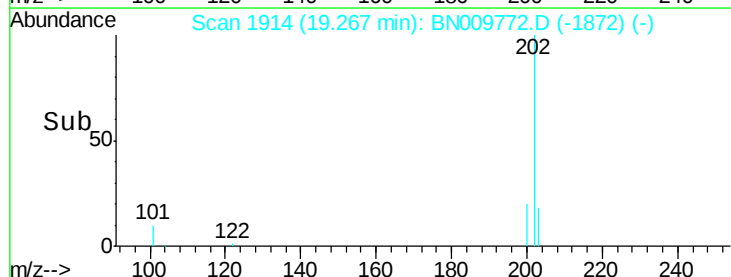
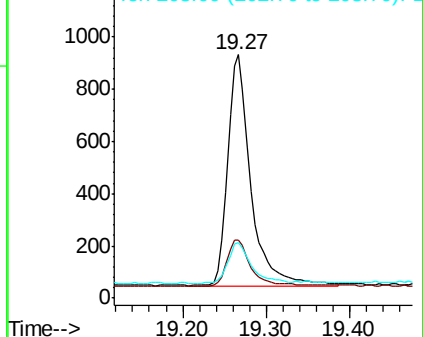
203 17.5 13.9 20.9

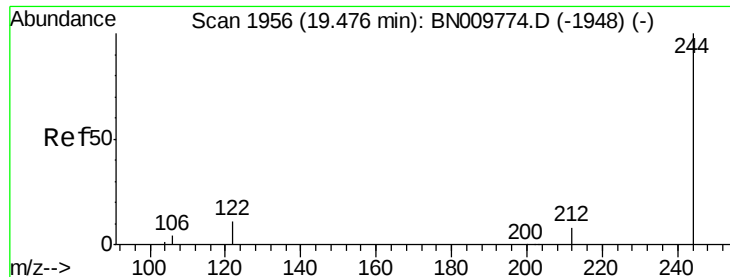


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.104 ng

RT: 19.48 min Scan# 1957

Delta R.T. 0.00 min

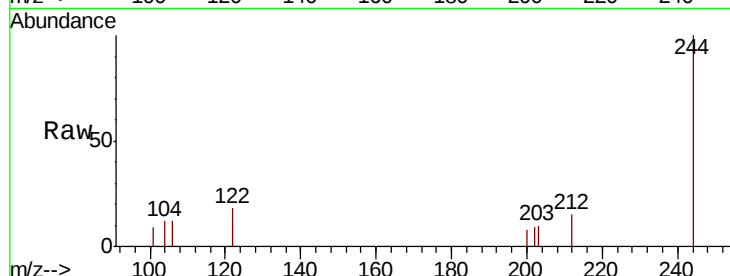
Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

Instrument :

BNA_N

ClientSampleId :



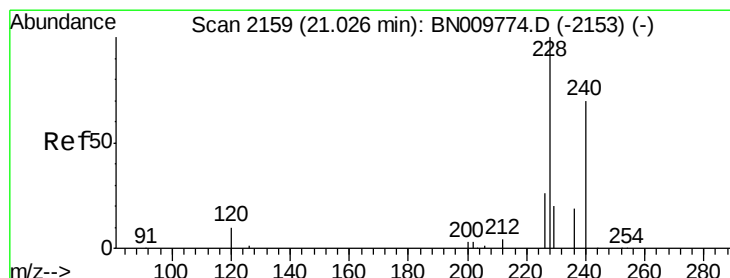
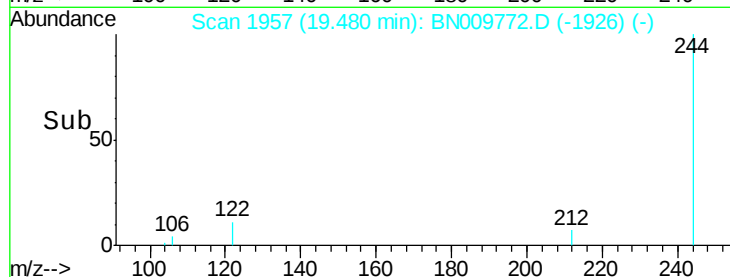
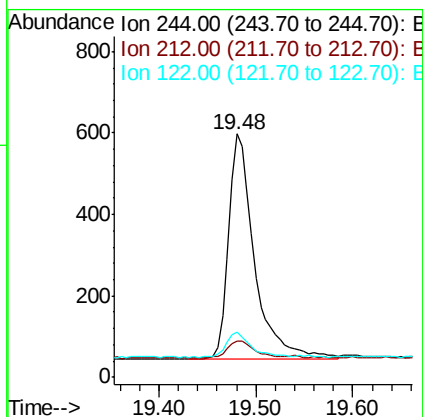
Tot Ion:244 Resp: 1029

