

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030220\
 Data File : BN010041.D
 Acq On : 02 Mar 2020 15:45
 Operator : CG/JU
 Sample : L1613-02MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 02 18:17:01 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	7.38	152	1039	0.40	ng	-0.04
7) Naphthalene-d8	10.13	136	3613	0.40	ng	-0.05
13) Acenaphthene-d10	14.01	164	2292	0.40	ng	-0.04
19) Phenanthrene-d10	16.77	188	4705	0.40	ng	-0.04
27) Chrysene-d12	20.99	240	4288	0.40	ng	-0.04
34) Perylene-d12	23.09	264	4811	0.40	ng	-0.06

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	854	0.37	ng	-0.03
5) Phenol-d6	6.60	99	1117	0.40	ng	-0.05
8) Nitrobenzene-d5	8.55	82	1138	0.38	ng	-0.04
11) 2-Methylnaphthalene-d10	11.73	152	2094	0.30	ng	-0.06
14) 2,4,6-Tribromophenol	15.54	330	314	0.36	ng	-0.04
15) 2-Fluorobiphenyl	12.63	172	3398	0.39	ng	-0.06
25) Fluoranthene-d10	18.82	212	4053	0.25	ng	-0.04
29) Terphenyl-d14	19.43	244	3680	0.36	ng	-0.04

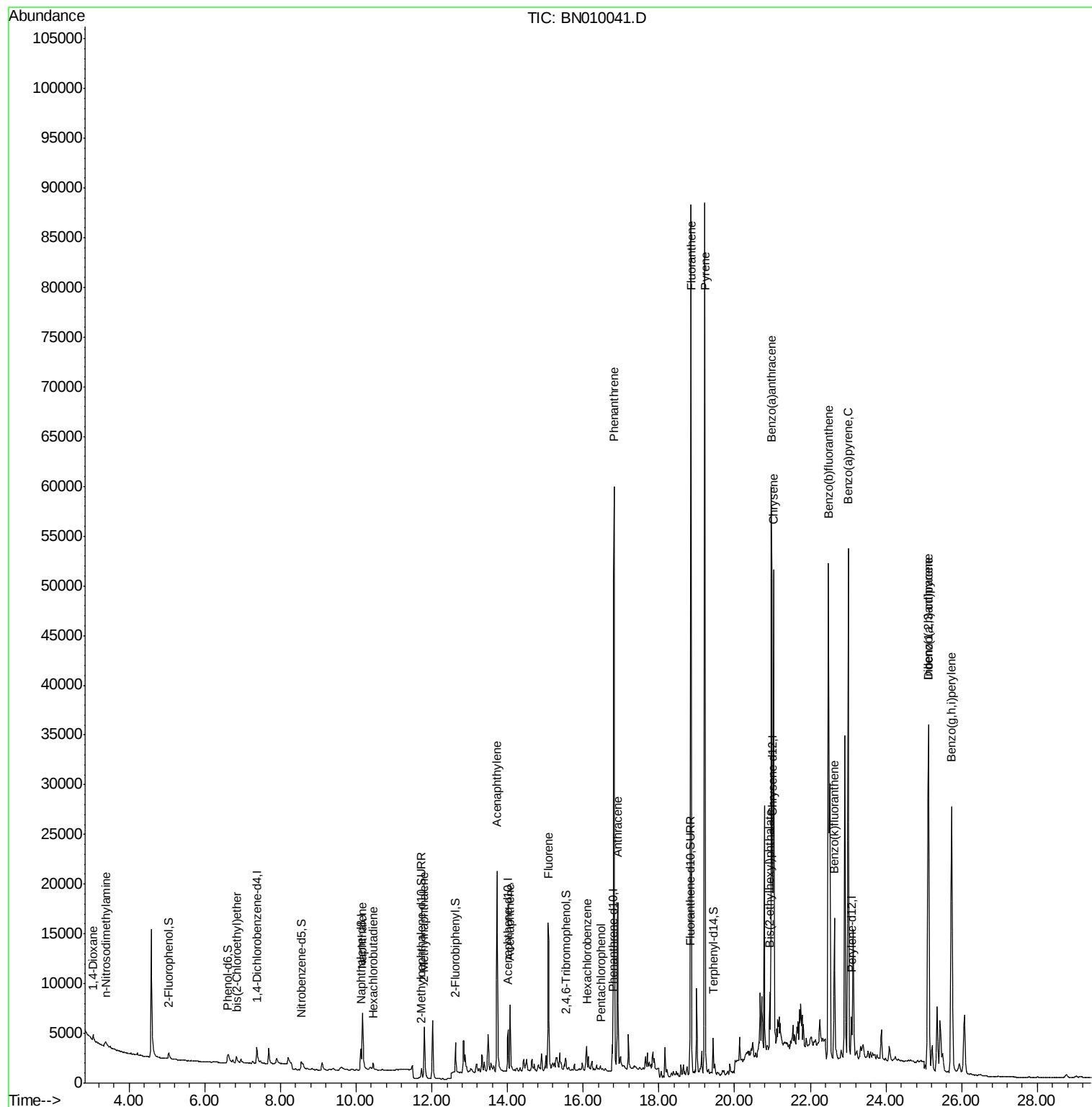
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.06	88	242	0.227	ng	# 1
3) n-Nitrosodimethylamine	3.38	42	599	0.343	ng	# 89
6) bis(2-Chloroethyl)ether	6.84	93	729	0.267	ng	95
9) Naphthalene	10.16	128	9973	1.012	ng	96
10) Hexachlorobutadiene	10.44	225	579	0.267	ng	# 95
12) 2-Methylnaphthalene	11.80	142	5029	0.744	ng	98
16) Acenaphthylene	13.72	152	24854	2.544	ng	99
17) Acenaphthene	14.07	154	3647	0.531	ng	99
18) Fluorene	15.07	166	9811	1.082	ng	96
20) 4-Bromophenyl-phenylether	16.01	248	163	Below Cal		# 73
21) Hexachlorobenzene	16.09	284	804	0.274	ng	98
22) Pentachlorophenol	16.46	266	143	0.324	ng	96
23) Phenanthrene	16.82	178	64152	4.581	ng	99
24) Anthracene	16.91	178	20726	1.751	ng	99
26) Fluoranthene	18.84	202	77594	4.628	ng	99
28) Pyrene	19.21	202	79831	4.903	ng	98
30) Benzo(a)anthracene	20.97	228	53562	3.764	ng	96
31) Chrysene	21.03	228	40405	2.454	ng	99
32) Bis(2-ethylhexyl)phthalate	20.93	149	4009	0.577	ng	100
33) Indeno(1,2,3-cd)pyrene	25.12	276	47830	2.790	ng	99
35) Benzo(b)fluoranthene	22.48	252	73710	4.191	ng	# 87
36) Benzo(k)fluoranthene	22.64	252	18946	0.989	ng	99
37) Benzo(a)pyrene	23.00	252	64436	4.015	ng	# 81
38) Dibenzo(a,h)anthracene	25.12	278	16602	1.051	ng	97
39) Benzo(g,h,i)perylene	25.73	276	50303	2.988	ng	96

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

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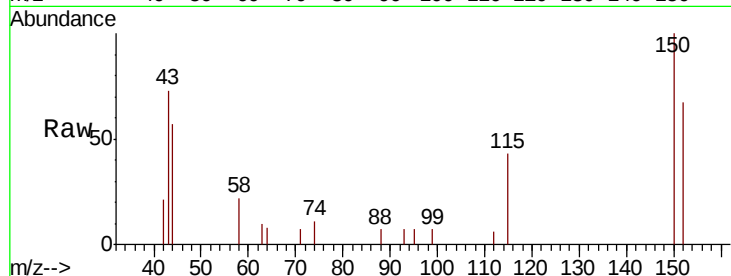


#1

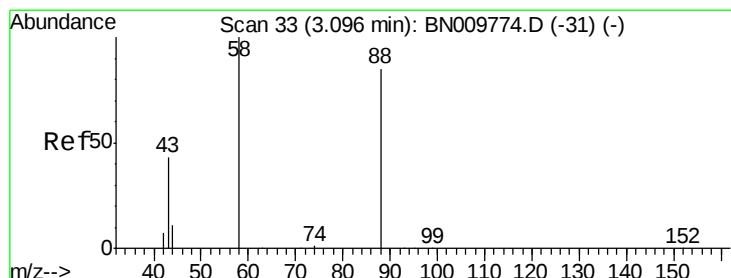
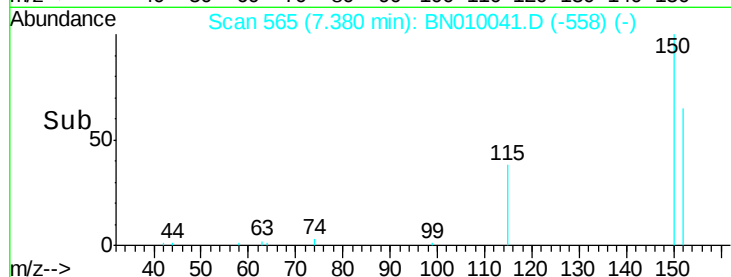
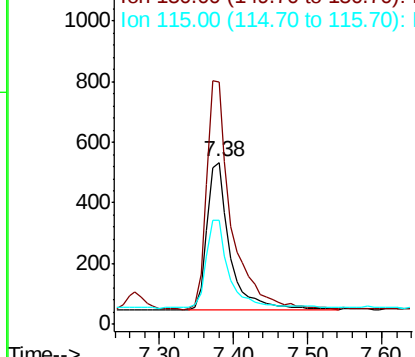
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 565
Delta R.T. -0.04 min
Lab File: BN010041.D
Acq: 02 Mar 2020 15:45

