

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\
 Data File : BN009779.D
 Acq On : 19 Feb 2020 16:10
 Operator : CG/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 ICVBN021920

Quant Time: Feb 19 16:48:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 19 15:57:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	1204	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	4003	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	2508	0.40	ng	-0.01
19) Phenanthrene-d10	16.82	188	5610	0.40	ng	0.00
27) Chrysene-d12	21.03	240	5308	0.40	ng	-0.01
34) Perylene-d12	23.15	264	5240	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.07	112	1061	0.40	ng	-0.02
5) Phenol-d6	6.62	99	1287	0.40	ng	-0.02
8) Nitrobenzene-d5	8.58	82	1294	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	11.77	152	3019	0.39	ng	-0.02
14) 2,4,6-Tribromophenol	15.57	330	329	0.34	ng	-0.01
15) 2-Fluorobiphenyl	12.66	172	3757	0.40	ng	-0.02
25) Fluoranthene-d10	18.86	212	7390	0.38	ng	0.00
29) Terphenyl-d14	19.47	244	4801	0.38	ng	0.00

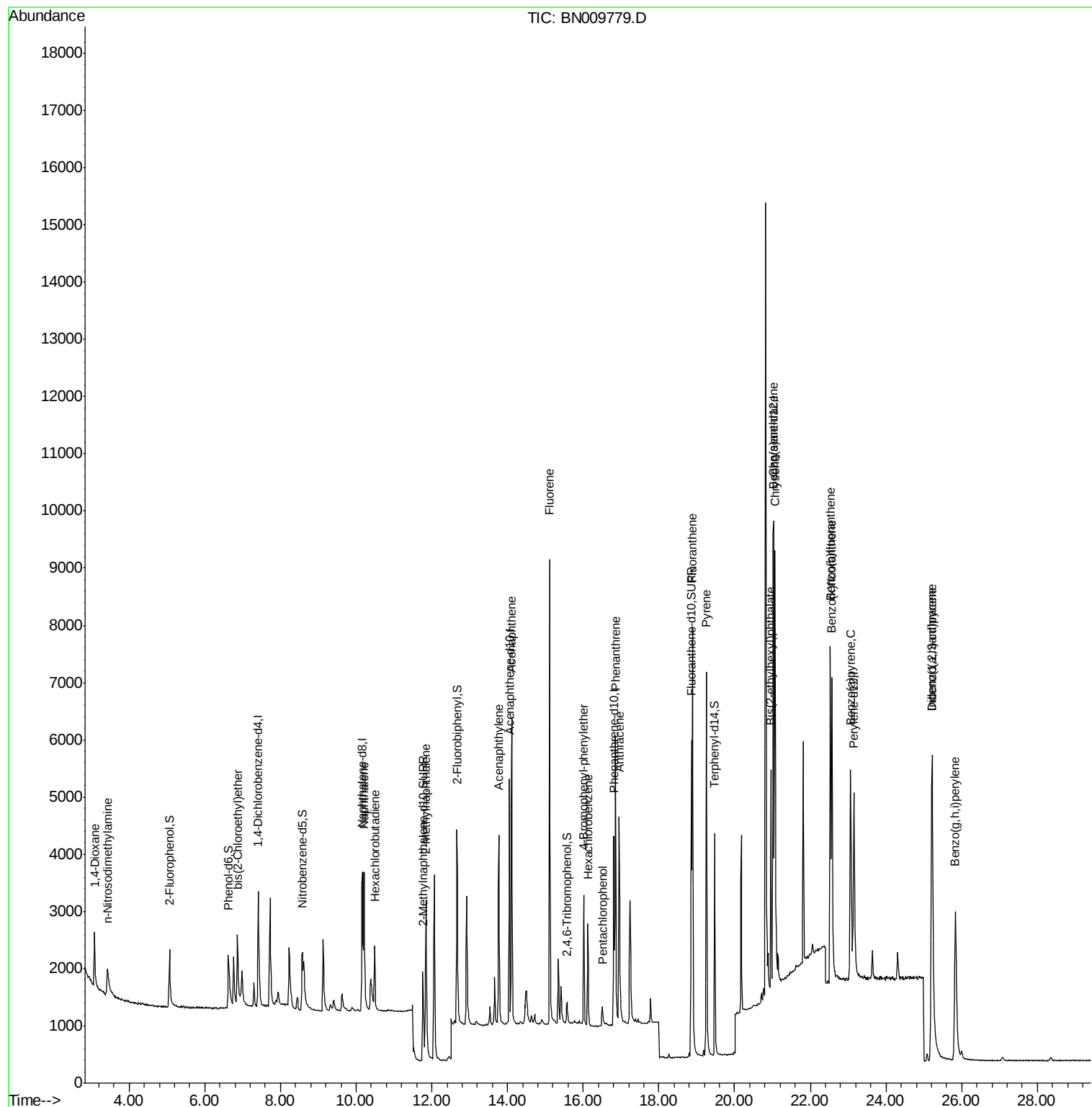
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	494	0.401	ng	98
3) n-Nitrosodimethylamine	3.43	42	745	0.368	ng	# 85
6) bis(2-Chloroethyl)ether	6.86	93	1338	0.422	ng	98
9) Naphthalene	10.22	128	4155	0.381	ng	99
10) Hexachlorobutadiene	10.49	225	938	0.391	ng	# 96
12) 2-Methylnaphthalene	11.84	142	2887	0.386	ng	98
16) Acenaphthylene	13.77	152	3943	0.369	ng	98
17) Acenaphthene	14.11	154	2835	0.377	ng	98
18) Fluorene	15.12	166	3748	0.378	ng	100
20) 4-Bromophenyl-phenylether	16.01	248	1344	0.335	ng	92
21) Hexachlorobenzene	16.12	284	1329	0.380	ng	99
22) Pentachlorophenol	16.51	266	305	0.439	ng	99
23) Phenanthrene	16.85	178	6399	0.383	ng	99
24) Anthracene	16.95	178	5108	0.362	ng	100
26) Fluoranthene	18.88	202	7529	0.377	ng	100
28) Pyrene	19.26	202	7487	0.371	ng	100
30) Benzo(a)anthracene	21.02	228	6652	0.378	ng	99
31) Chrysene	21.07	228	7407	0.363	ng	98
32) Bis(2-ethylhexyl)phthalate	20.96	149	3248	0.378	ng	99
33) Indeno(1,2,3-cd)pyrene	25.21	276	7889	0.372	ng	99
35) Benzo(b)fluoranthene	22.53	252	7171	0.374	ng	97
36) Benzo(k)fluoranthene	22.57	252	7851	0.376	ng	99
37) Benzo(a)pyrene	23.06	252	6858	0.392	ng	100
38) Dibenzo(a,h)anthracene	25.22	278	6344	0.369	ng	98
39) Benzo(g,h,i)perylene	25.83	276	6769	0.369	ng	98

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

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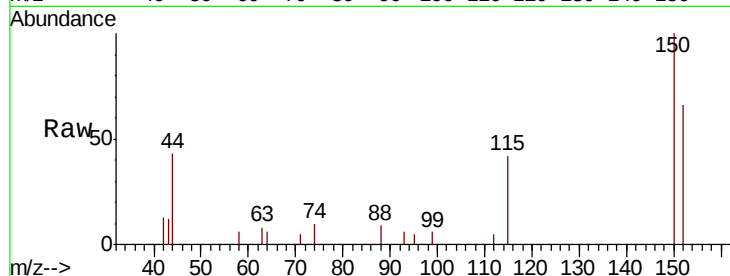


#1

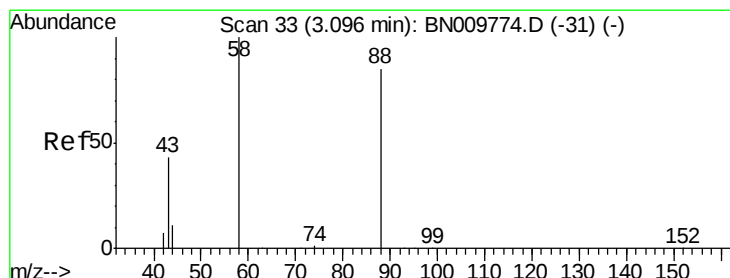
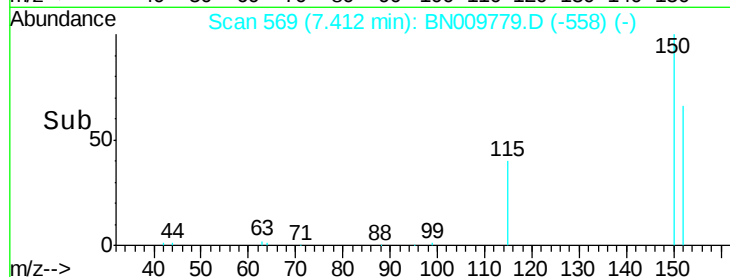
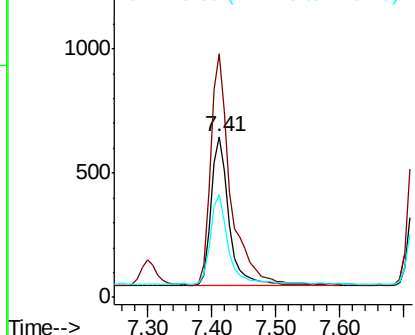
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. -0.01 min
Lab File: BN009779.D
Acq: 19 Feb 2020 16:10

Instrument :
BNA_N
ClientSampleId :
ICVBN021920

Tot Ion:152 Resp: 1204
Ion Ratio Lower Upper
152 100
150 151.5 120.6 181.0
115 64.0 51.2 76.8



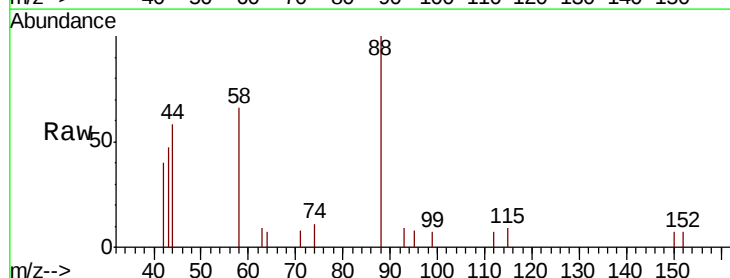
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



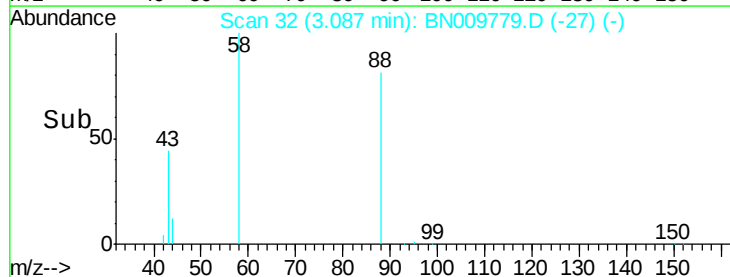
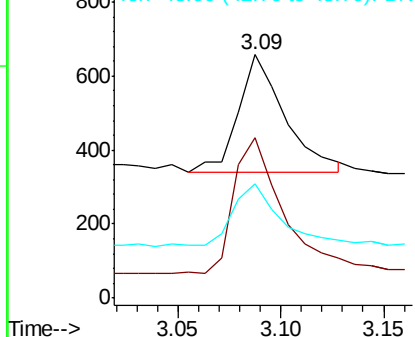
#2

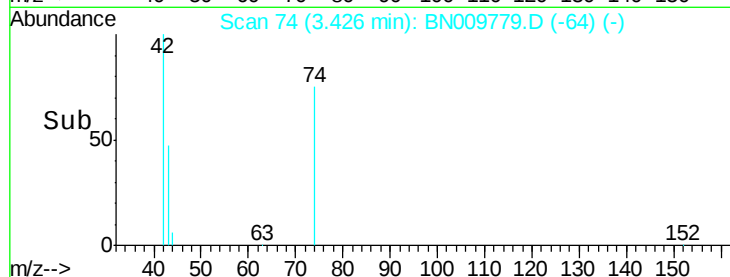
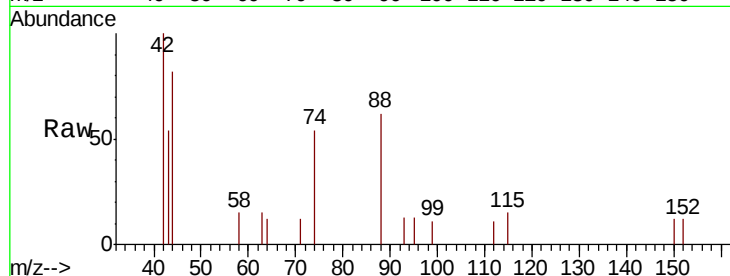
1,4-Dioxane
Concen: 0.401 ng
RT: 3.09 min Scan# 32
Delta R.T. -0.01 min
Lab File: BN009779.D
Acq: 19 Feb 2020 16:10

Tgt Ion: 88 Resp: 494
Ion Ratio Lower Upper
88 100
58 123.7 97.8 146.8
43 52.6 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