Ion Ratio Lower Upper

244 100

212 14.9 8.0 12.0#

122 18.4 10.0 15.0#



#30

Benzo(a)anthracene

Concen: 0.091 ng

RT: 21.04 min Scan# 2160

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

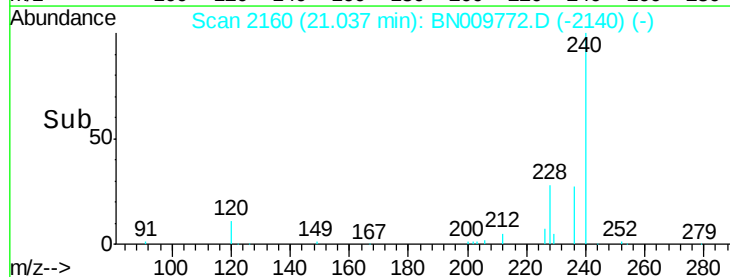
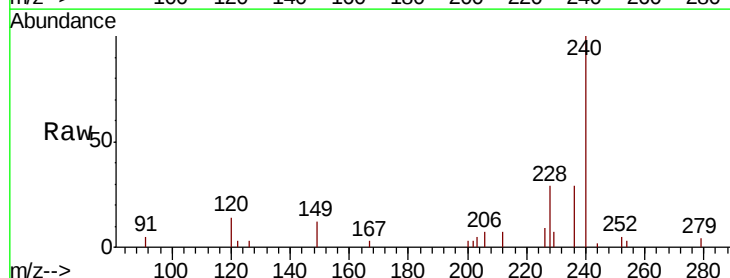
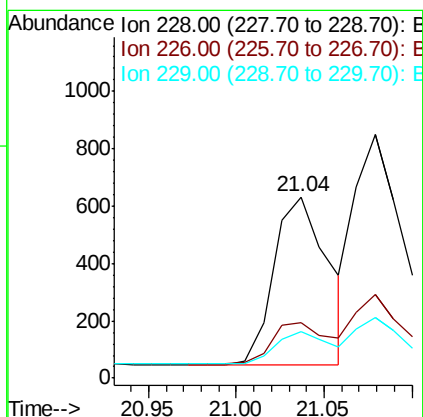
Tgt Ion:228 Resp: 1256

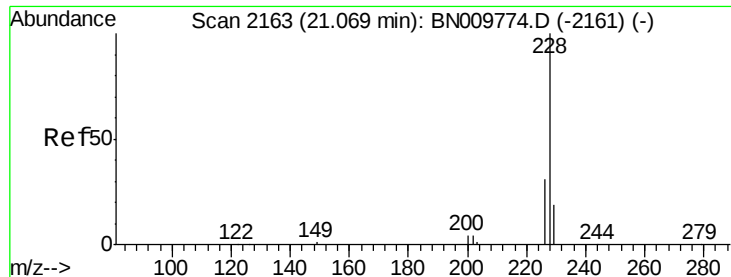
Ion Ratio Lower Upper

228 100

226 31.0 21.8 32.8

229 25.6 17.1 25.7





#31

Chrysene

Concen: 0.105 ng

RT: 21.08 min Scan# 2164

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

Instrument :