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 1039
Ion Ratio Lower Upper
152 100
150 149.8 120.6 181.0
115 64.0 51.2 76.8



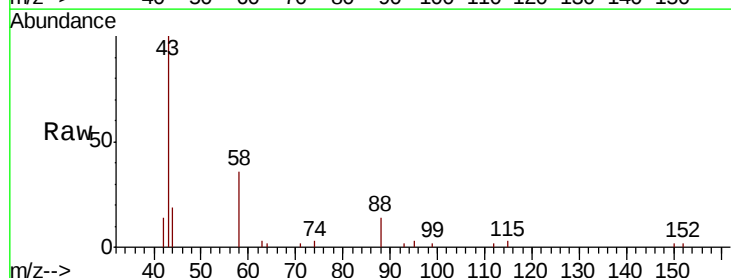
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



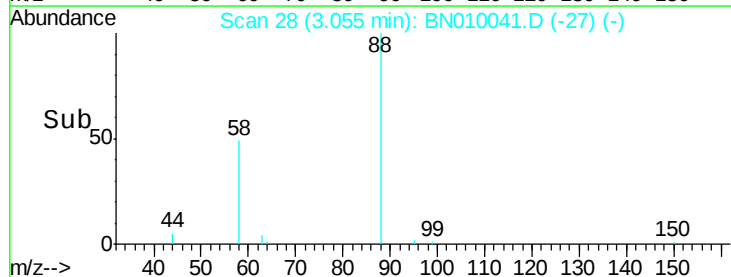
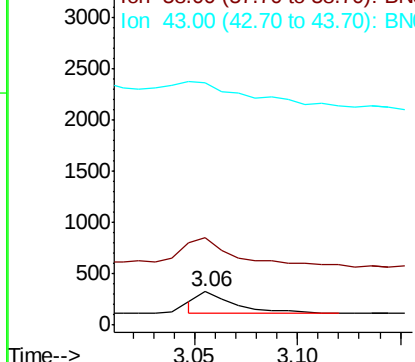
#2

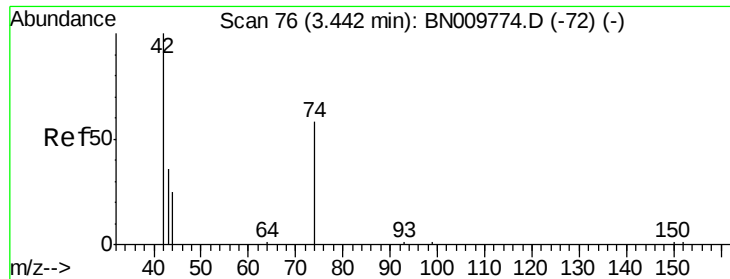
1,4-Dioxane
Concen: 0.227 ng
RT: 3.06 min Scan# 28
Delta R.T. -0.04 min
Lab File: BN010041.D
Acq: 02 Mar 2020 15:45

Tgt Ion: 88 Resp: 242
Ion Ratio Lower Upper
88 100
58 0.0 97.8 146.8#
43 0.0 45.1 67.7#



Abundance Ion 88.00 (87.70 to 88.70): BN0
Ion 58.00 (57.70 to 58.70): BN0
Ion 43.00 (42.70 to 43.70): BN0



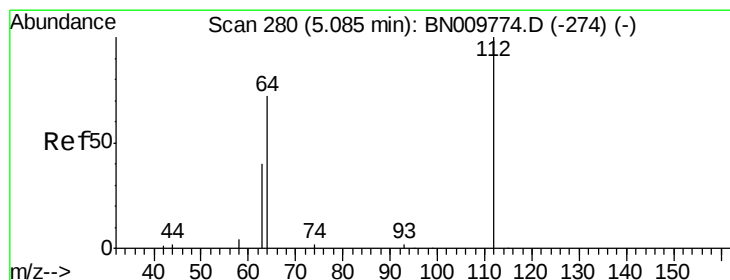
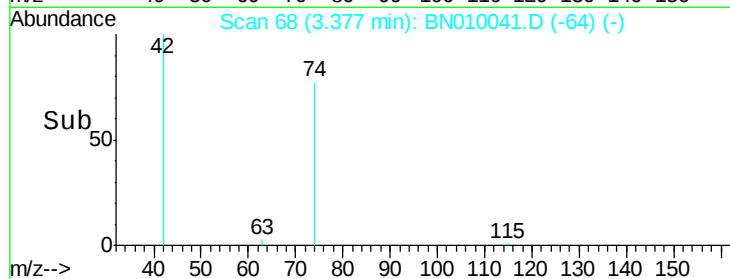
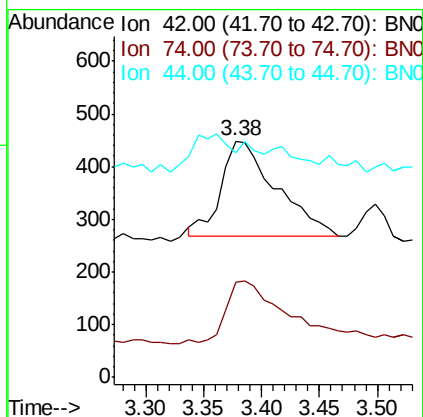
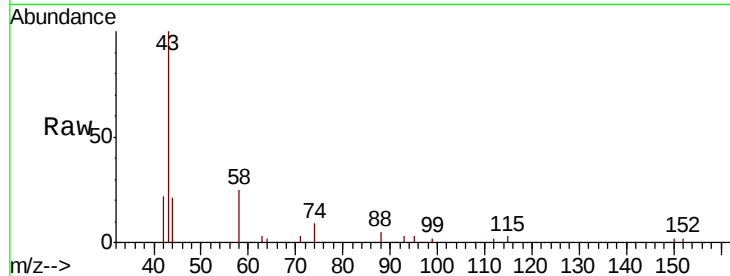


#3

n-Nitrosodimethylamine
 Concen: 0.343 ng
 RT: 3.38 min Scan# 68
 Delta R.T. -0.06 min
 Lab File: BN010041.D
 Acq: 02 Mar 2020 15:45

Instrument :
 BNA_N
 ClientSampled :

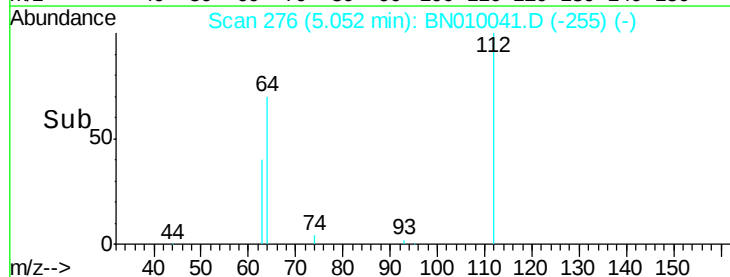
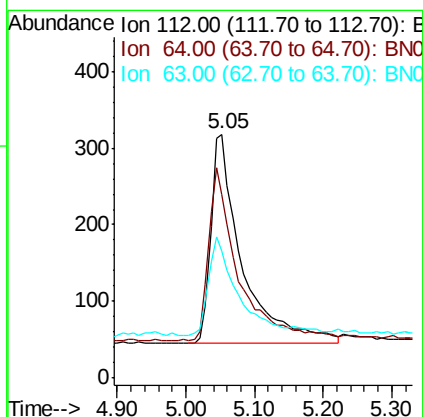
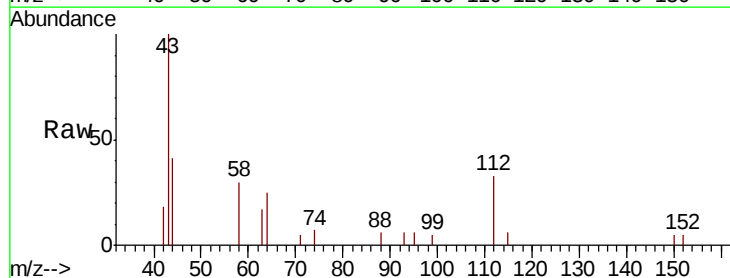
Tot Ion: 42 Resp: 599
 Ion Ratio Lower Upper
 42 100
 74 73.0 51.2 76.8
 44 0.0 2.6 4.0#

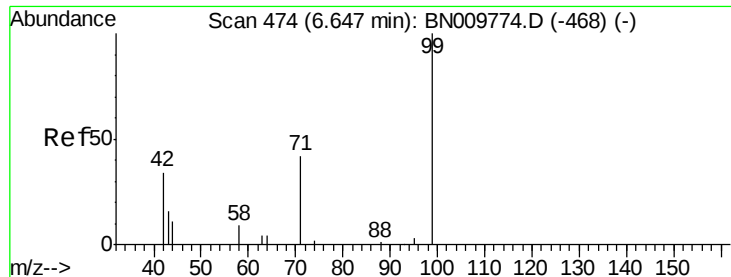


#4

2-Fluorophenol
 Concen: 0.370 ng
 RT: 5.05 min Scan# 276
 Delta R.T. -0.03 min
 Lab File: BN010041.D
 Acq: 02 Mar 2020 15:45

Tgt Ion: 112 Resp: 854
 Ion Ratio Lower Upper
 112 100
 64 81.3 65.8 98.6
 63 43.8 38.7 58.1





#5

Phenol-d6

Concen: 0.397 ng

RT: 6.60 min Scan# 468

Delta R.T. -0.05 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

Instrument :

BNA_N

ClientSampleId :