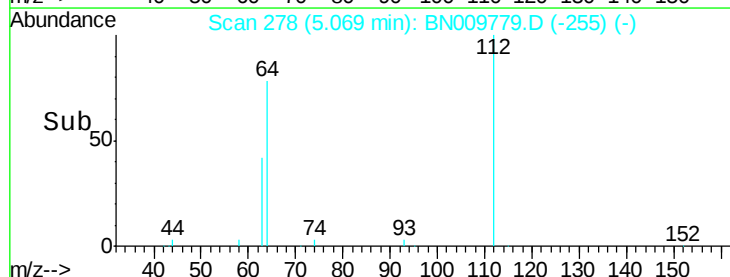
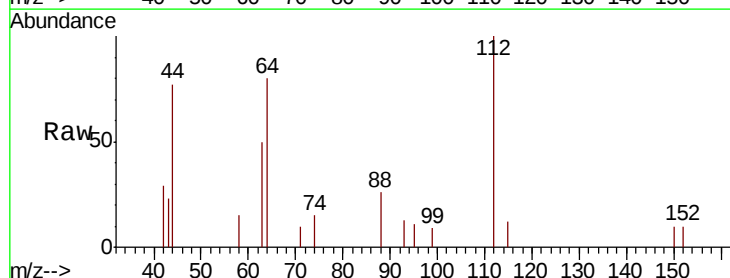
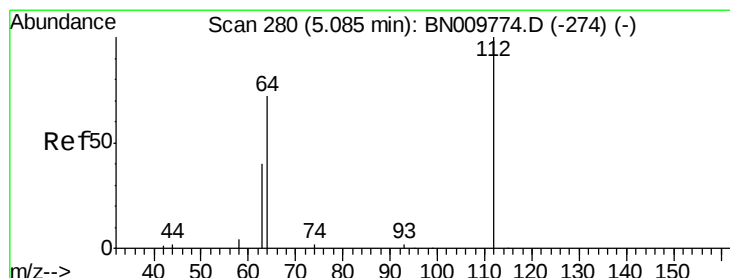
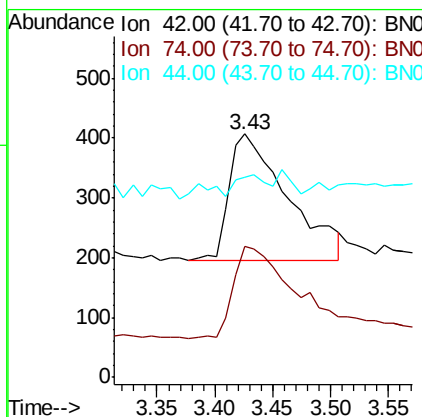




#3
n-Nitrosodimethylamine
Concen: 0.368 ng
RT: 3.43 min Scan# 74
Delta R.T. -0.02 min
Lab File: BN009779.D
Acq: 19 Feb 2020 16:10

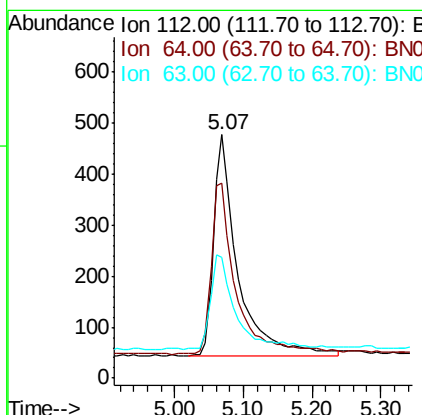
Instrument :
BNA_N
ClientSampleId :
ICVBN021920

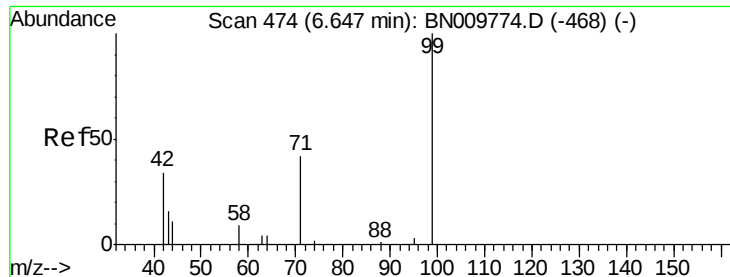
Tot Ion: 42 Resp: 745
Ion Ratio Lower Upper
42 100
74 75.4 51.2 76.8
44 8.7 2.6 4.0#



#4
2-Fluorophenol
Concen: 0.396 ng
RT: 5.07 min Scan# 278
Delta R.T. -0.02 min
Lab File: BN009779.D
Acq: 19 Feb 2020 16:10

Tgt Ion: 112 Resp: 1061
Ion Ratio Lower Upper
112 100
64 82.2 65.8 98.6
63 44.9 38.7 58.1





#5

Phenol-d6

Concen: 0.395 ng

RT: 6.62 min Scan# 471

Delta R.T. -0.02 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

ICVBN021920

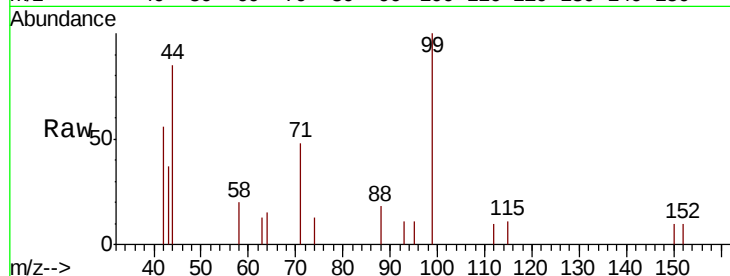
Tot Ion: 99 Resp: 1287

Ion Ratio Lower Upper

99 100

42 32.4 30.8 46.2

71 37.7 34.9 52.3



Abundance Ion 99.00 (98.70 to 99.70): BN009779.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN009779.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN009779.D (-462) (-)

6.62

500

400

300

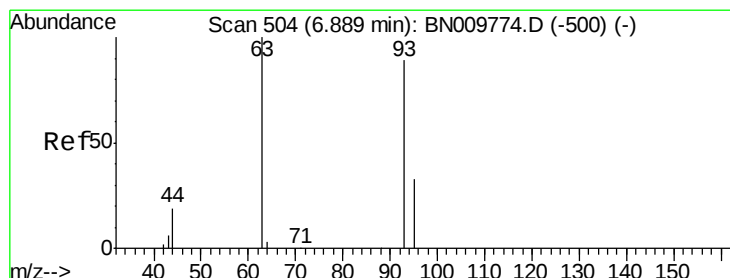
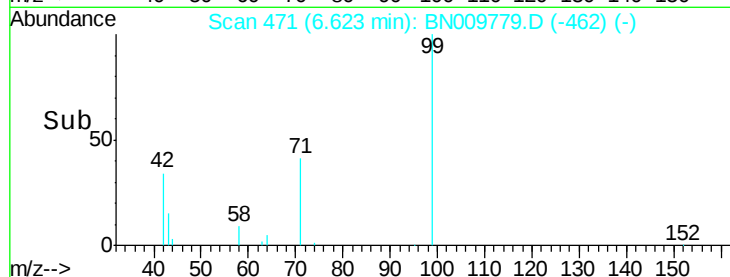
200

100

0

6.50 6.60 6.70 6.80

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.422 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.02 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

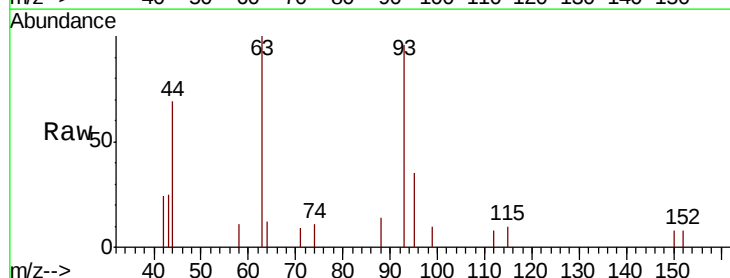
Tgt Ion: 93 Resp: 1338

Ion Ratio Lower Upper

93 100

63 91.3 74.0 111.0

95 31.5 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN009779.D (-479) (-)

Ion 63.00 (62.70 to 63.70): BN009779.D (-479) (-)

Ion 95.00 (94.70 to 95.70): BN009779.D (-479) (-)

6.86

1000

800

600

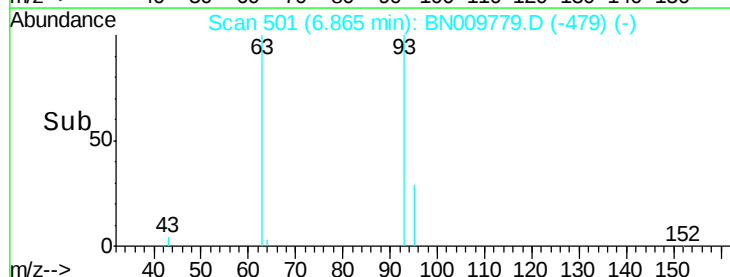
400

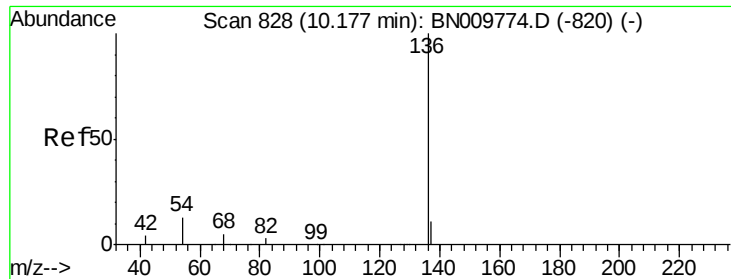
200

0

6.80 6.90 7.00 7.10

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.01 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

ICVBN021920

Tot Ion:136 Resp: 4003

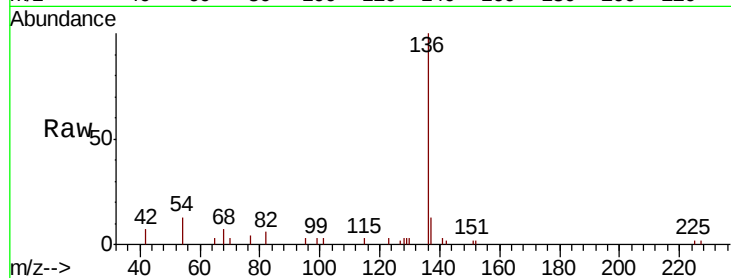
Ion Ratio Lower Upper

136 100

137 13.4 11.3 16.9

54 12.8 13.4 20.2#

68 7.0 7.0 10.4#

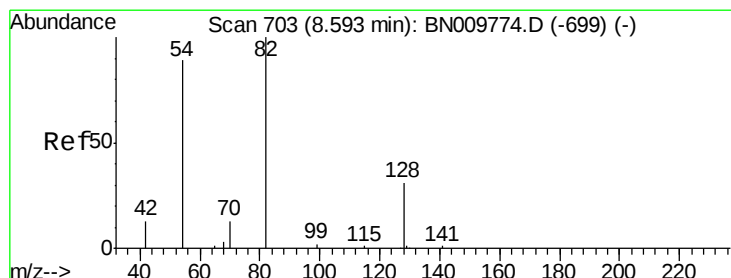
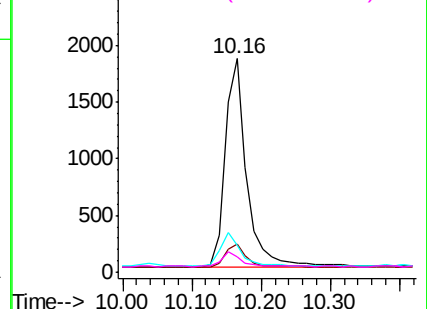
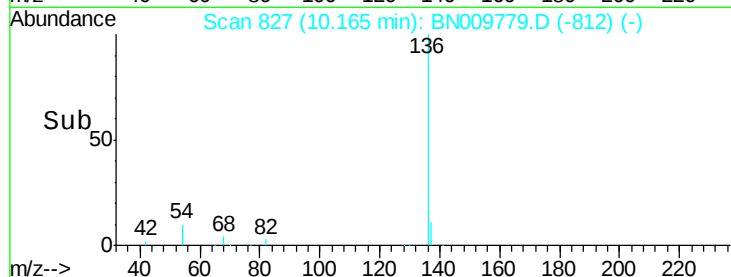


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.388 ng

RT: 8.58 min Scan# 702

Delta R.T. -0.01 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

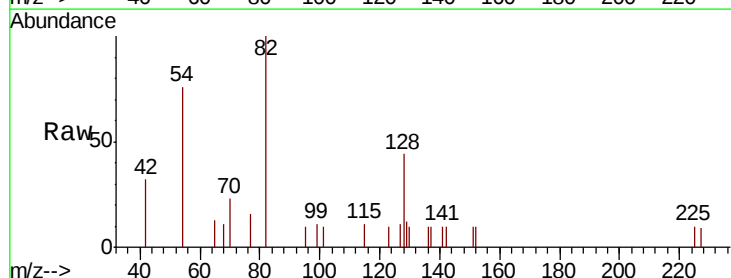
Tgt Ion: 82 Resp: 1294

Ion Ratio Lower Upper

82 100

128 43.6 32.5 48.7

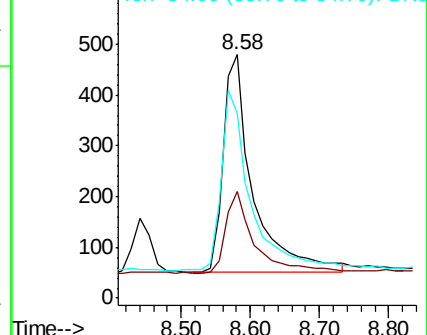
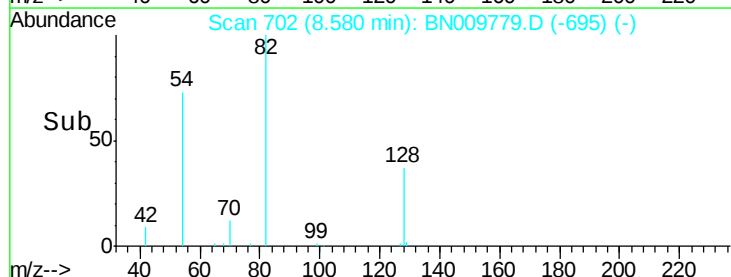
54 76.2 73.5 110.3