BNA_N

ClientSampleId :

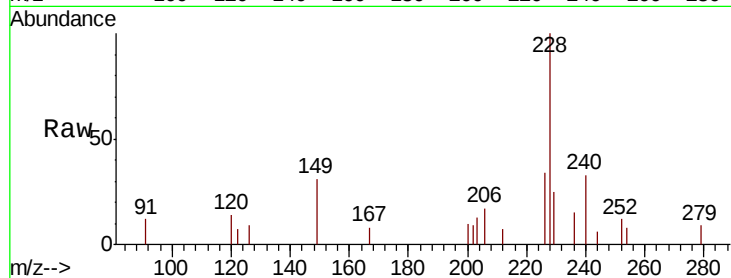
Tot Ion:228 Resp: 1658

Ion Ratio Lower Upper

228 100

226 34.3 24.8 37.2

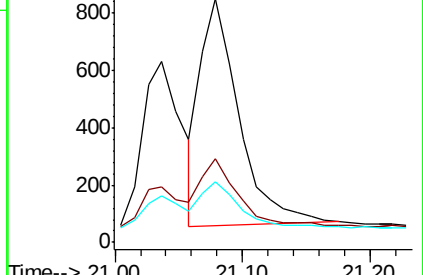
229 24.7 16.4 24.6#



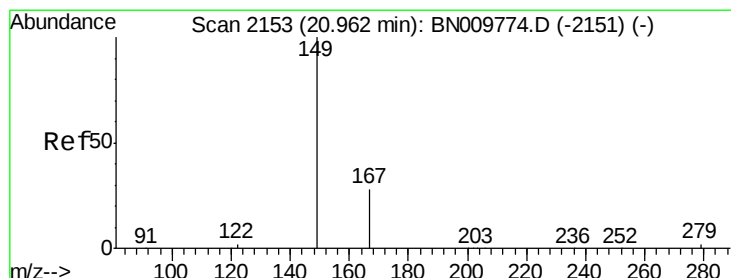
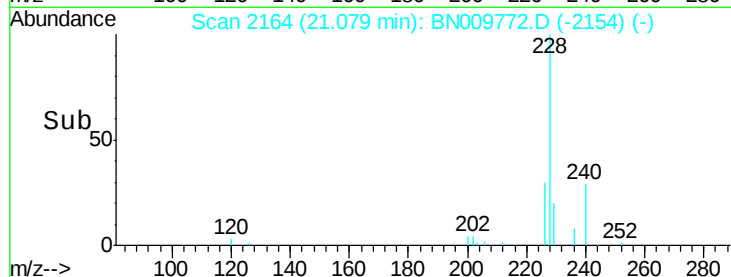
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.00 21.10 21.20



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.130 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.00 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