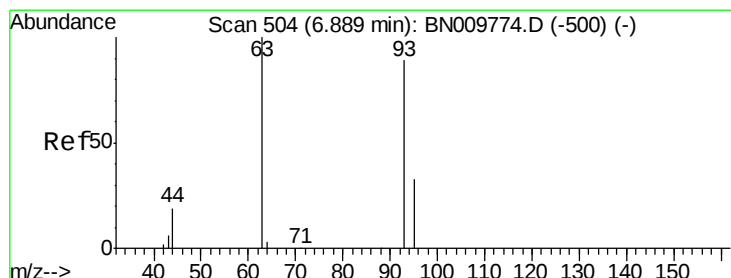
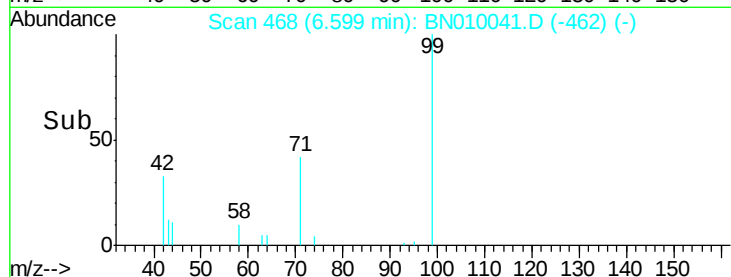
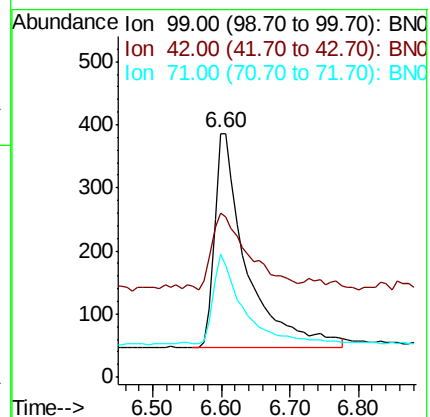
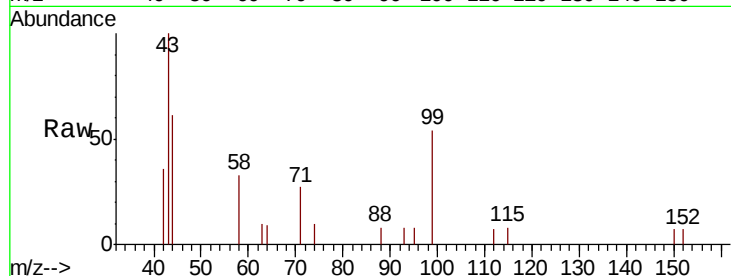
Tot Ion: 99 Resp: 1117

Ion Ratio Lower Upper

99 100

42 41.2 30.8 46.2

71 39.4 34.9 52.3



#6

bis(2-Chloroethyl)ether

Concen: 0.267 ng

RT: 6.84 min Scan# 498

Delta R.T. -0.05 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

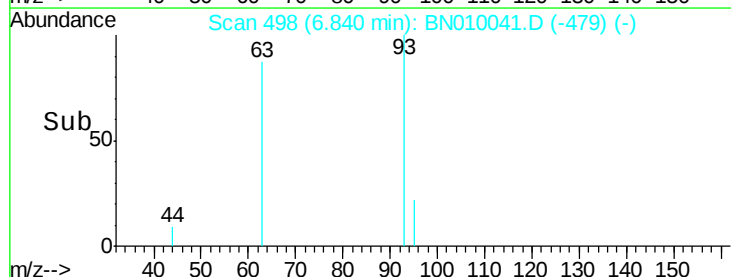
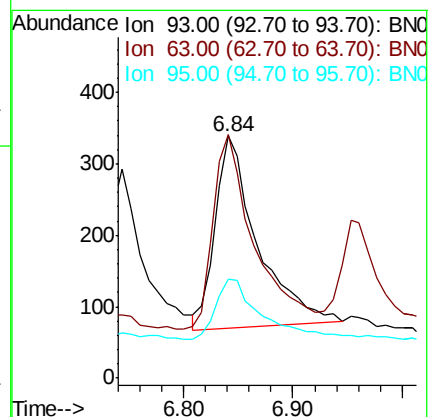
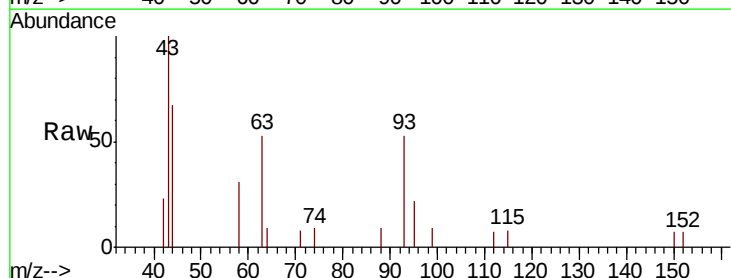
Tgt Ion: 93 Resp: 729

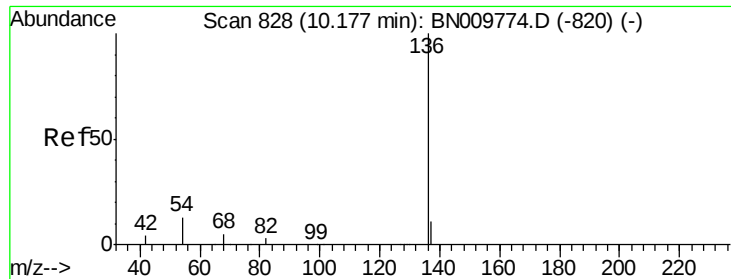
Ion Ratio Lower Upper

93 100

63 99.0 74.0 111.0

95 33.7 26.7 40.1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 824

Delta R.T. -0.05 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 3613

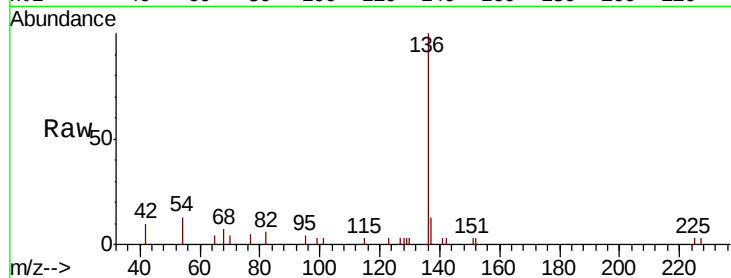
Ion Ratio Lower Upper

136 100

137 13.3 11.3 16.9

54 13.2 13.4 20.2#

68 7.3 7.0 10.4

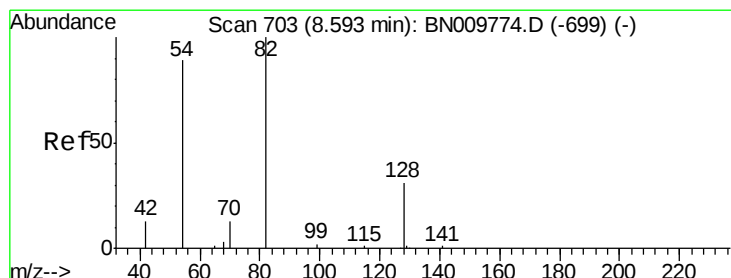
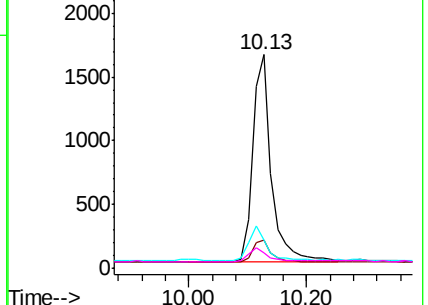
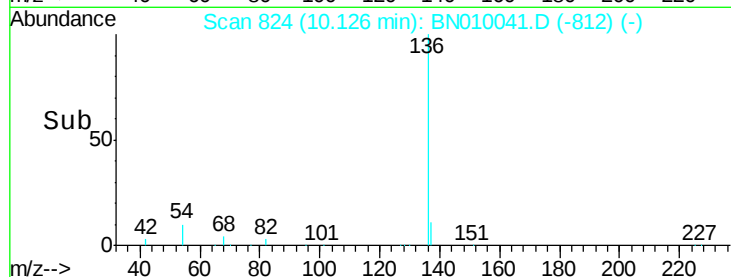


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.378 ng

RT: 8.55 min Scan# 700

Delta R.T. -0.04 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

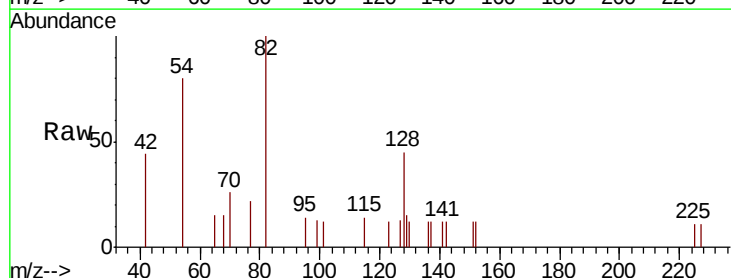
Tgt Ion: 82 Resp: 1138

Ion Ratio Lower Upper

82 100

128 44.9 32.5 48.7

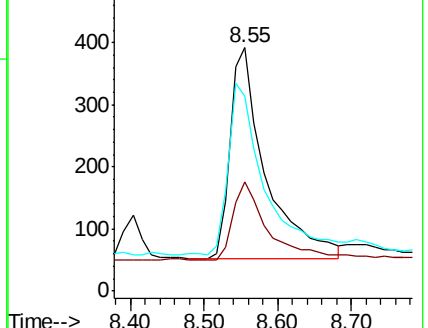
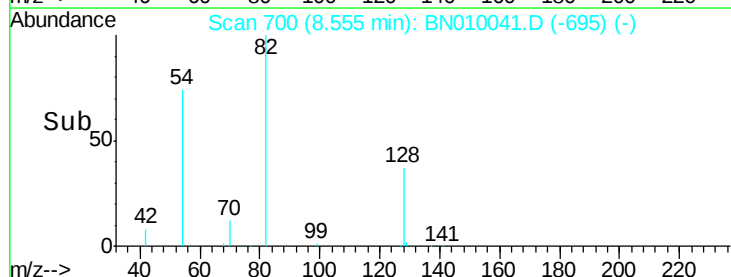
54 79.8 73.5 110.3