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: 0.381 ng

RT: 10.22 min Scan# 831

Delta R.T. -0.01 min

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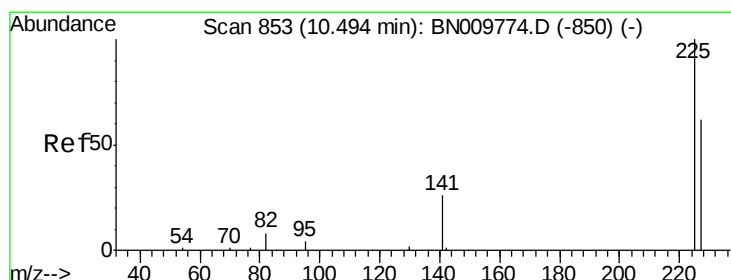
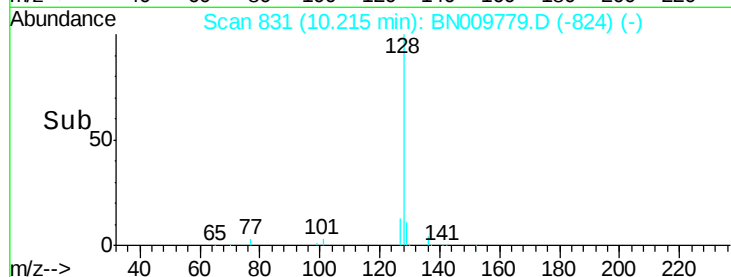
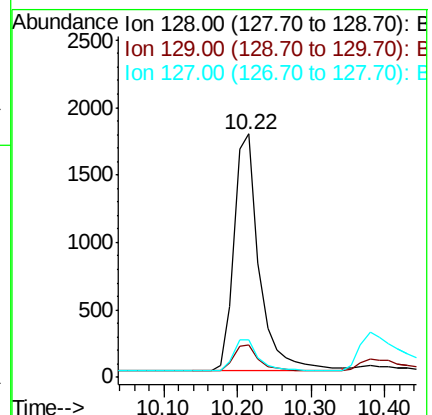
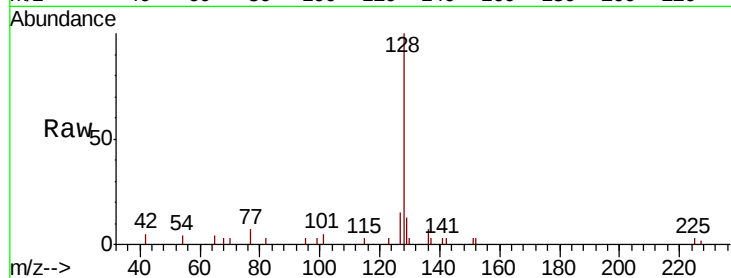
Tot Ion:128 Resp: 4155

Ion Ratio Lower Upper

128 100

129 13.4 11.1 16.7

127 15.5 12.6 19.0



#10

Hexachlorobutadiene

Concen: 0.391 ng

RT: 10.49 min Scan# 853

Delta R.T. 0.00 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

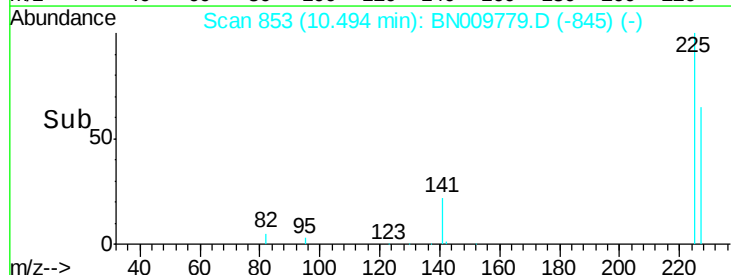
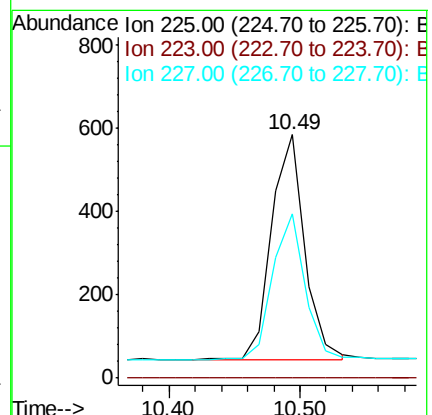
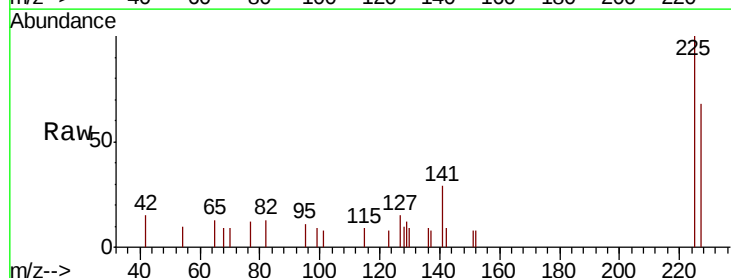
Tgt Ion:225 Resp: 938

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.4 53.4 80.2





#11

2-Methylnaphthalene-d10

Concen: 0.390 ng

RT: 11.77 min Scan# 991

Delta R.T. -0.02 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

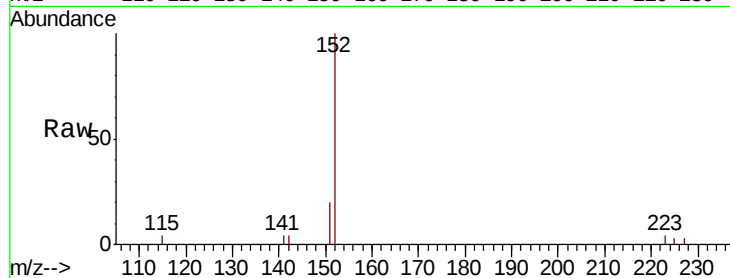
ICVBN021920

Tot Ion:152 Resp: 3019

Ion Ratio Lower Upper

152 100

151 18.8 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.77

1500

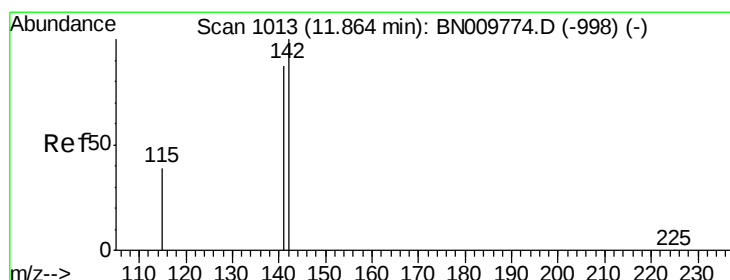
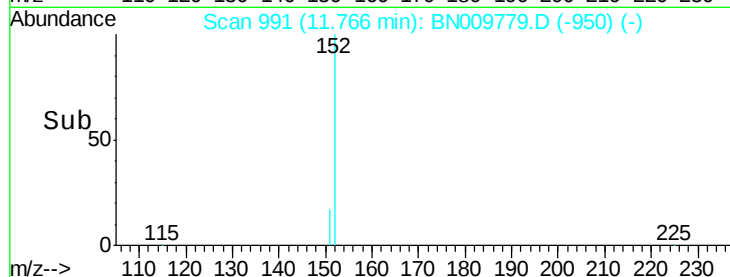
1000

500

0

Time-->

11.70 11.80 11.90 12.00



#12

2-Methylnaphthalene

Concen: 0.386 ng

RT: 11.84 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

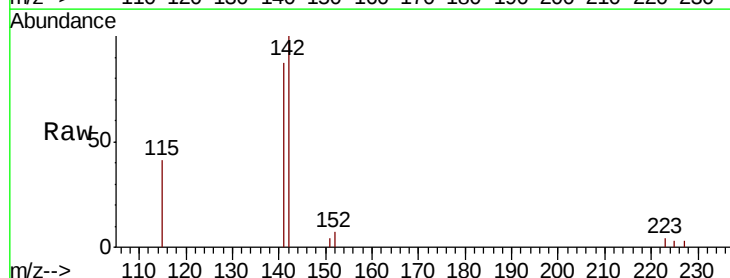
Tgt Ion:142 Resp: 2887

Ion Ratio Lower Upper

142 100

141 86.5 69.8 104.6

115 40.7 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

2000

1500

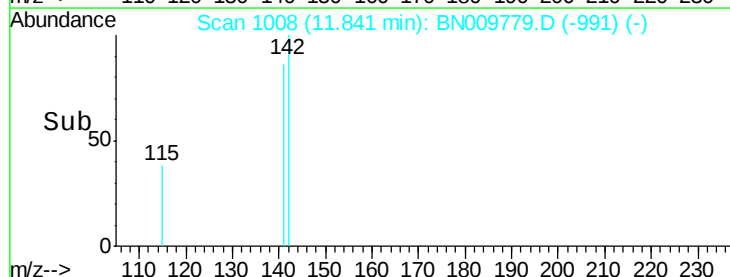
1000

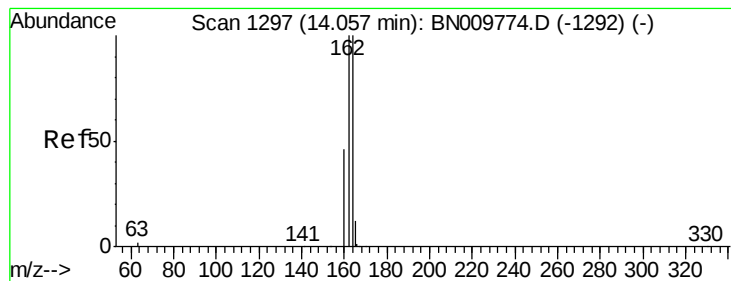
500

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: BN009779.D

Acq: 19 Feb 2020 16:10

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ClientSampleId :

ICVBN021920

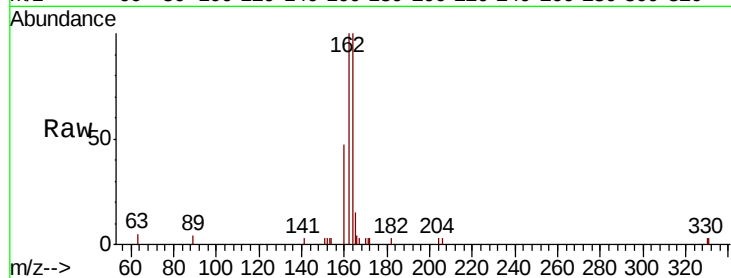
Tot Ion:164 Resp: 2508

Ion Ratio Lower Upper

164 100

162 100.0 79.9 119.9

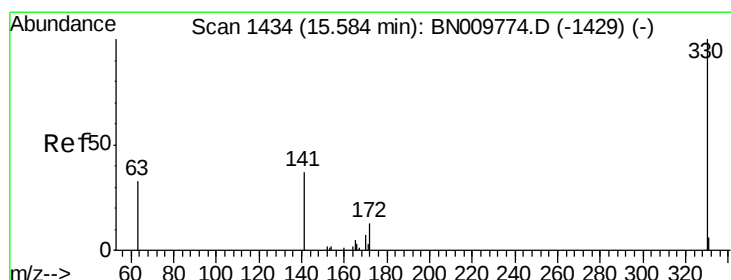
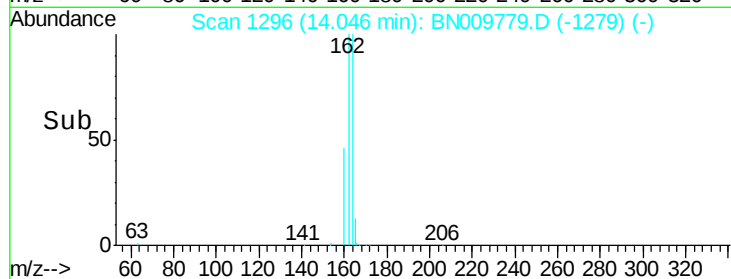
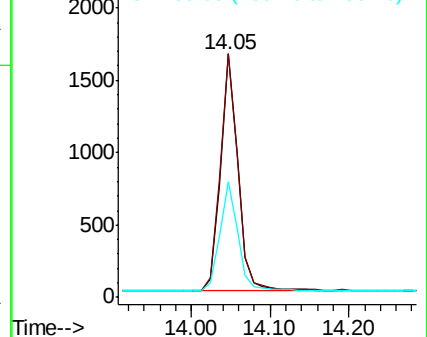
160 47.3 38.2 57.2