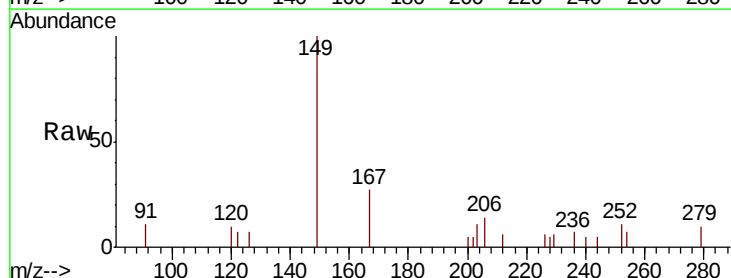
Tgt Ion:149 Resp: 794

Ion Ratio Lower Upper

149 100

167 26.7 22.7 34.1

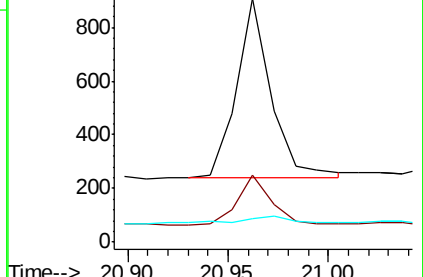
279 4.5 3.1 4.7



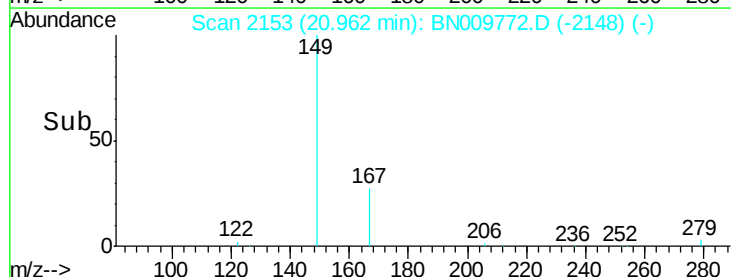
Abundance Ion 149.00 (148.70 to 149.70): E

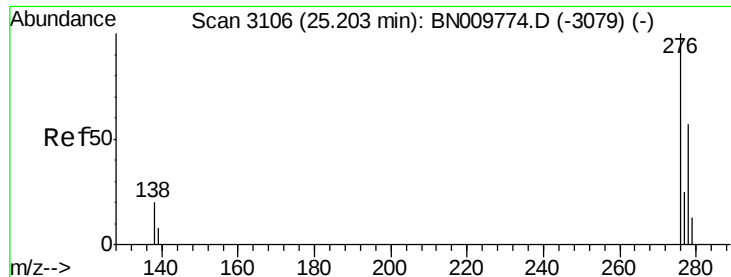
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 20.90 20.95 21.00

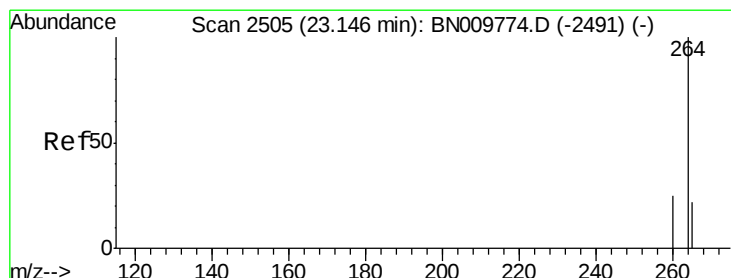
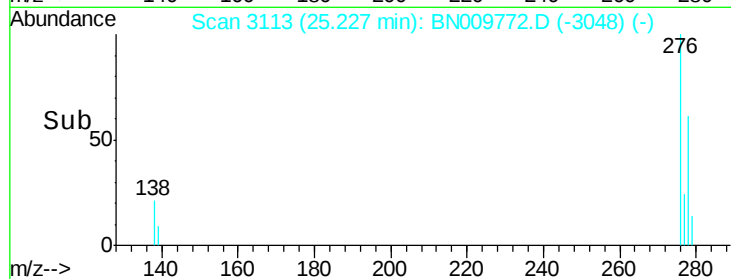
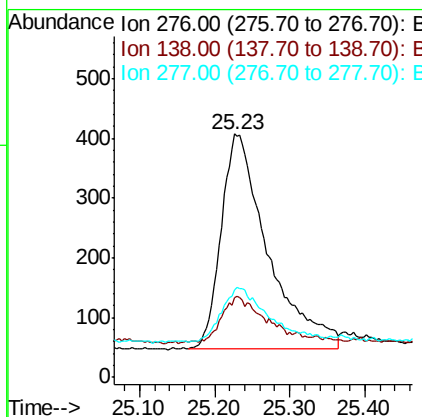
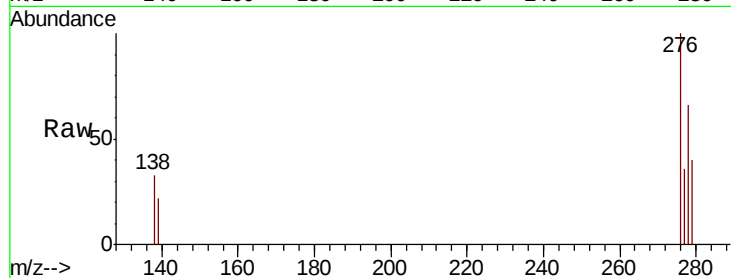