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: 1.012 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.06 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

Instrument :

BNA_N

ClientSampled :

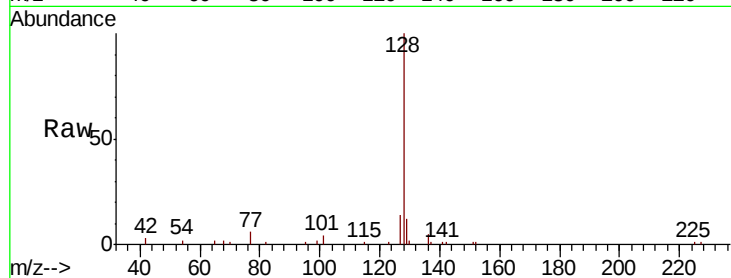
Tot Ion:128 Resp: 9973

Ion Ratio Lower Upper

128 100

129 12.1 11.1 16.7

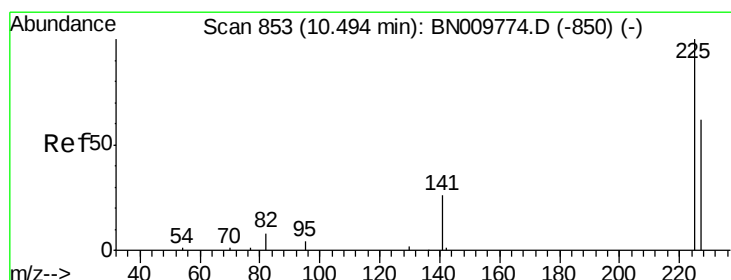
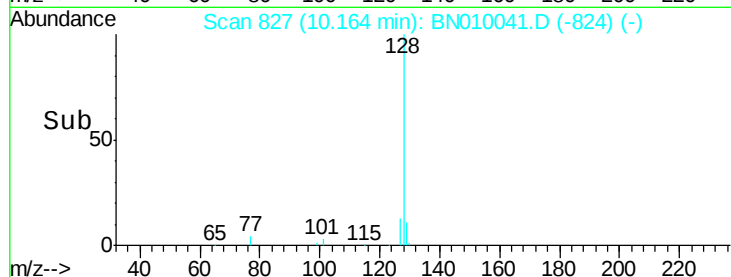
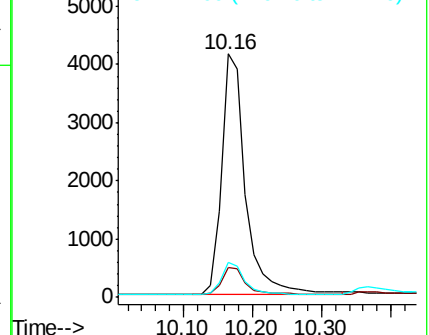
127 14.2 12.6 19.0



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: 0.267 ng

RT: 10.44 min Scan# 849

Delta R.T. -0.05 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

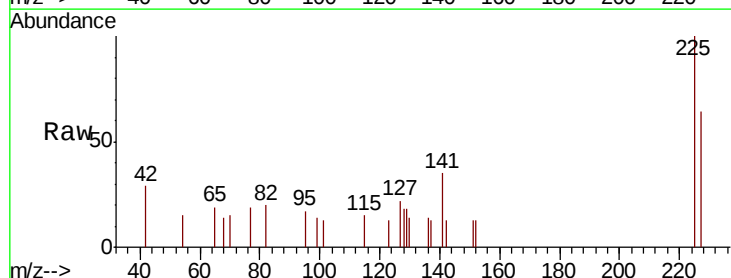
Tgt Ion:225 Resp: 579

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

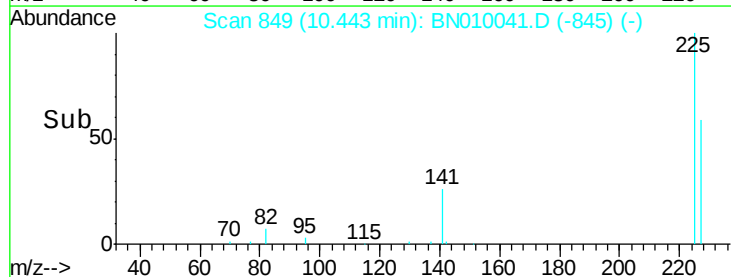
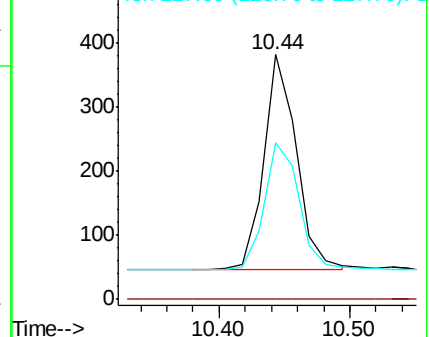
227 62.9 53.4 80.2



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: 0.300 ng

RT: 11.73 min Scan# 982

Delta R.T. -0.06 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

Instrument :

BNA_N

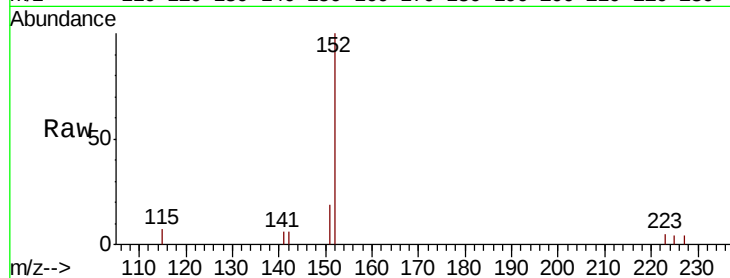
ClientSampleId :

Tot Ion:152 Resp: 2094

Ion Ratio Lower Upper

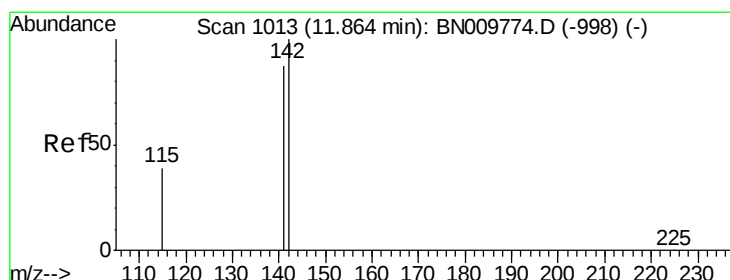
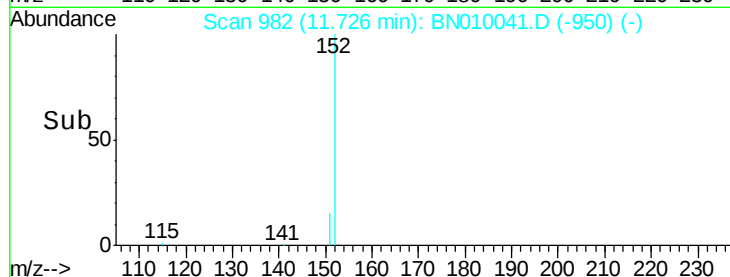
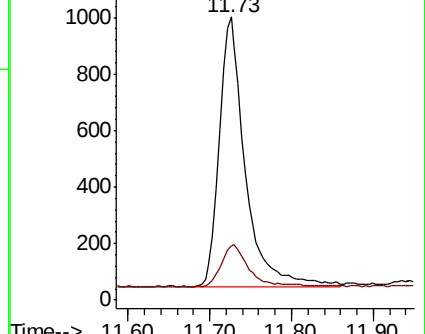
152 100

151 15.9 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: 0.744 ng

RT: 11.80 min Scan# 999

Delta R.T. -0.06 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

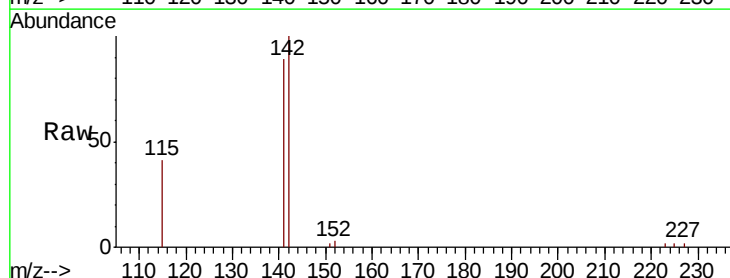
Tgt Ion:142 Resp: 5029

Ion Ratio Lower Upper

142 100

141 88.9 69.8 104.6

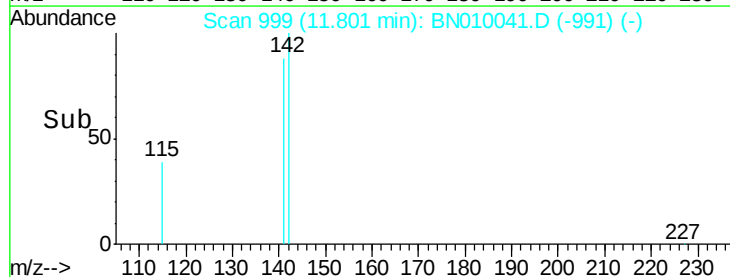
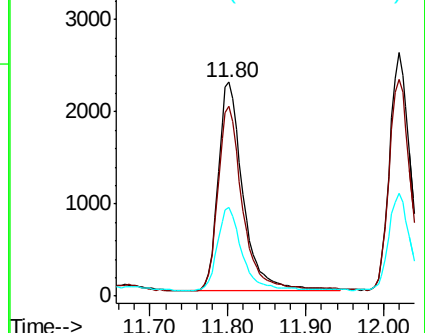
115 41.4 34.6 52.0