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: 0.341 ng

RT: 15.57 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

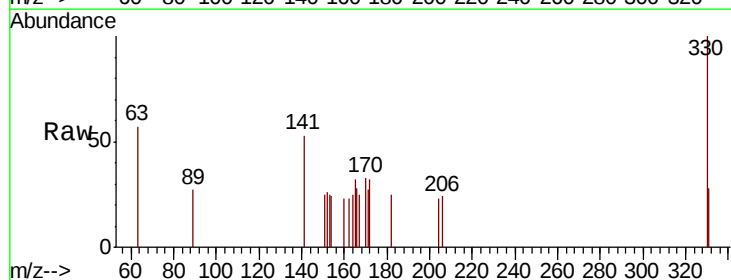
Tgt Ion:330 Resp: 329

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

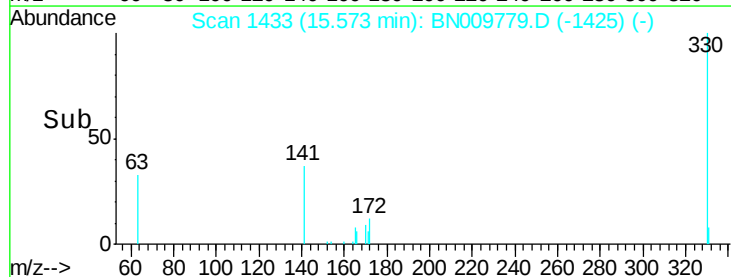
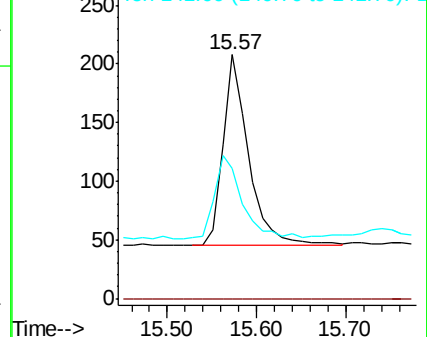
141 46.8 36.8 55.2



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

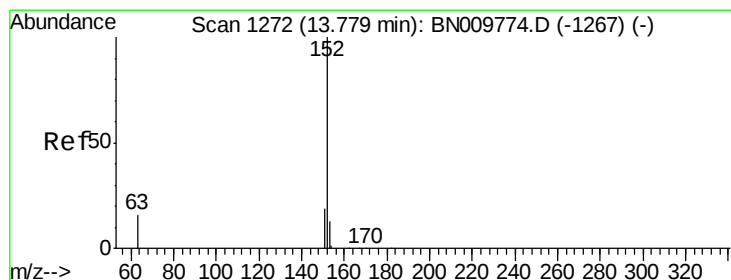
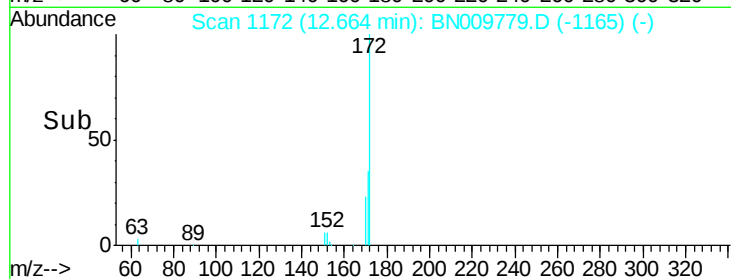
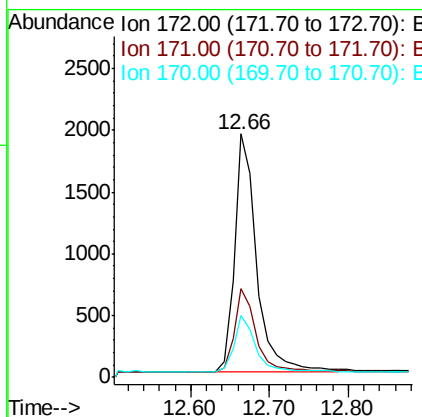
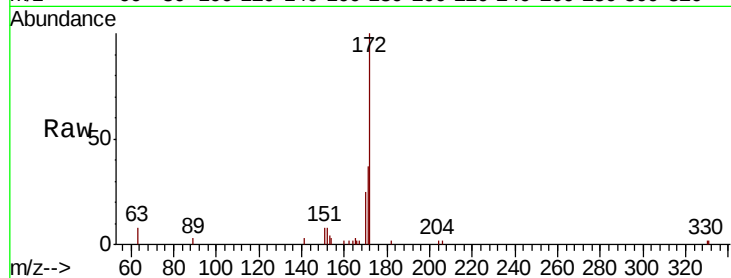




#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 12.66 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BN009779.D
Acq: 19 Feb 2020 16:10

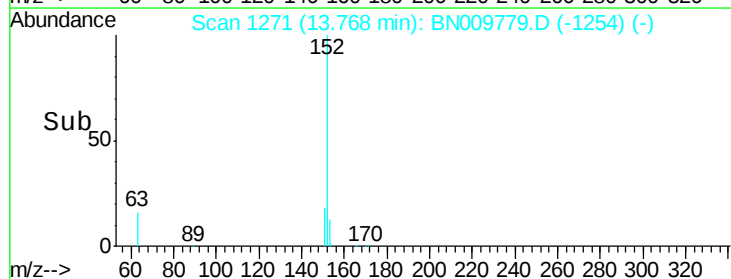
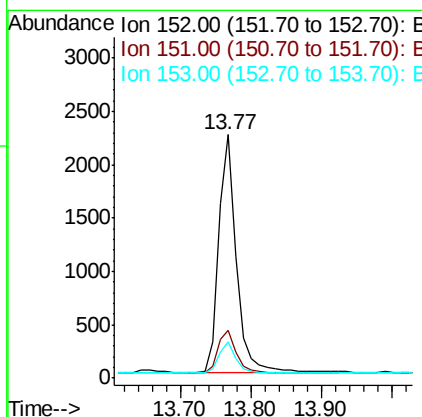
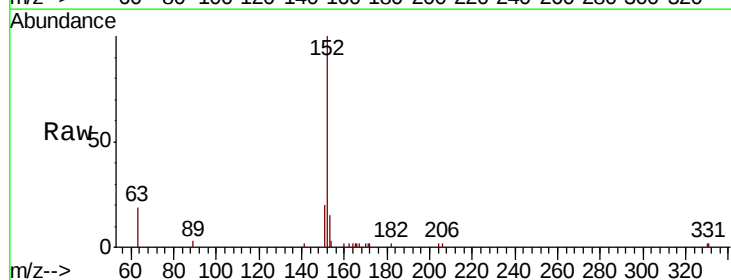
Instrument :
BNA_N
ClientSampleId :
ICVBN021920

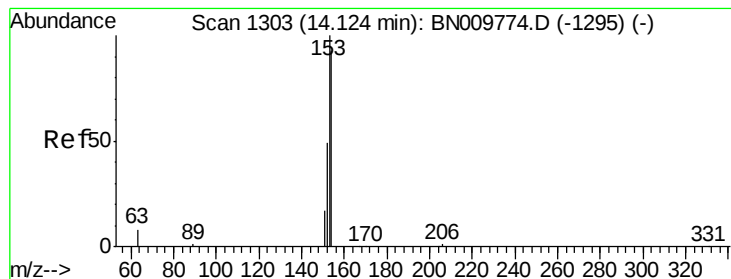
Tot Ion:172 Resp: 3757
Ion Ratio Lower Upper
172 100
171 36.6 28.7 43.1
170 25.2 20.1 30.1



#16
Acenaphthylene
Concen: 0.369 ng
RT: 13.77 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN009779.D
Acq: 19 Feb 2020 16:10

Tgt Ion:152 Resp: 3943
Ion Ratio Lower Upper
152 100
151 18.7 15.8 23.6
153 13.0 10.2 15.4





#17

Acenaphthene

Concen: 0.377 ng

RT: 14.11 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

ICVBN021920

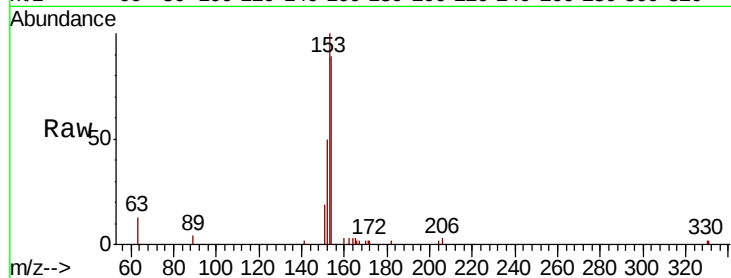
Tot Ion:154 Resp: 2835

Ion Ratio Lower Upper

154 100

153 113.2 88.9 133.3

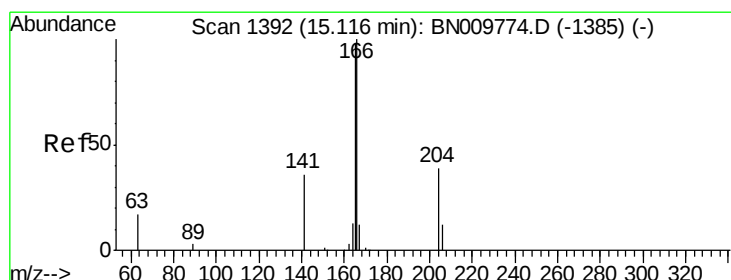
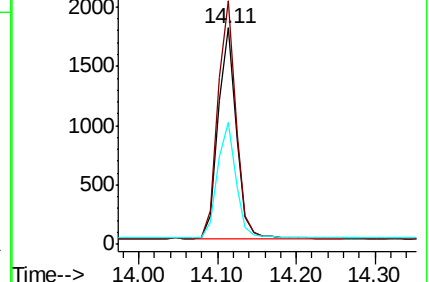
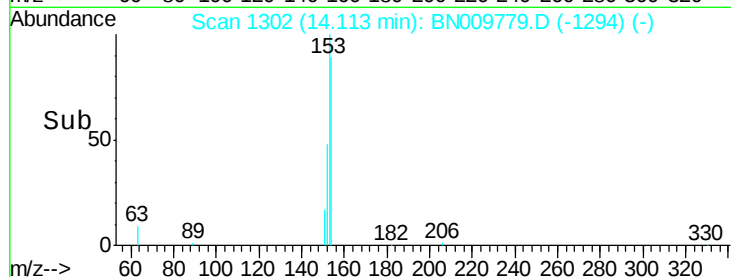
152 56.7 44.2 66.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.378 ng

RT: 15.12 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

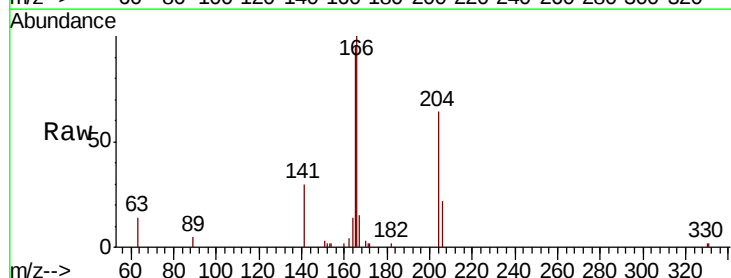
Tgt Ion:166 Resp: 3748

Ion Ratio Lower Upper

166 100

165 96.7 77.2 115.8

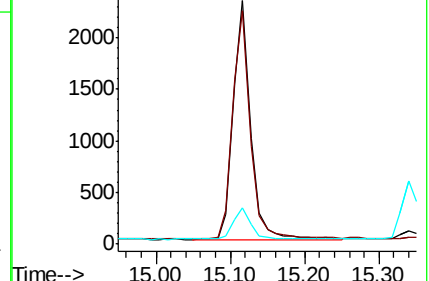
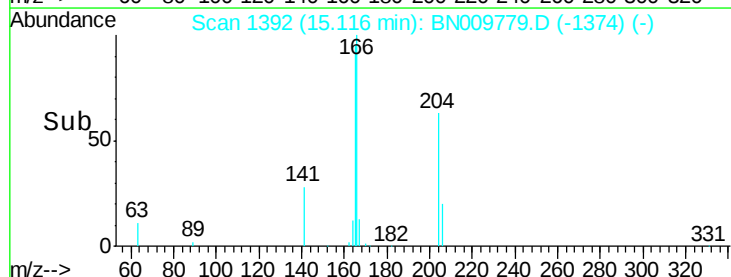
167 13.1 10.5 15.7