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.093 ng
RT: 25.23 min Scan# 3113
Delta R.T. 0.02 min
Lab File: BN009772.D
Acq: 19 Feb 2020 11:08

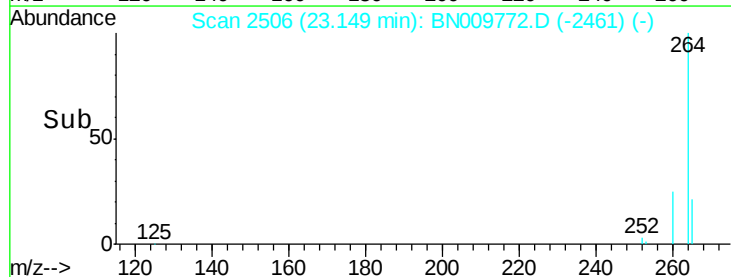
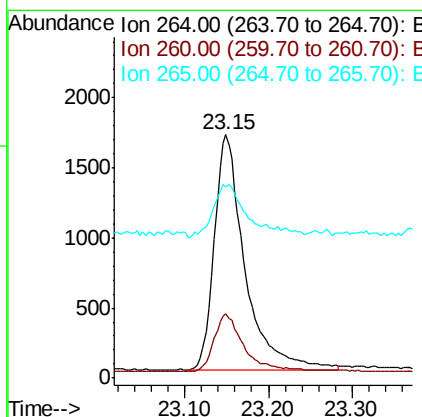
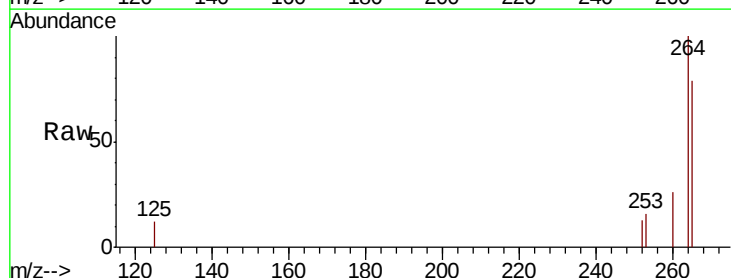
Instrument :
BNA_N
ClientSampleId :

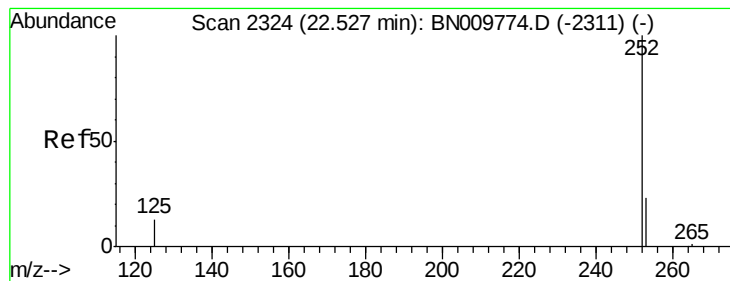
Tot Ion:276 Resp: 1528
Ion Ratio Lower Upper
276 100
138 20.6 15.8 23.6
277 24.8 19.3 28.9



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2506
Delta R.T. 0.00 min
Lab File: BN009772.D
Acq: 19 Feb 2020 11:08

Tgt Ion:264 Resp: 4237
Ion Ratio Lower Upper
264 100
260 26.4 21.1 31.7
265 78.7 57.5 86.3





#35

Benzo(b)fluoranthene

Concen: 0.094 ng

RT: 22.54 min Scan# 2327

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

Instrument :

BNA_N

ClientSampleId :