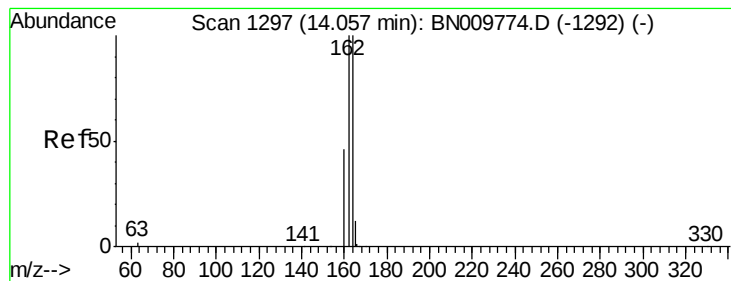


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.01 min Scan# 1293

Delta R.T. -0.04 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

Instrument :

BNA_N

ClientSampleId :

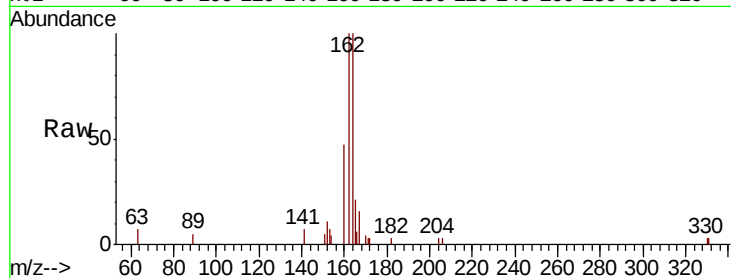
Tot Ion:164 Resp: 2292

Ion Ratio Lower Upper

164 100

162 99.7 79.9 119.9

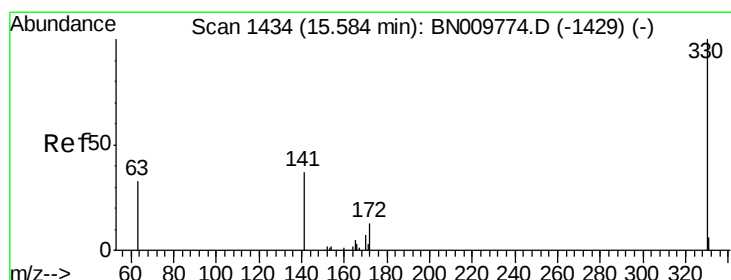
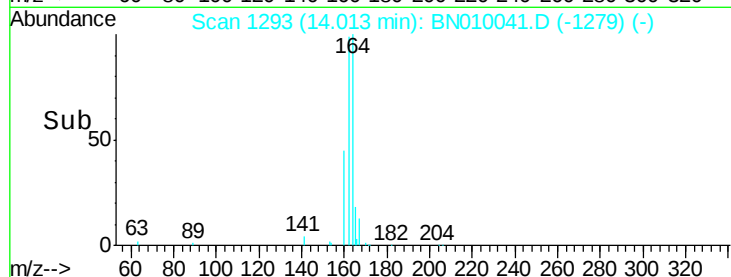
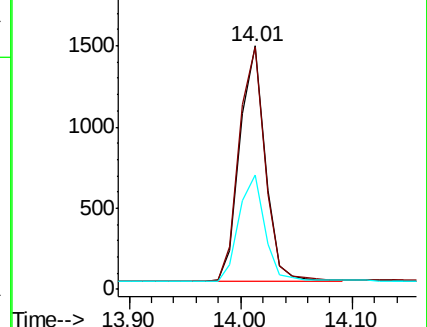
160 46.9 38.2 57.2



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: 0.356 ng

RT: 15.54 min Scan# 1430

Delta R.T. -0.04 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

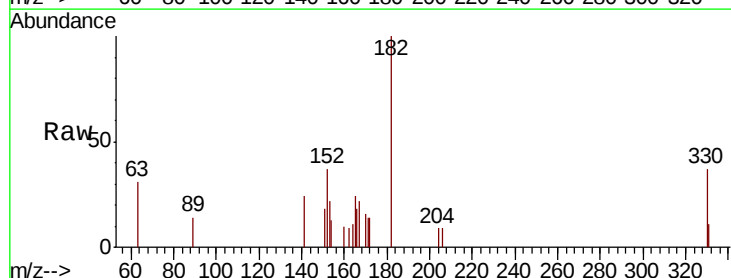
Tgt Ion:330 Resp: 314

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

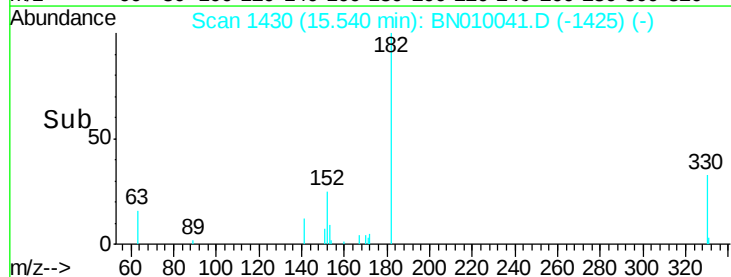
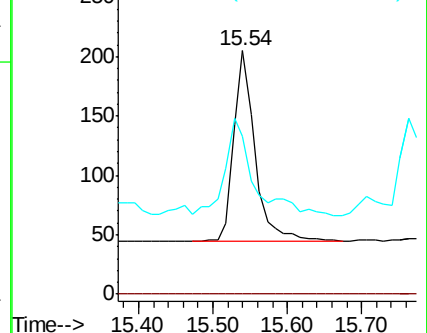
141 70.1 36.8 55.2#



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

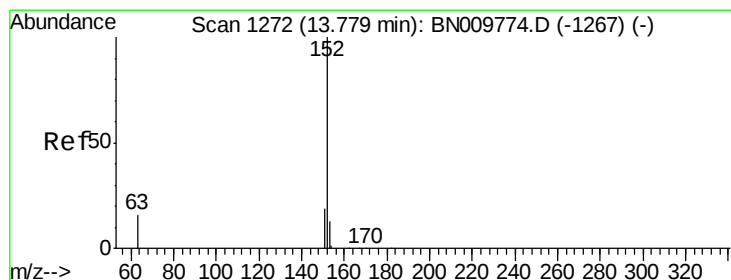
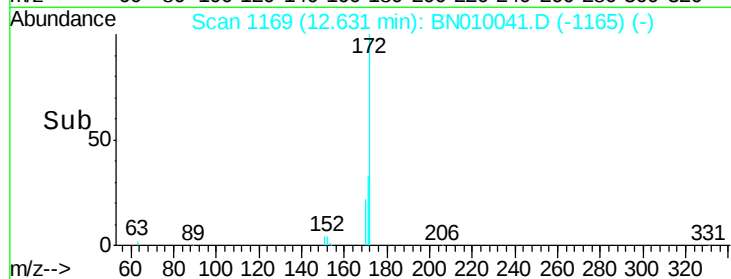
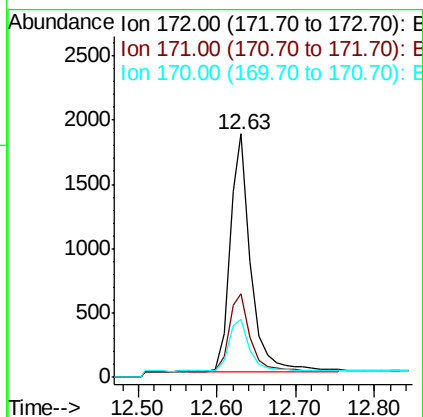
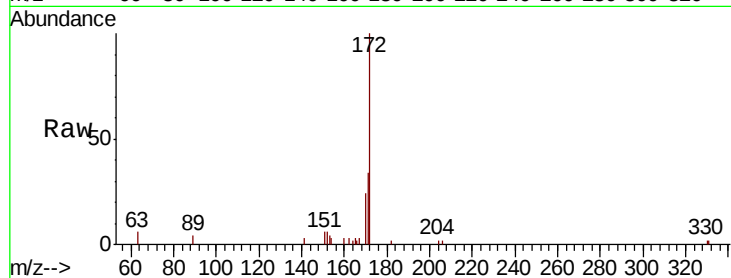




#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 12.63 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BN010041.D
Acq: 02 Mar 2020 15:45