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: 16.82 min Scan# 1548

Delta R.T. 0.00 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

ICVBN021920

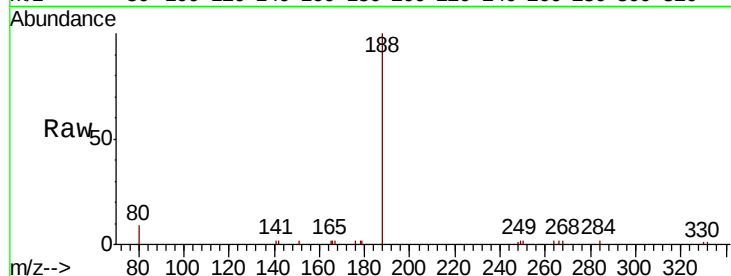
Tot Ion:188 Resp: 5610

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

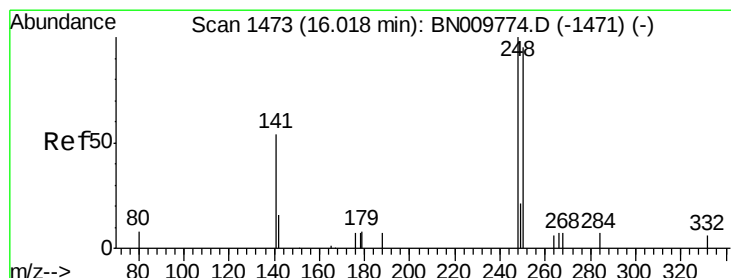
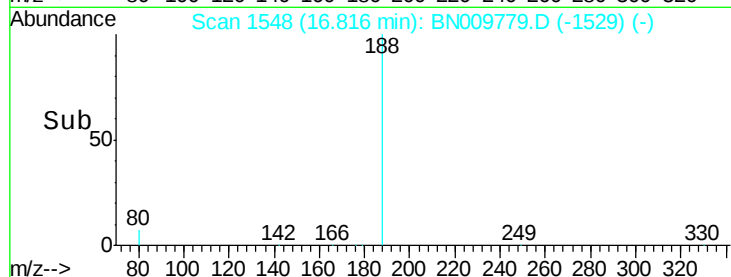
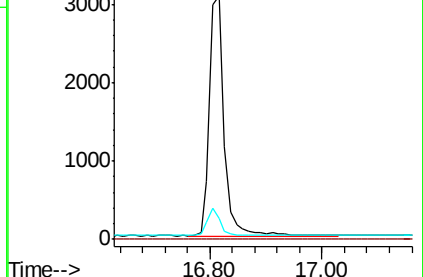
80 8.6 8.3 12.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.335 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

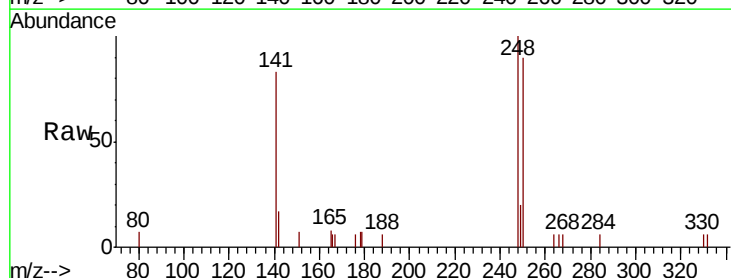
Tgt Ion:248 Resp: 1344

Ion Ratio Lower Upper

248 100

250 90.4 76.2 114.4

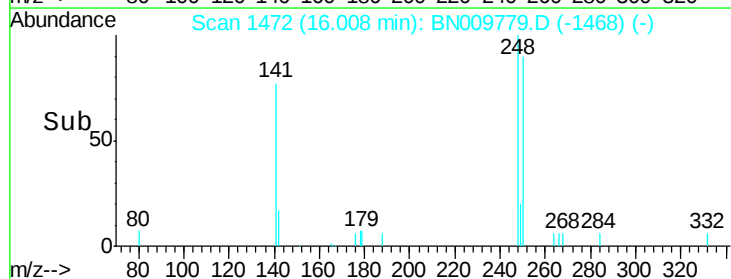
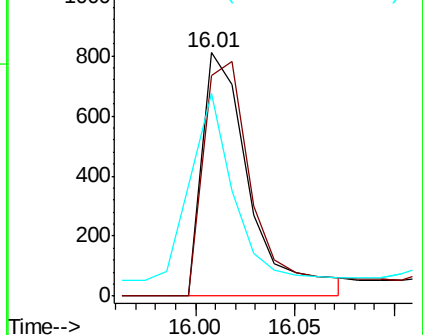
141 83.0 57.8 86.6

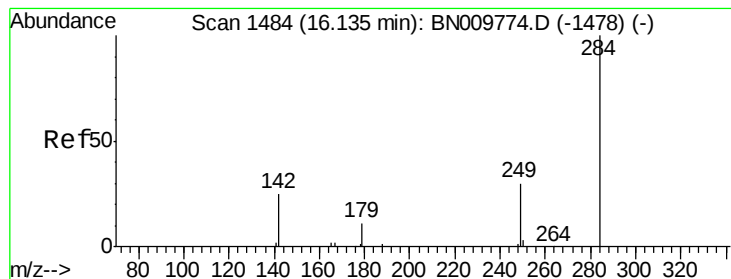


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.380 ng

RT: 16.12 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

ICVBN021920

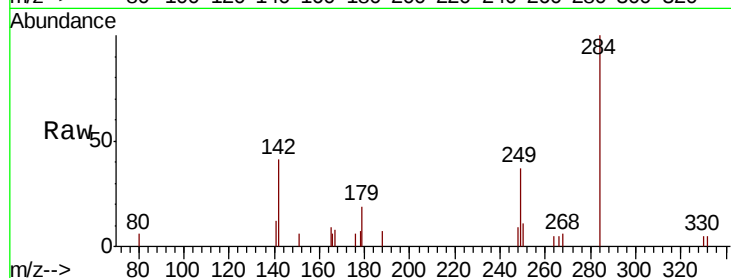
Tot Ion:284 Resp: 1329

Ion Ratio Lower Upper

284 100

142 41.8 33.3 49.9

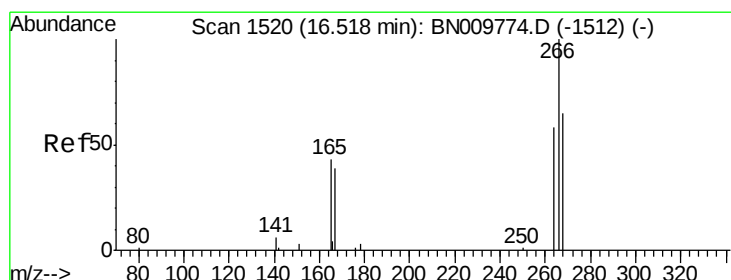
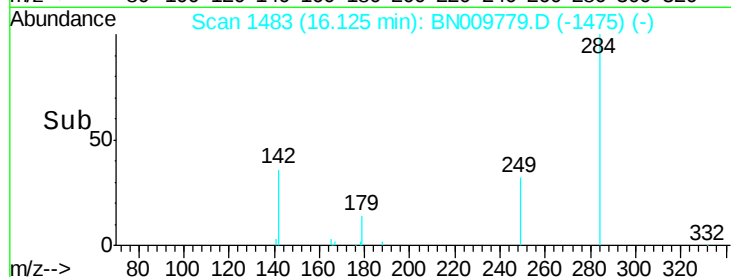
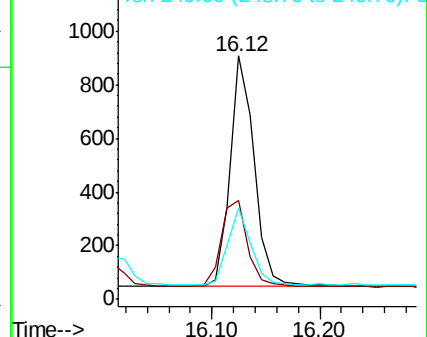
249 32.8 25.7 38.5



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.439 ng

RT: 16.51 min Scan# 1519

Delta R.T. -0.01 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

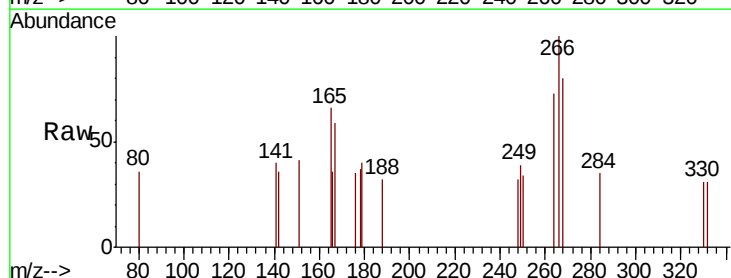
Tgt Ion:266 Resp: 305

Ion Ratio Lower Upper

266 100

264 72.7 58.1 87.1

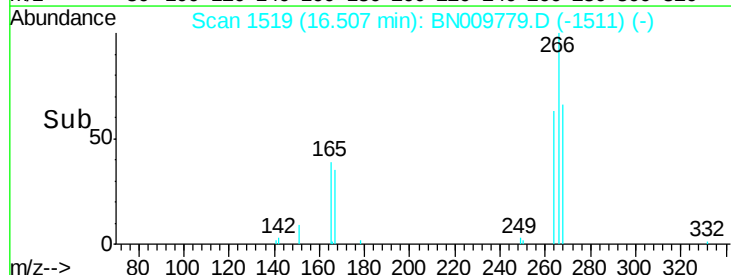
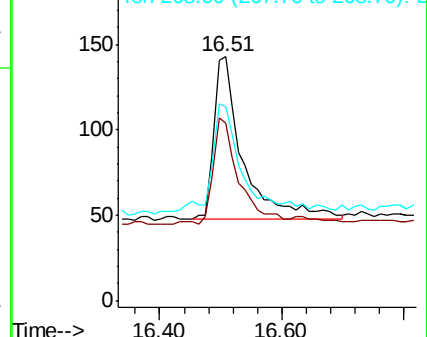
268 79.7 65.7 98.5

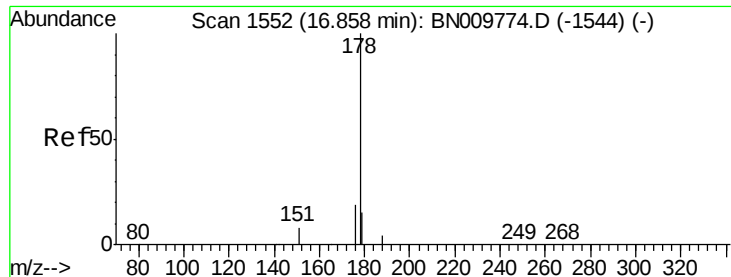


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.383 ng

RT: 16.85 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

ICVBN021920

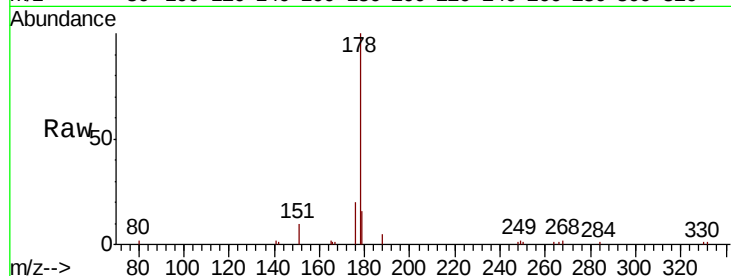
Tot Ion:178 Resp: 6399

Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

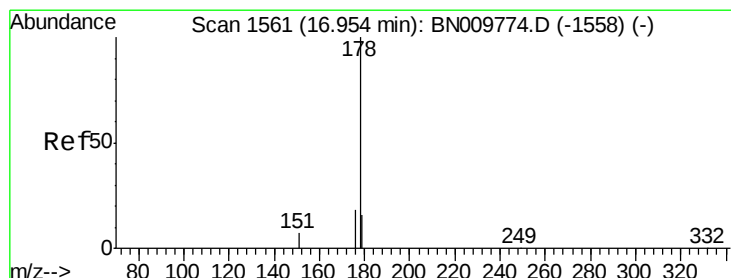
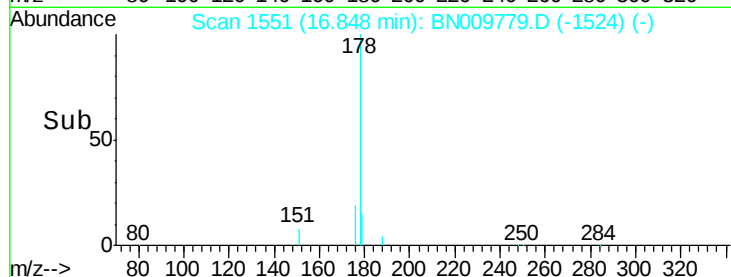
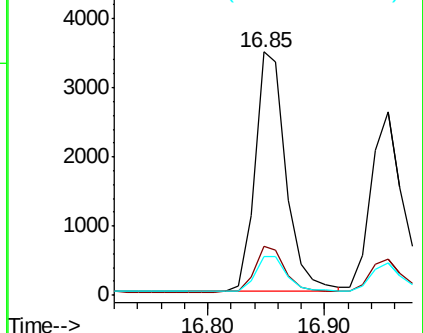
179 15.2 12.4 18.6