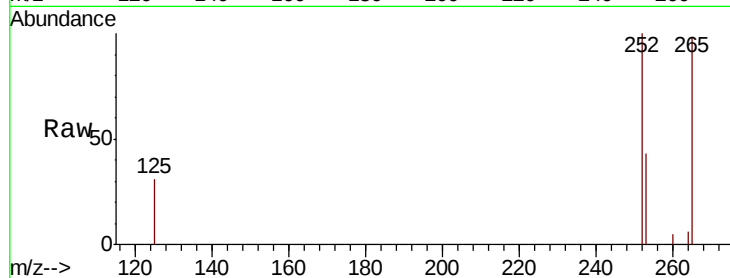
Tot Ion:252 Resp: 1464

Ion Ratio Lower Upper

252 100

253 42.9 23.0 34.6#

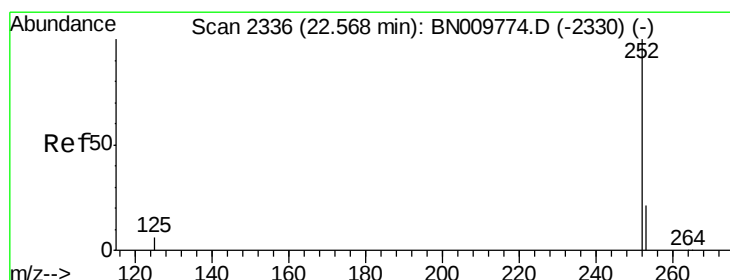
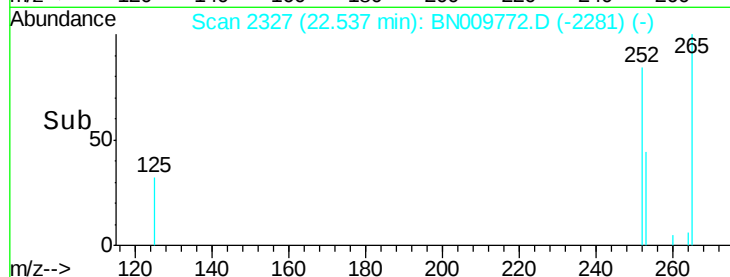
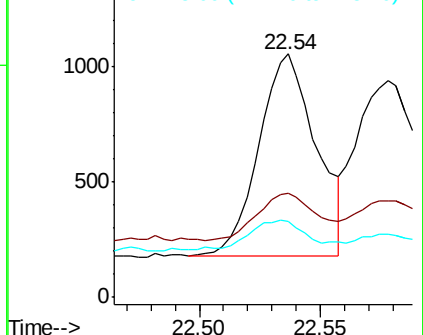
125 31.4 14.4 21.6#