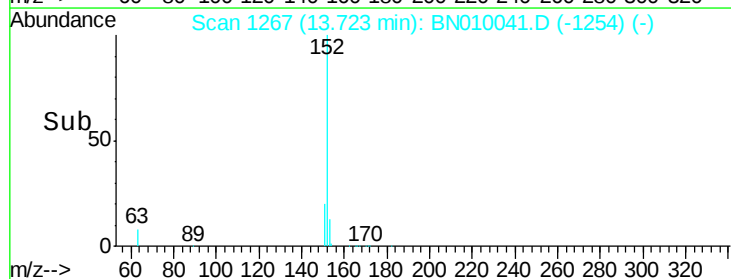
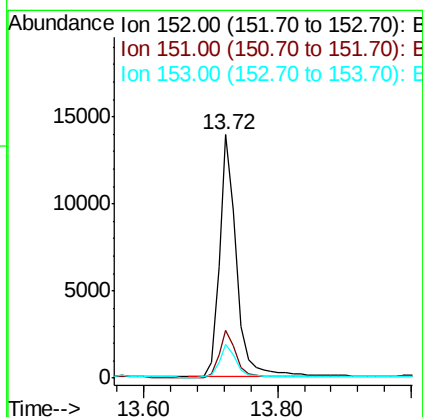
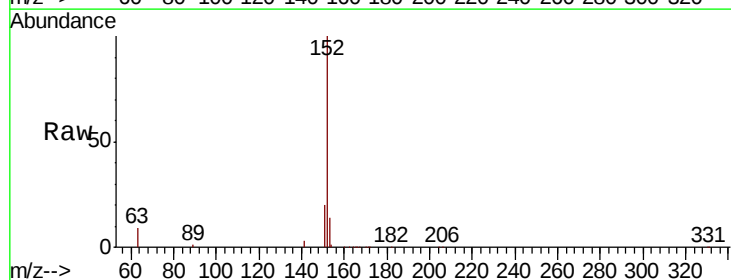
Instrument :
BNA_N
ClientSampleId :

Tot Ion:172 Resp: 3398
Ion Ratio Lower Upper
172 100
171 34.5 28.7 43.1
170 23.8 20.1 30.1



#16
Acenaphthylene
Concen: 2.544 ng
RT: 13.72 min Scan# 1267
Delta R.T. -0.06 min
Lab File: BN010041.D
Acq: 02 Mar 2020 15:45

Tgt Ion:152 Resp: 24854
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.6
153 13.5 10.2 15.4





#17

Acenaphthene

Concen: 0.531 ng

RT: 14.07 min Scan# 1298

Delta R.T. -0.06 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

Instrument :

BNA_N

ClientSampleId :

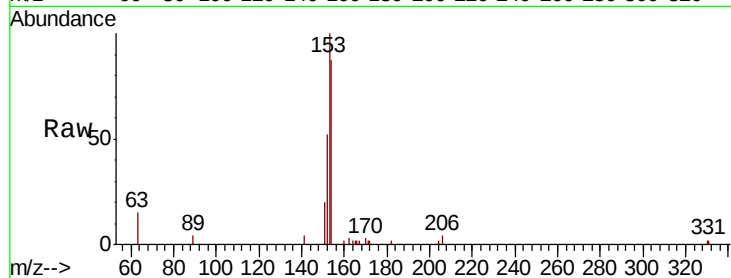
Tot Ion:154 Resp: 3647

Ion Ratio Lower Upper

154 100

153 110.7 88.9 133.3

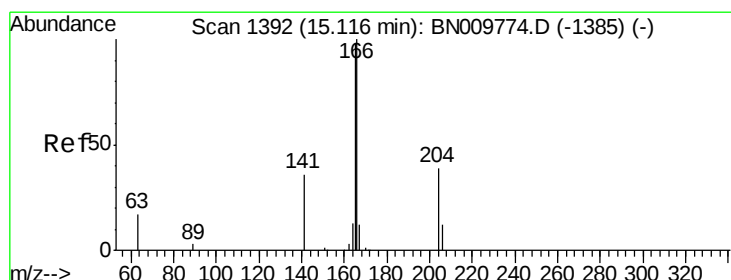
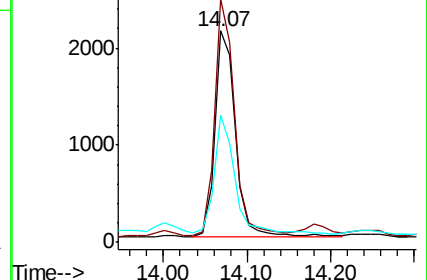
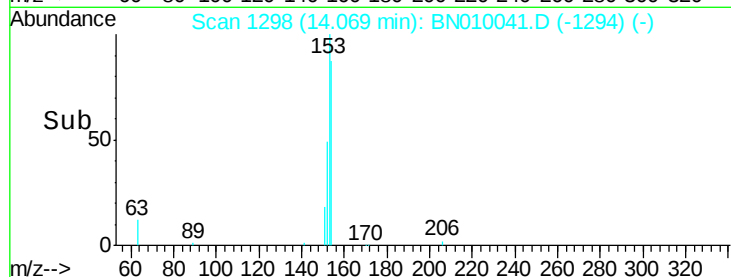
152 57.5 44.2 66.2



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: 1.082 ng

RT: 15.07 min Scan# 1388

Delta R.T. -0.04 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

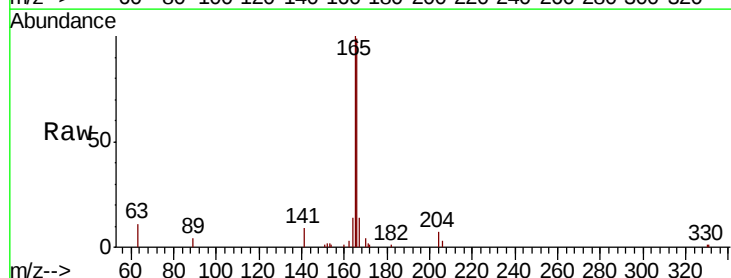
Tgt Ion:166 Resp: 9811

Ion Ratio Lower Upper

166 100

165 101.1 77.2 115.8

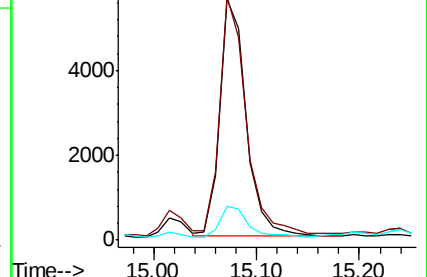
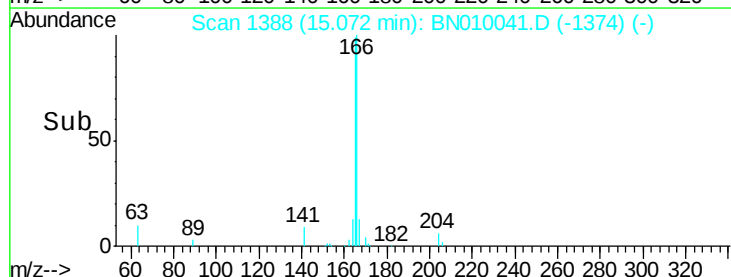
167 13.8 10.5 15.7

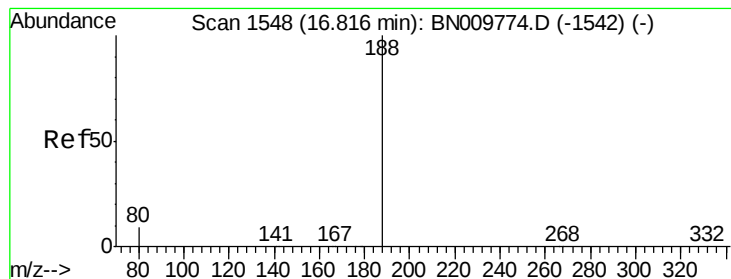


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.77 min Scan# 1544

Delta R.T. -0.04 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

Instrument :

BNA_N

ClientSampleId :

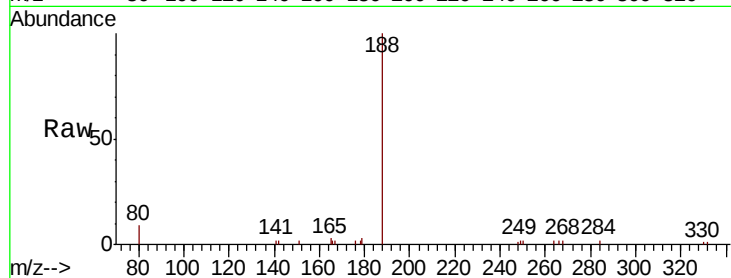
Tot Ion:188 Resp: 4705

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

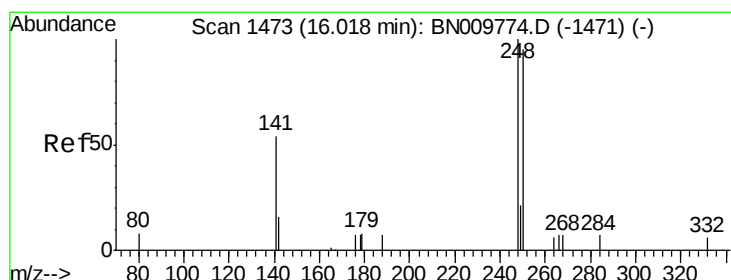
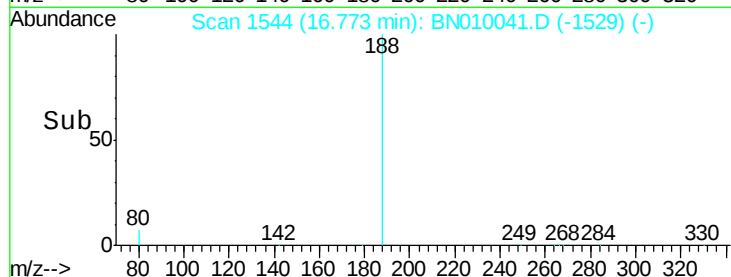
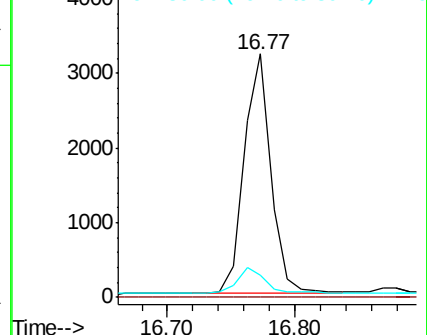
80 8.9 8.3 12.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