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: 0.362 ng

RT: 16.95 min Scan# 1561

Delta R.T. 0.00 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

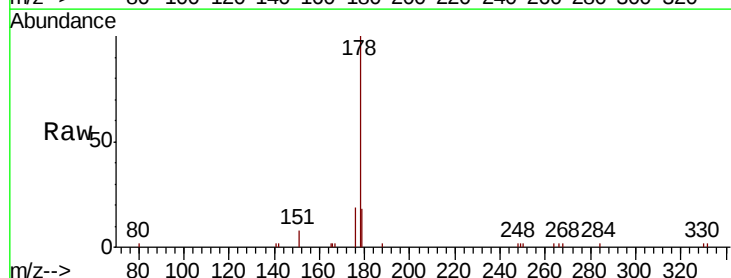
Tgt Ion:178 Resp: 5108

Ion Ratio Lower Upper

178 100

176 18.0 14.3 21.5

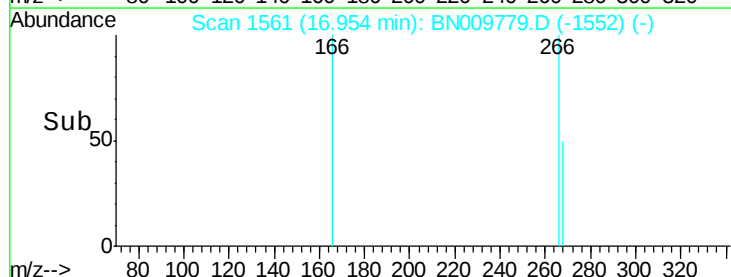
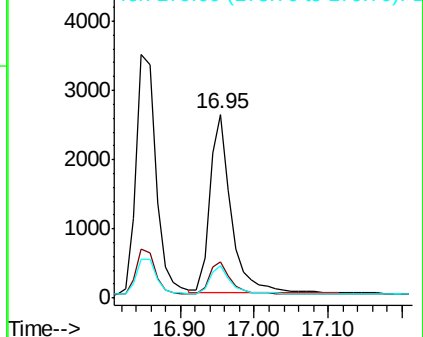
179 15.3 12.4 18.6

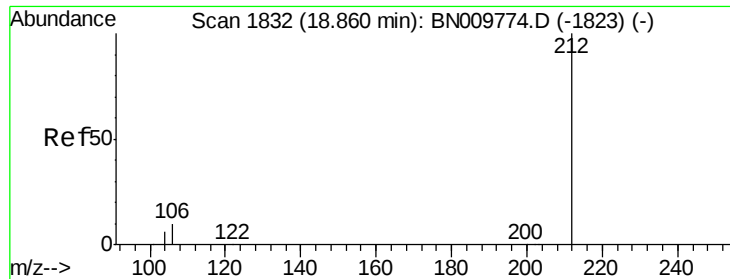


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.381 ng

RT: 18.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

ICVBN021920

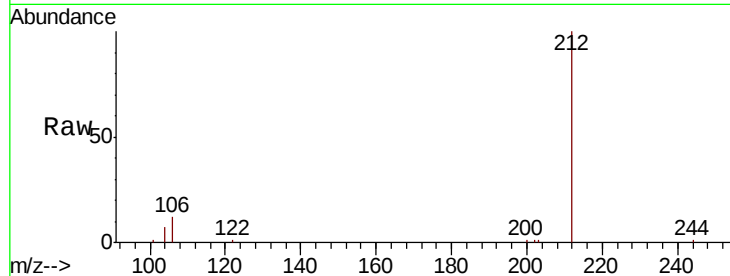
Tot Ion:212 Resp: 7390

Ion Ratio Lower Upper

212 100

106 11.2 8.4 12.6

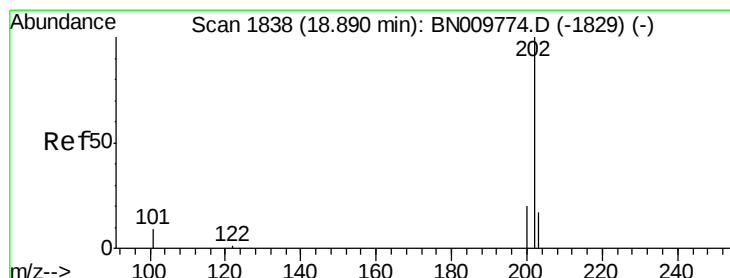
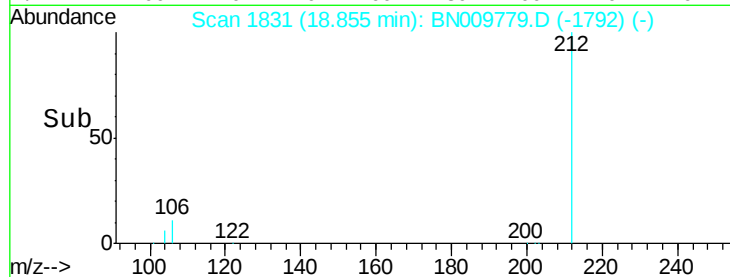
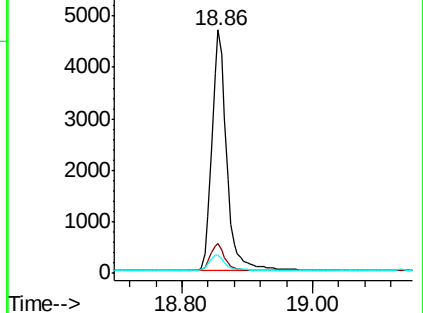
104 6.4 4.8 7.2



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: 0.377 ng

RT: 18.88 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

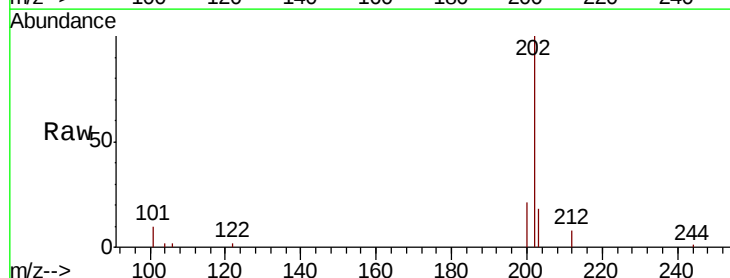
Tgt Ion:202 Resp: 7529

Ion Ratio Lower Upper

202 100

101 8.9 7.1 10.7

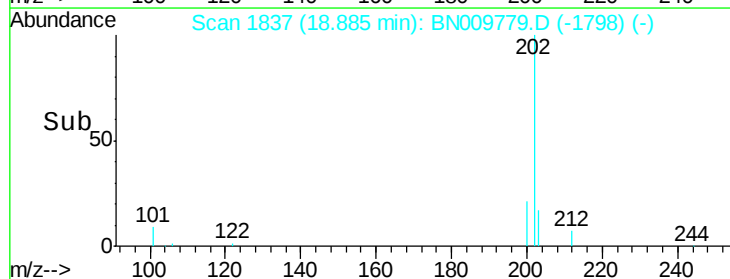
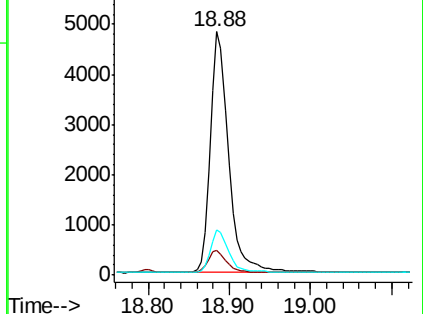
203 17.2 13.8 20.6



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: 21.03 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

ICVBN021920

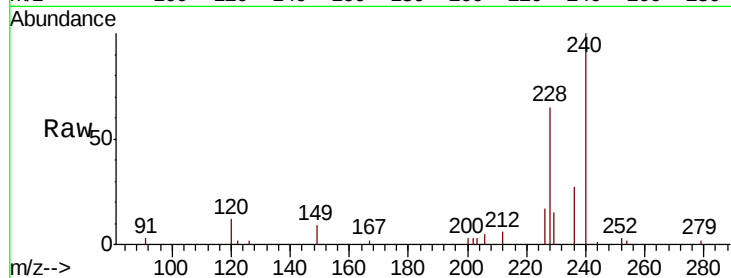
Tot Ion:240 Resp: 5308

Ion Ratio Lower Upper

240 100

120 12.0 7.9 11.9#

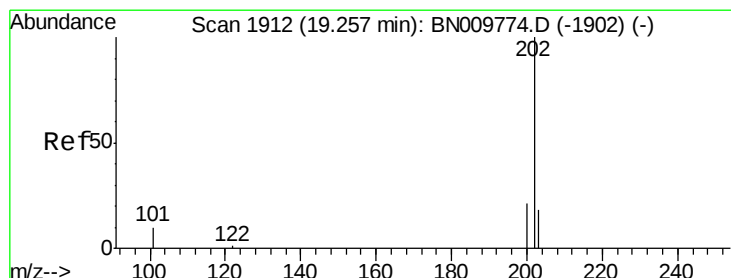
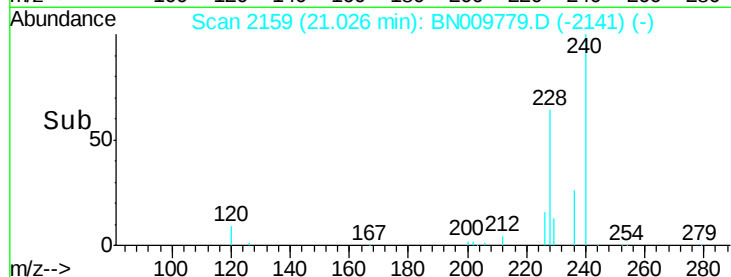
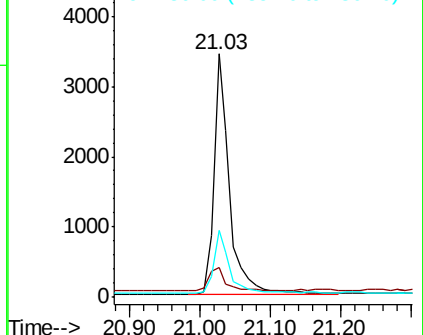
236 27.3 22.0 33.0



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: 0.371 ng

RT: 19.26 min Scan# 1912

Delta R.T. 0.00 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

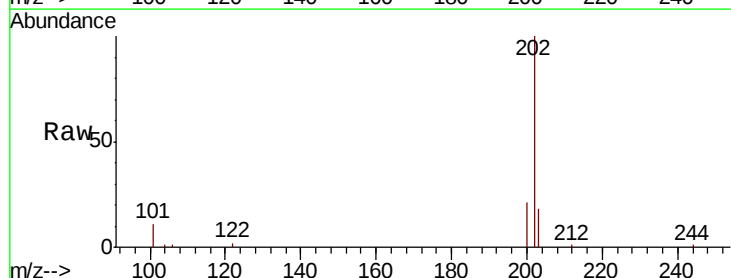
Tgt Ion:202 Resp: 7487

Ion Ratio Lower Upper

202 100

200 20.6 16.4 24.6

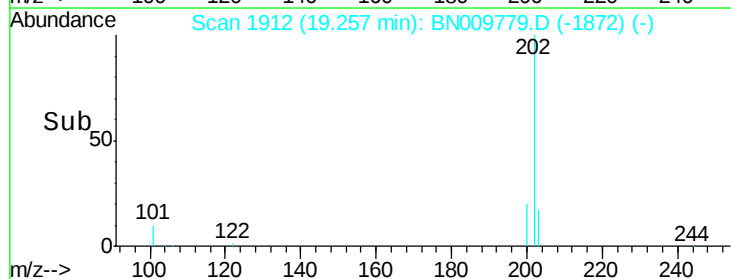
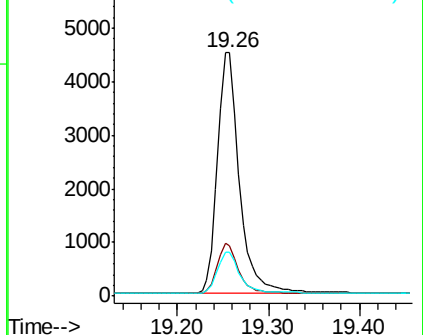
203 17.6 13.9 20.9

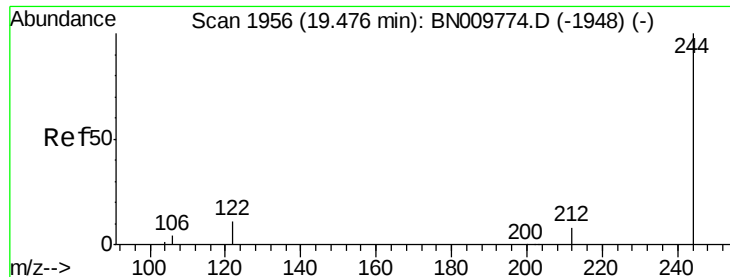


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.379 ng

RT: 19.47 min Scan# 1955

Delta R.T. -0.00 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

ICVBN021920

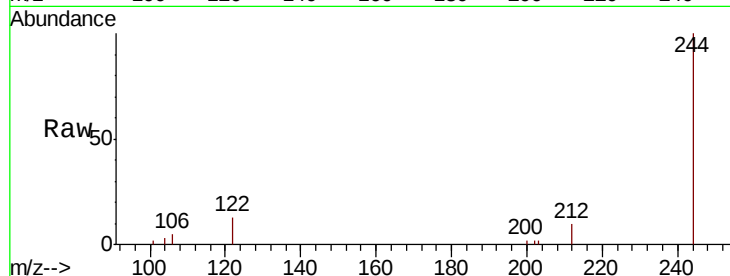
Tot Ion:244 Resp: 4801

Ion Ratio Lower Upper

244 100

212 9.9 8.0 12.0

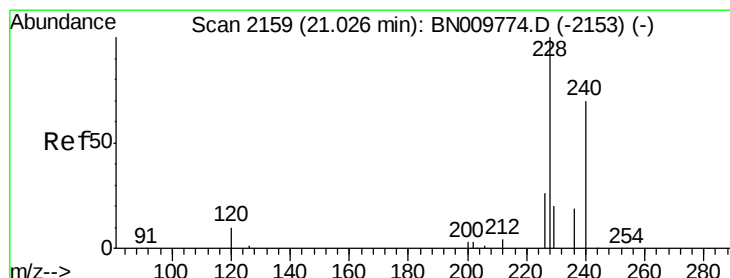
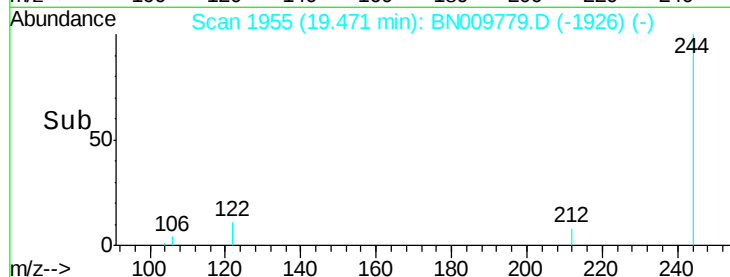
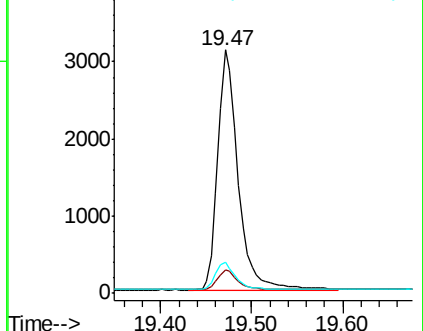
122 12.6 10.0 15.0