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



#36

Benzo(k)fluoranthene

Concen: 0.094 ng

RT: 22.58 min Scan# 2339

Delta R.T. 0.01 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

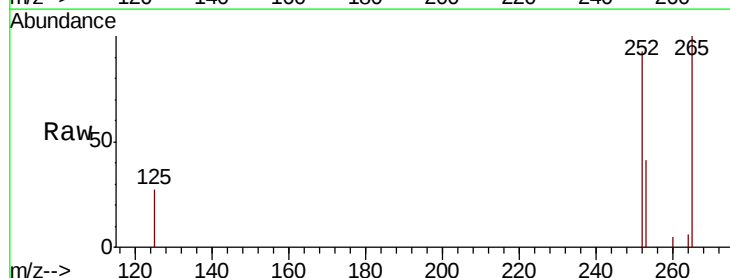
Tgt Ion:252 Resp: 1621

Ion Ratio Lower Upper

252 100

253 44.5 22.2 33.2#

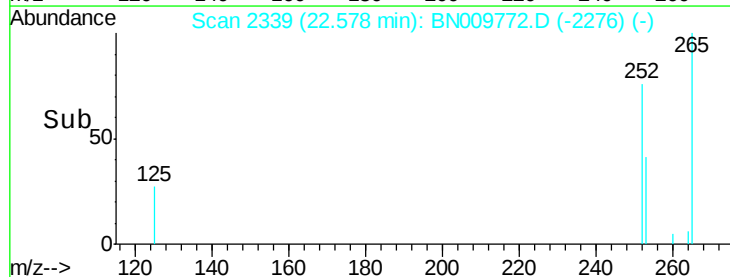
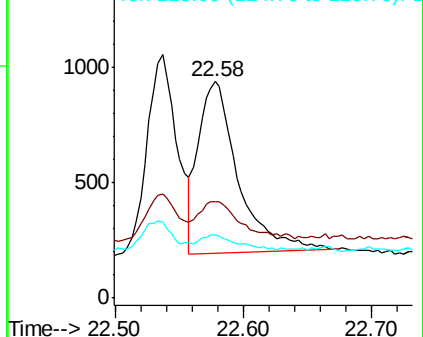
125 29.0 10.5 15.7#

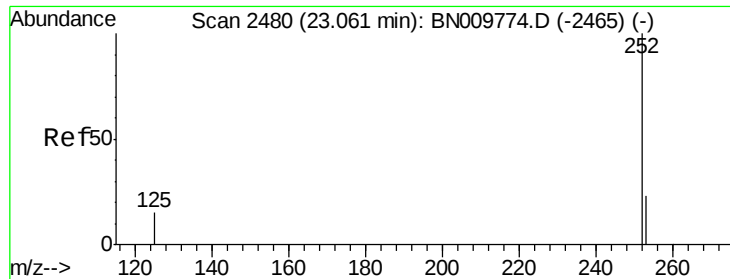


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.101 ng

RT: 23.08 min Scan# 2485

Delta R.T. 0.02 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

Instrument :

BNA_N

ClientSampleId :

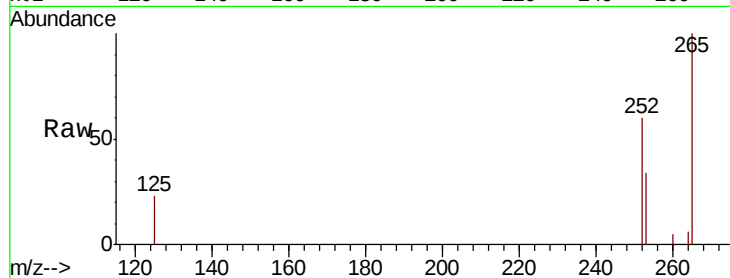
Tot Ion:252 Resp: 1388

Ion Ratio Lower Upper

252 100

253 56.2 25.3 37.9#

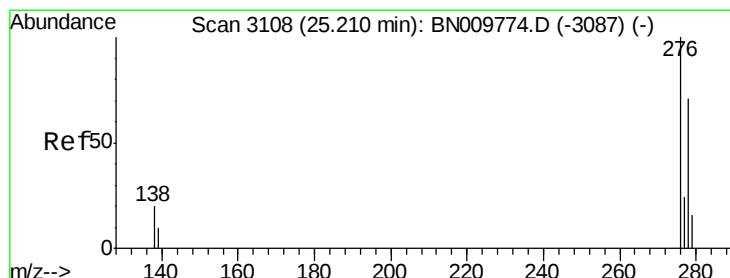
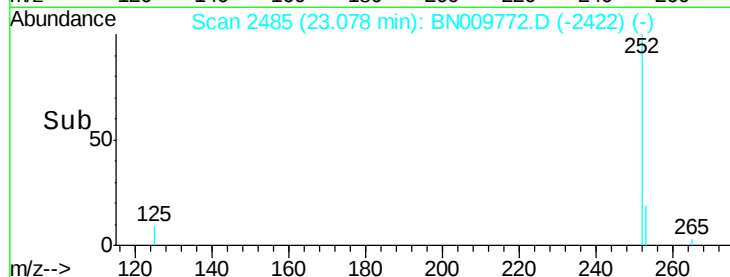
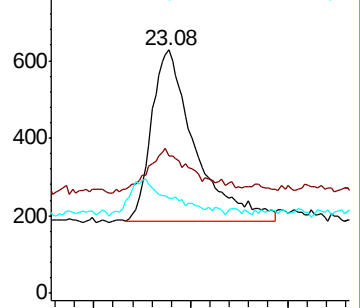
125 39.2 17.7 26.5#