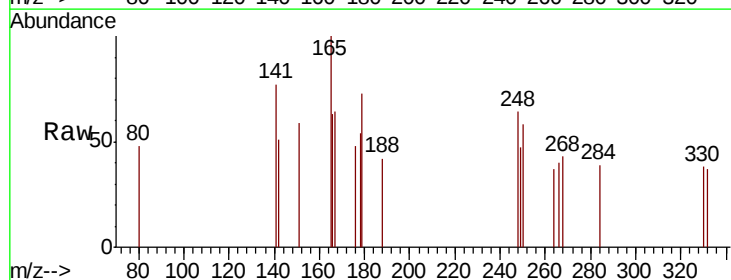
Tgt Ion:248 Resp: 163

Ion Ratio Lower Upper

248 100

250 91.0 76.2 114.4

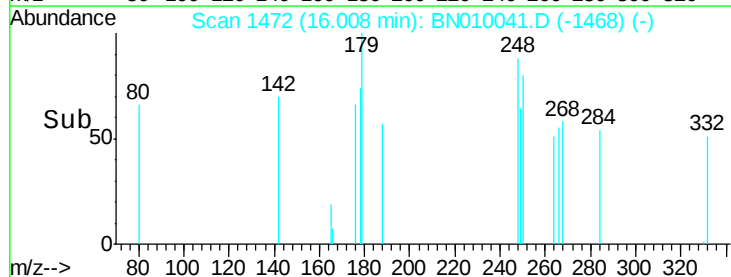
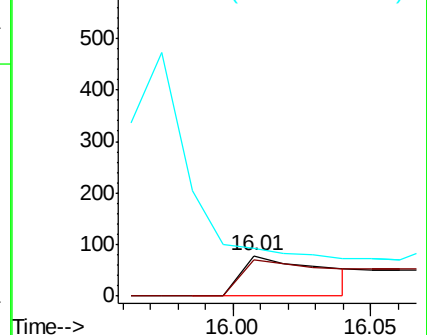
141 120.5 57.8 86.6#

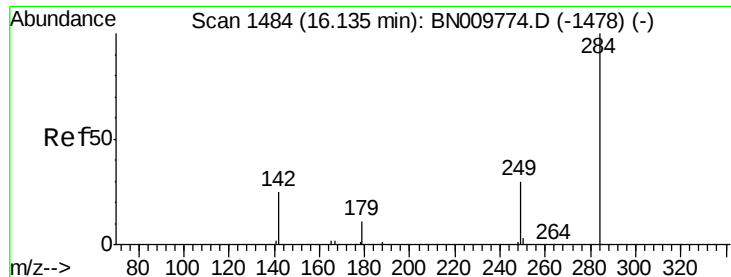


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.274 ng

RT: 16.09 min Scan# 1480

Delta R.T. -0.04 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

Instrument :

BNA_N

ClientSampleId :

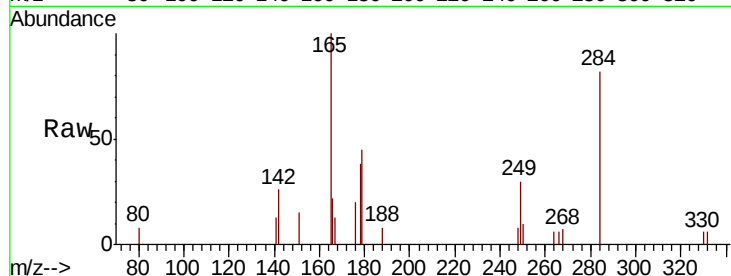
Tot Ion:284 Resp: 804

Ion Ratio Lower Upper

284 100

142 39.2 33.3 49.9

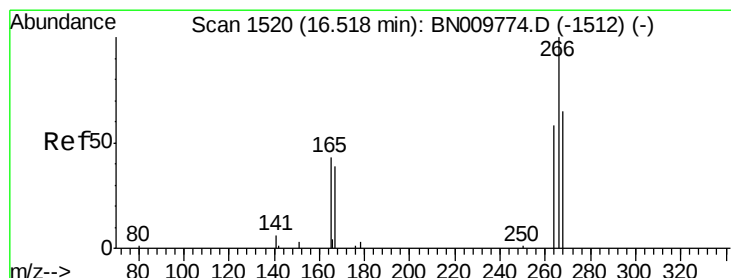
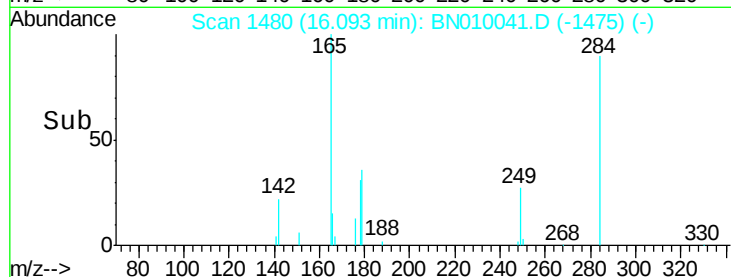
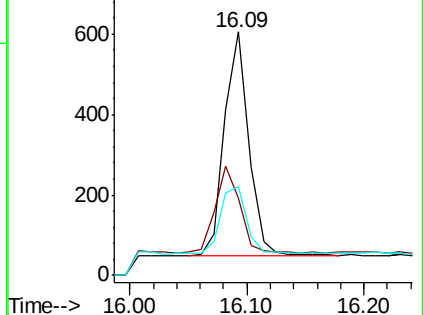
249 31.8 25.7 38.5



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: 0.324 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.05 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

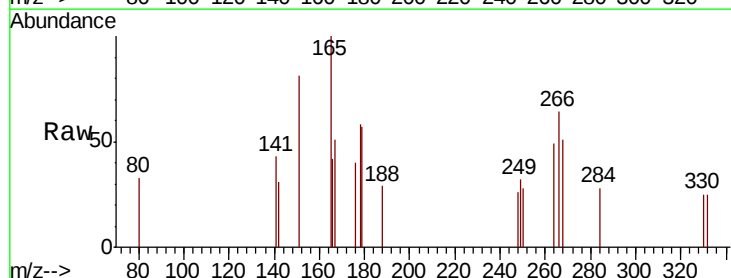
Tgt Ion:266 Resp: 143

Ion Ratio Lower Upper

266 100

264 77.4 58.1 87.1

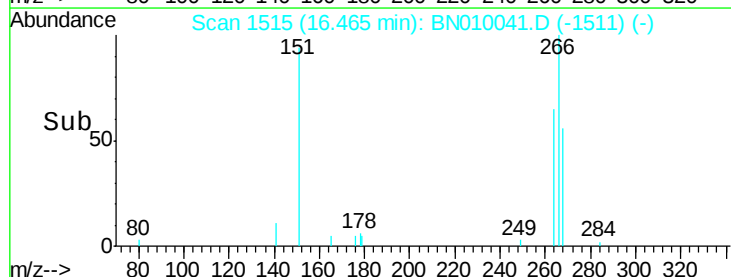
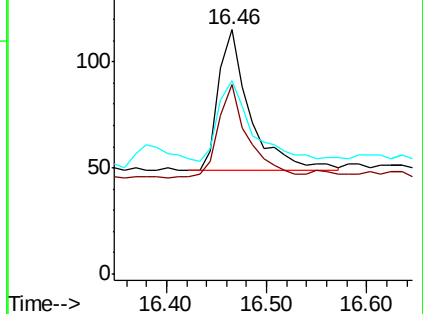
268 79.1 65.7 98.5