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: 0.378 ng

RT: 21.02 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

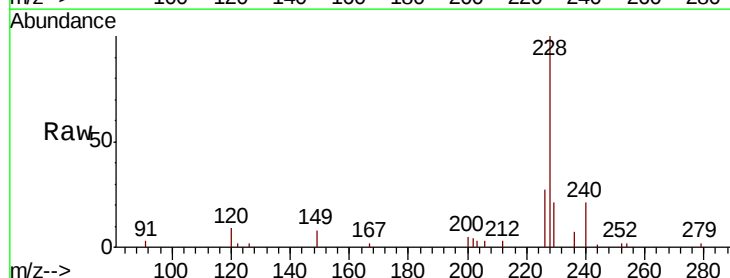
Tgt Ion:228 Resp: 6652

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

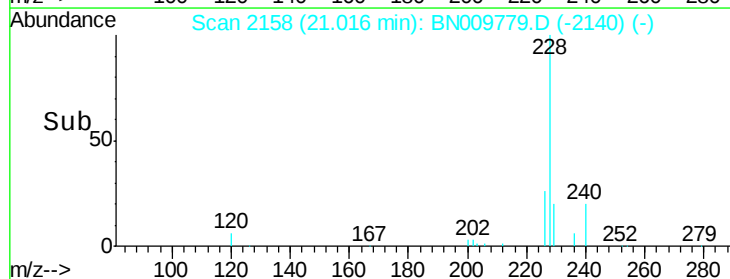
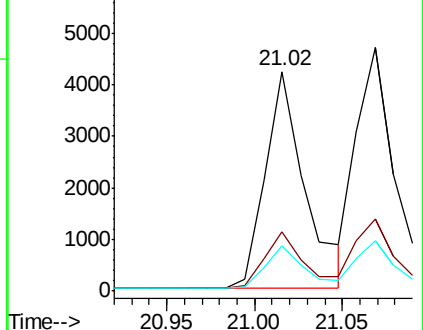
229 20.7 17.1 25.7

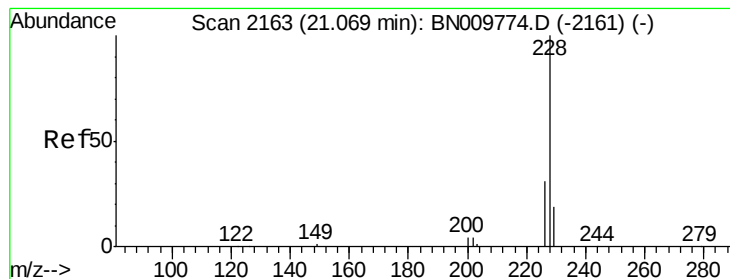


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.363 ng

RT: 21.07 min Scan# 2163

Delta R.T. 0.00 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

ICVBN021920

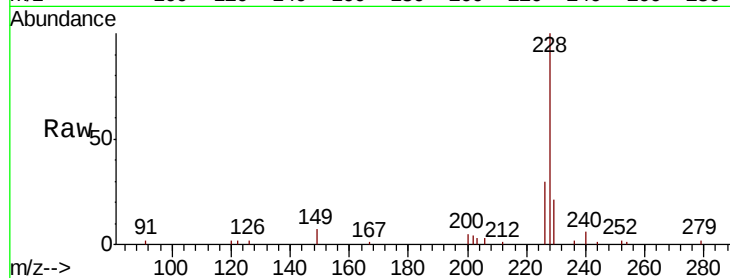
Tot Ion:228 Resp: 7407

Ion Ratio Lower Upper

228 100

226 29.7 24.8 37.2

229 20.6 16.4 24.6

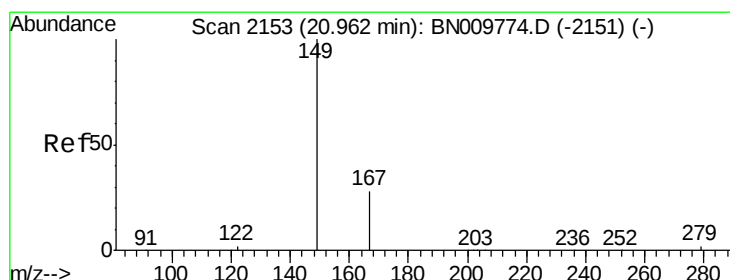
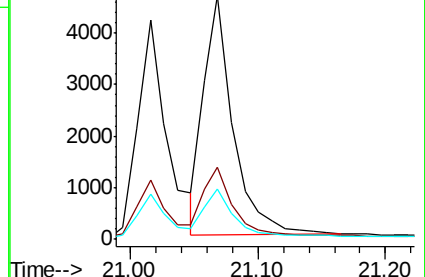
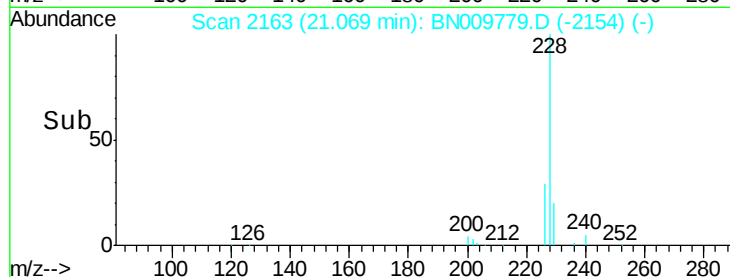


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.07



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.378 ng

RT: 20.96 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

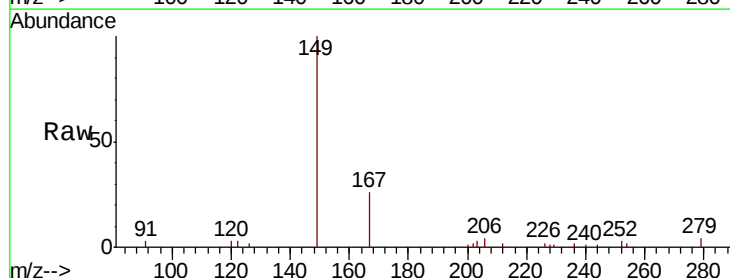
Tgt Ion:149 Resp: 3248

Ion Ratio Lower Upper

149 100

167 28.1 22.7 34.1

279 4.7 3.1 4.7

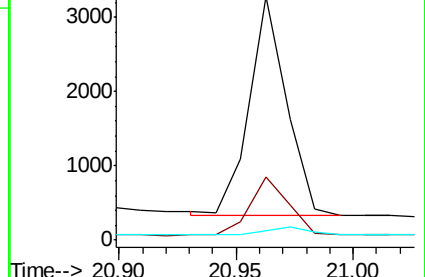
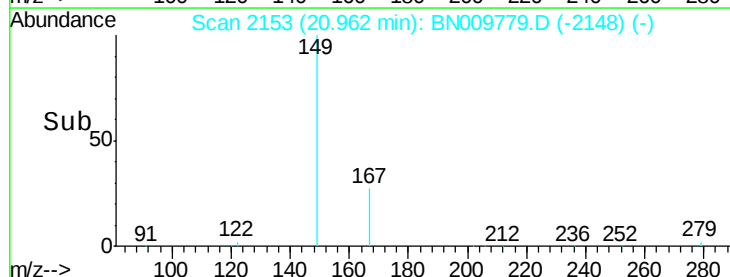


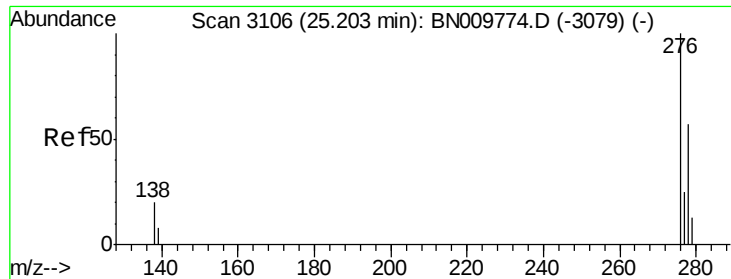
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

20.96





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.372 ng

RT: 25.21 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

ICVBN021920

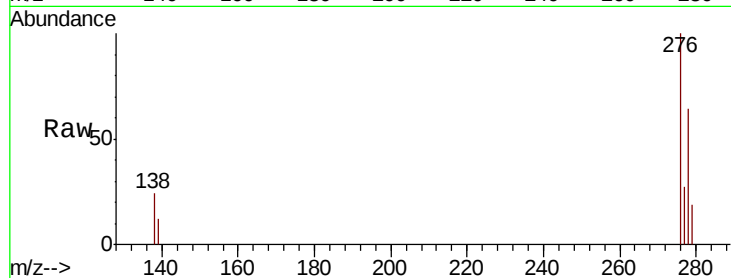
Tot Ion:276 Resp: 7889

Ion Ratio Lower Upper

276 100

138 20.6 15.8 23.6

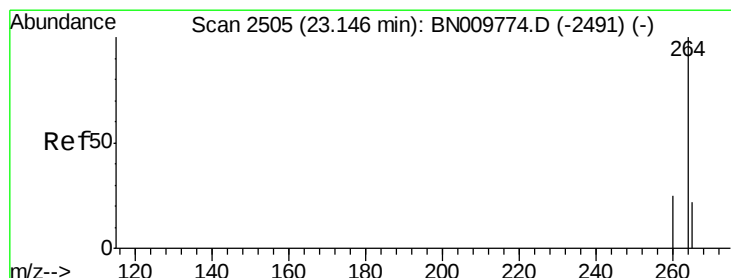
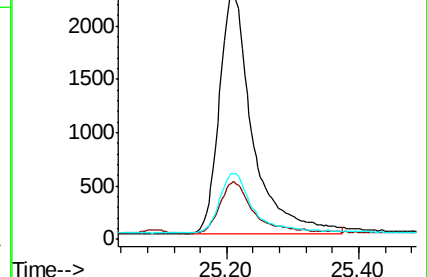
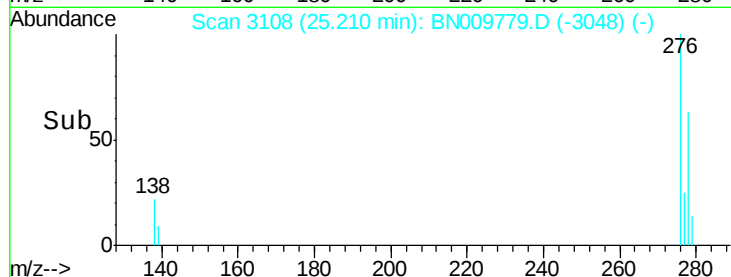
277 23.9 19.3 28.9



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: 23.15 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

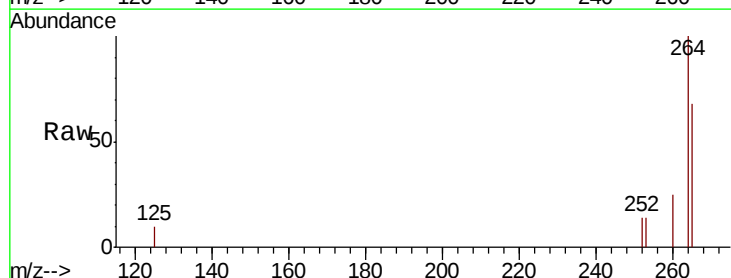
Tgt Ion:264 Resp: 5240

Ion Ratio Lower Upper

264 100

260 25.3 21.1 31.7

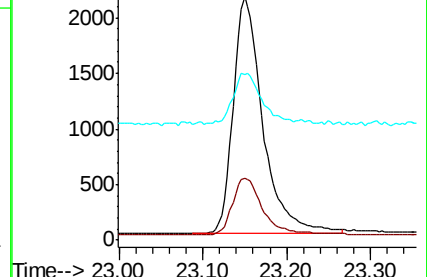
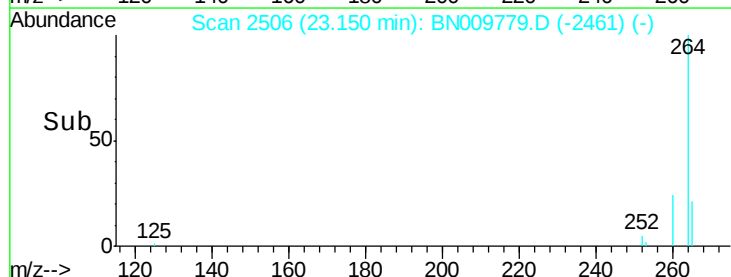
265 68.2 57.5 86.3