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: 0.088 ng

RT: 25.24 min Scan# 3117

Delta R.T. 0.03 min

Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

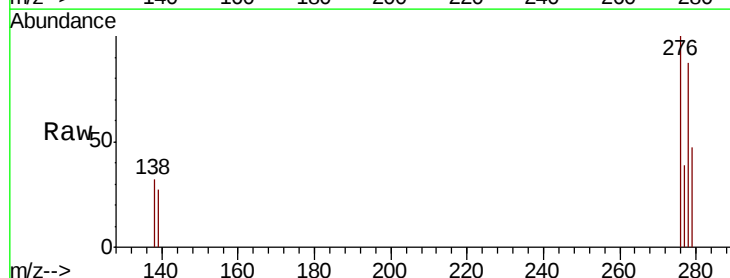
Tgt Ion:278 Resp: 1214

Ion Ratio Lower Upper

278 100

139 30.4 14.5 21.7#

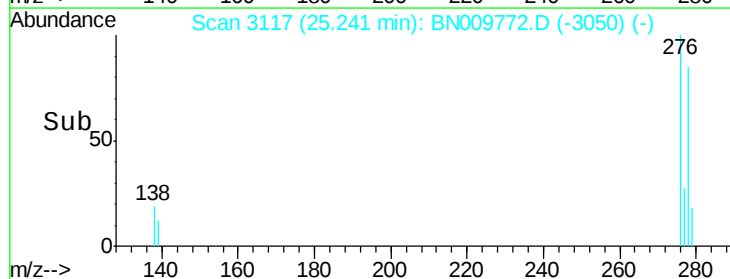
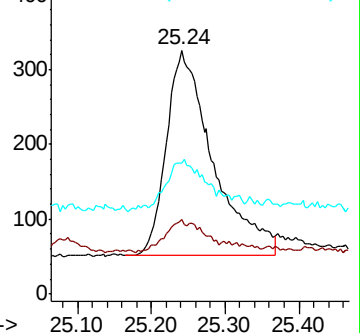
279 53.7 24.3 36.5#



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: 0.093 ng

RT: 25.85 min Scan# 3295

Delta R.T. 0.02 min

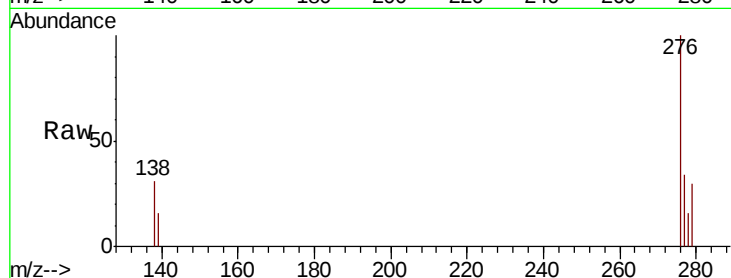
Lab File: BN009772.D

Acq: 19 Feb 2020 11:08

Instrument :

BNA_N

ClientSampleId :



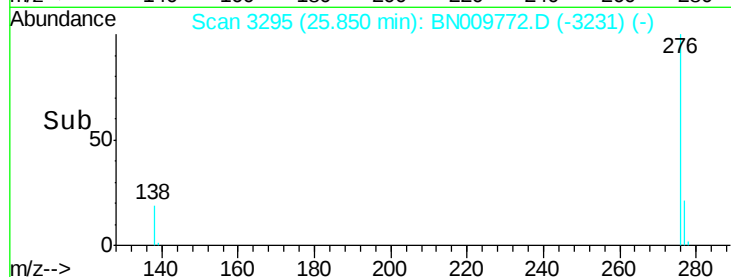
Tot Ion: 276 Resp: 1412

Ion Ratio Lower Upper

276 100

277 34.1 21.4 32.0#

138 31.5 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