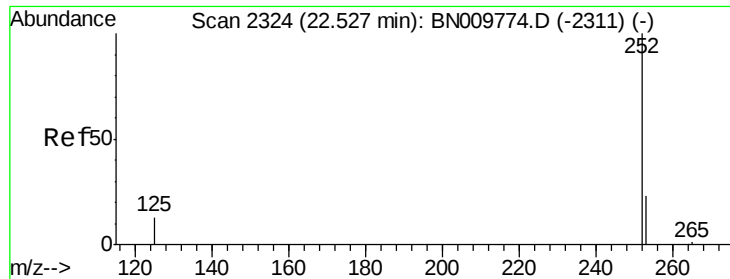


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.374 ng

RT: 22.53 min Scan# 2325

Delta R.T. 0.00 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

ICVBN021920

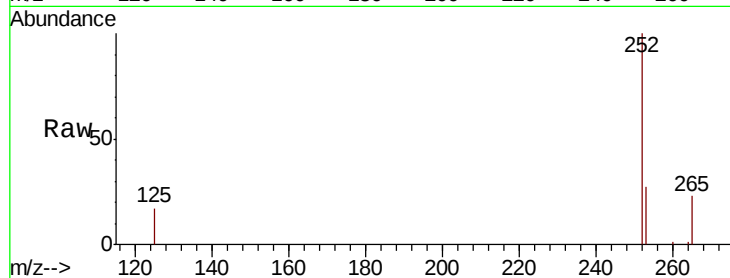
Tot Ion:252 Resp: 7171

Ion Ratio Lower Upper

252 100

253 27.0 23.0 34.6

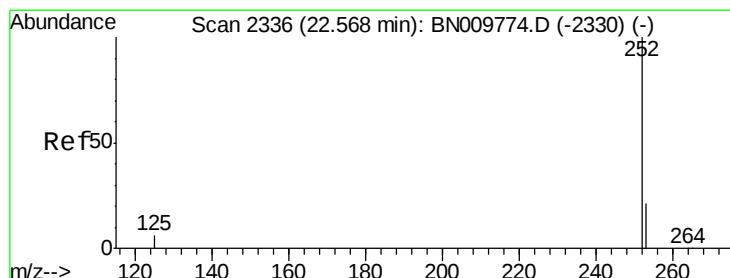
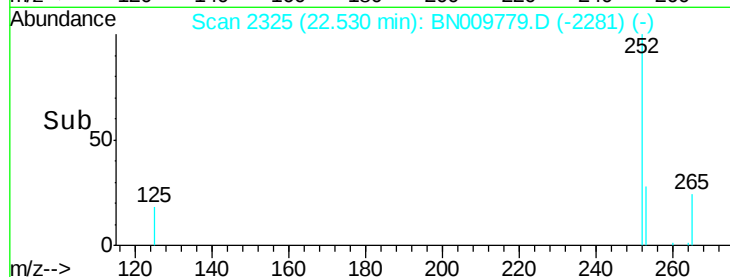
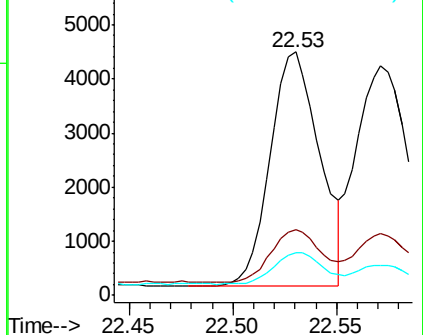
125 17.4 14.4 21.6



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: 0.376 ng

RT: 22.57 min Scan# 2337

Delta R.T. 0.00 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

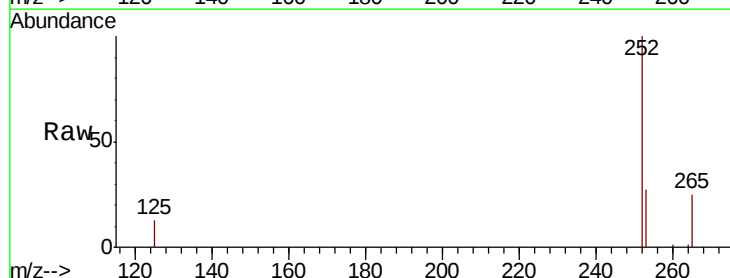
Tgt Ion:252 Resp: 7851

Ion Ratio Lower Upper

252 100

253 26.9 22.2 33.2

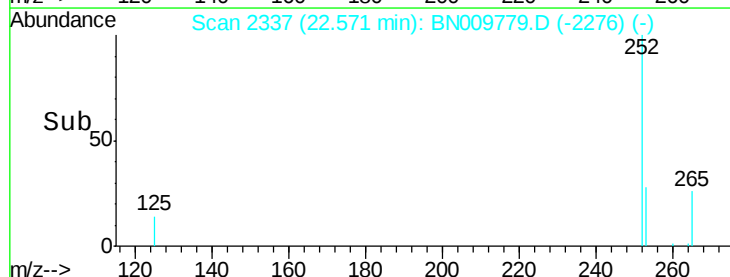
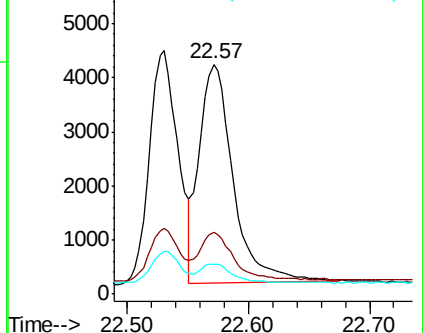
125 13.0 10.5 15.7

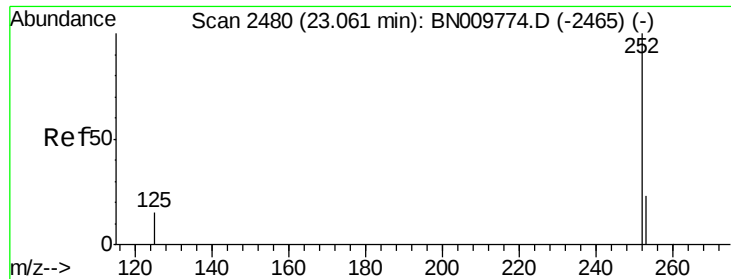


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.392 ng

RT: 23.06 min Scan# 2481

Delta R.T. 0.00 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

ICVBN021920

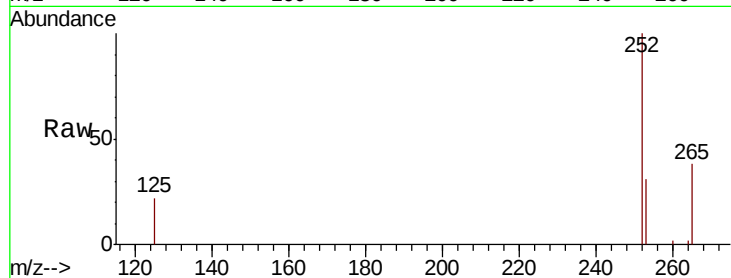
Tot Ion:252 Resp: 6858

Ion Ratio Lower Upper

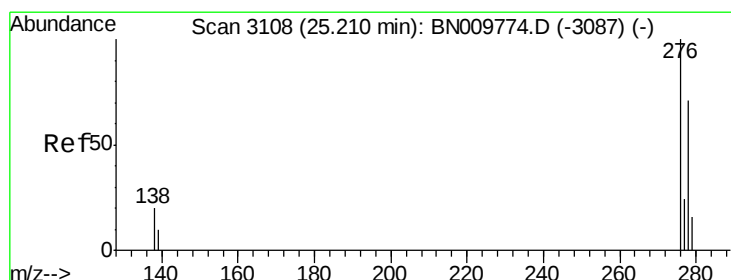
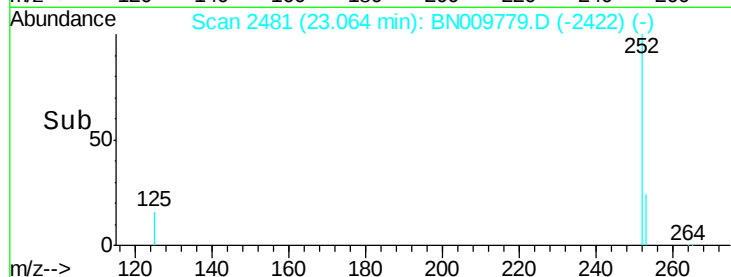
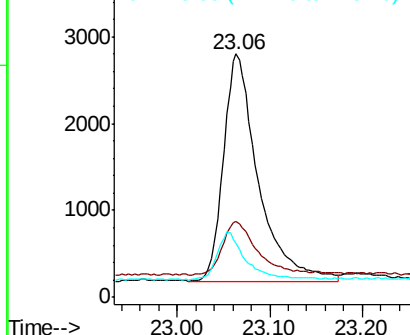
252 100

253 31.4 25.3 37.9

125 22.4 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: 0.369 ng

RT: 25.22 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BN009779.D

Acq: 19 Feb 2020 16:10

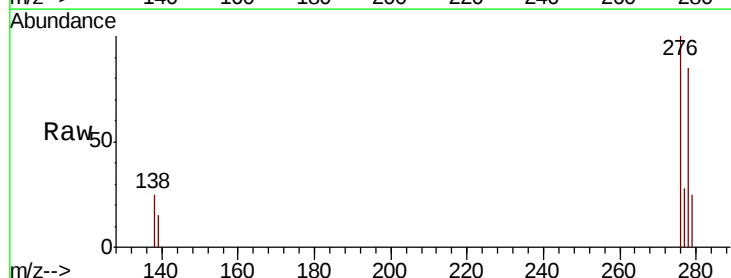
Tgt Ion:278 Resp: 6344

Ion Ratio Lower Upper

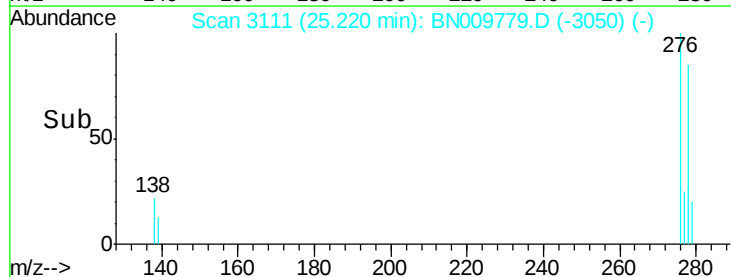
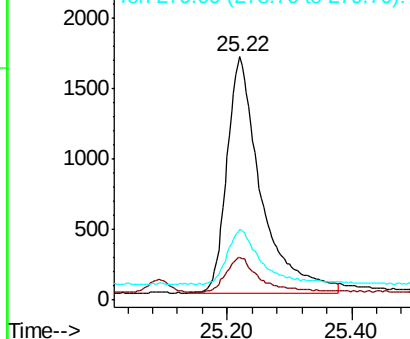
278 100

139 17.7 14.5 21.7

279 28.9 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: 0.369 ng

RT: 25.83 min Scan# 3290

Delta R.T. 0.00 min

Lab File: BN009779.D

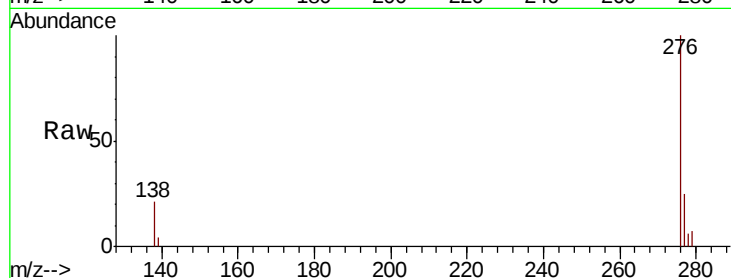
Acq: 19 Feb 2020 16:10

Instrument :

BNA_N

ClientSampleId :

ICVBN021920



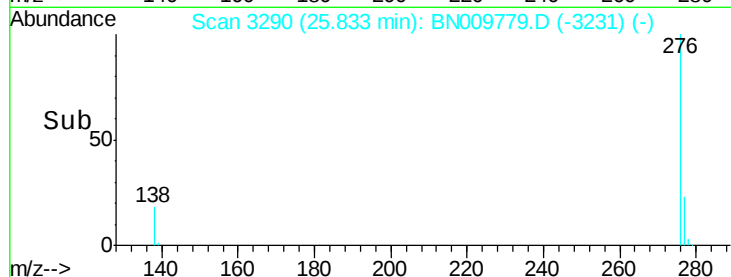
Tot Ion: 276 Resp: 6769

Ion Ratio Lower Upper

276 100

277 25.5 21.4 32.0

138 21.1 16.6 24.8



Abundance Ion 276.00 (275.70 to 276.70): E

2500 Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