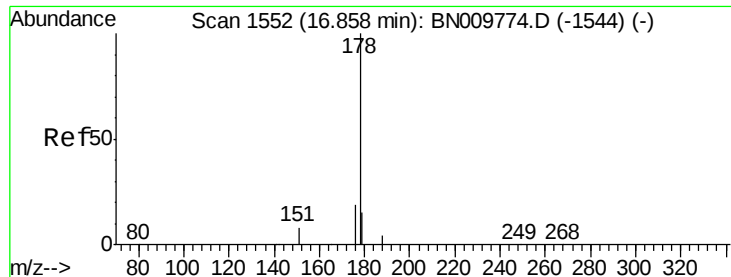


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

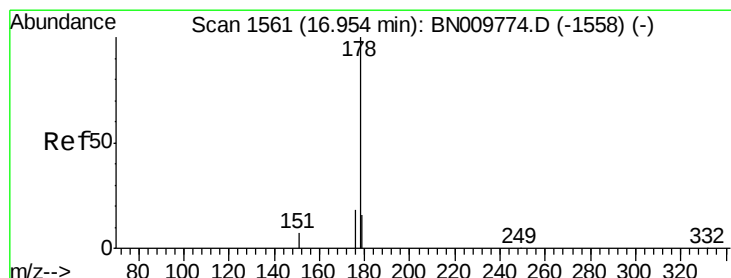
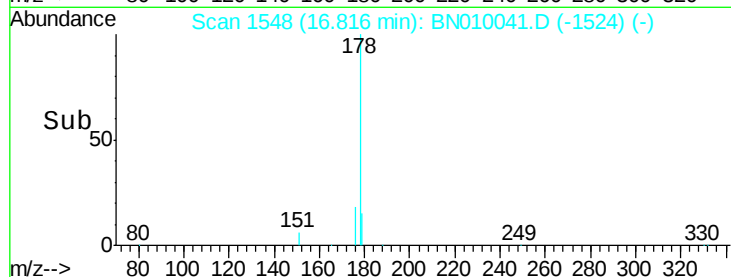
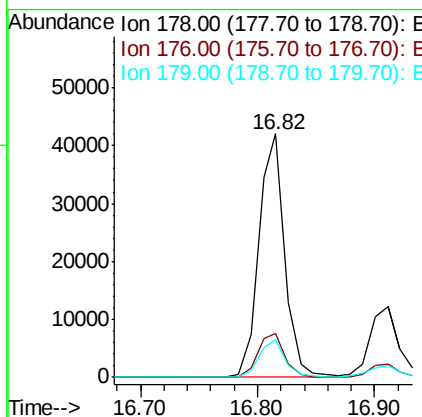
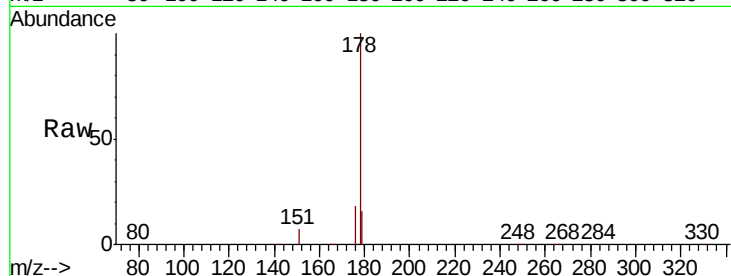




#23
Phenanthrene
Concen: 4.581 ng
RT: 16.82 min Scan# 1548
Delta R.T. -0.04 min
Lab File: BN010041.D
Acq: 02 Mar 2020 15:45

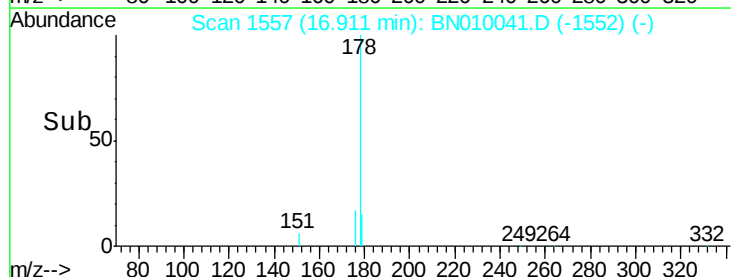
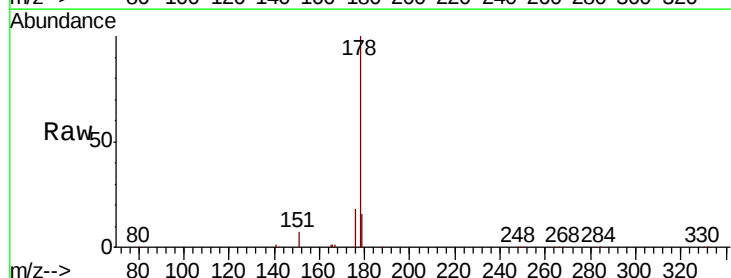
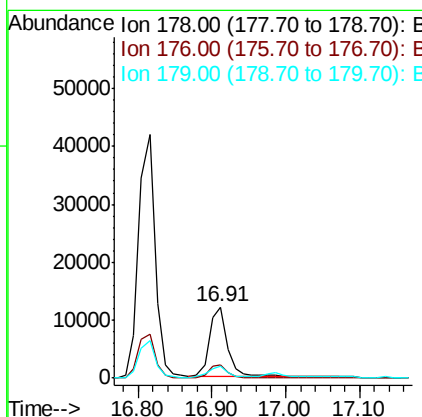
Instrument :
BNA_N
ClientSampleId :

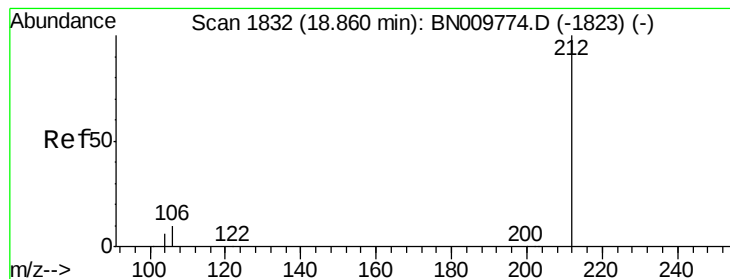
Tot Ion:178 Resp: 64152
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.4 12.4 18.6



#24
Anthracene
Concen: 1.751 ng
RT: 16.91 min Scan# 1557
Delta R.T. -0.04 min
Lab File: BN010041.D
Acq: 02 Mar 2020 15:45

Tgt Ion:178 Resp: 20726
Ion Ratio Lower Upper
178 100
176 17.9 14.3 21.5
179 15.0 12.4 18.6





#25

Fluoranthene-d10

Concen: 0.249 ng

RT: 18.82 min Scan# 1823

Delta R.T. -0.04 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

Instrument :

BNA_N

ClientSampleId :

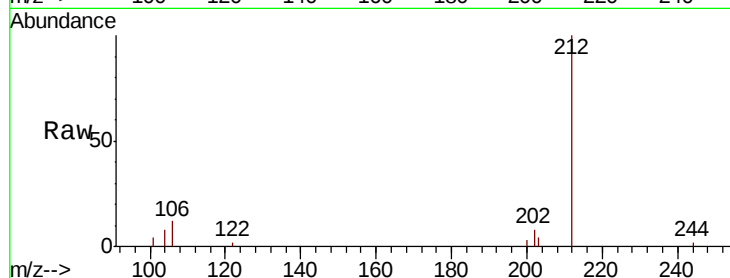
Tot Ion:212 Resp: 4053

Ion Ratio Lower Upper

212 100

106 11.5 8.4 12.6

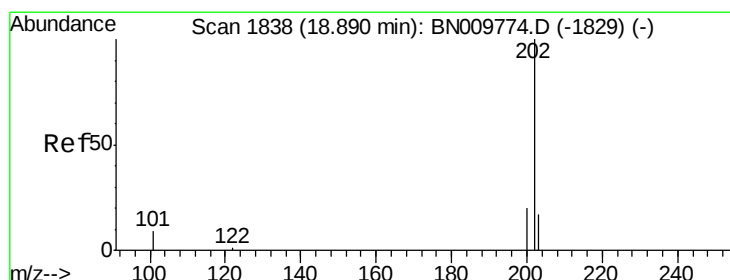
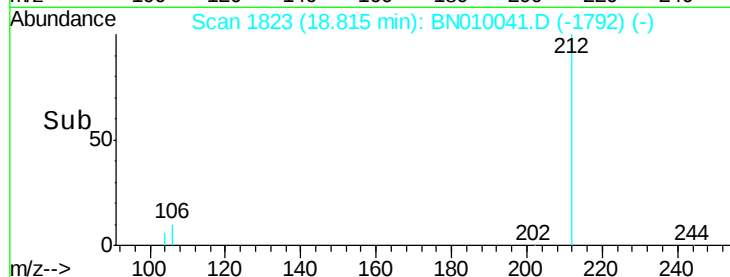
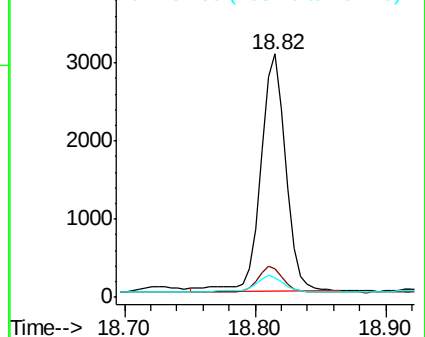
104 7.7 4.8 7.2#



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: 4.628 ng

RT: 18.84 min Scan# 1829

Delta R.T. -0.04 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

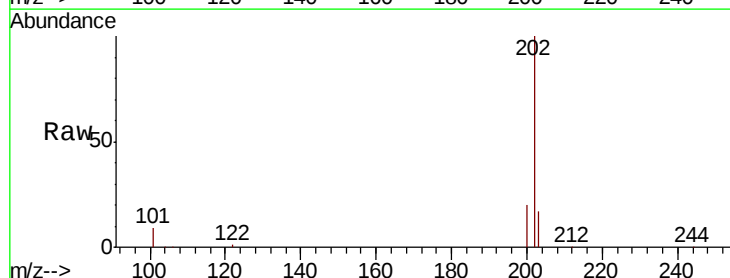
Tgt Ion:202 Resp: 77594

Ion Ratio Lower Upper

202 100

101 9.3 7.1 10.7

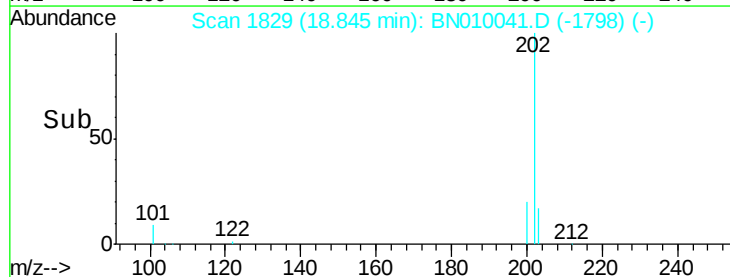
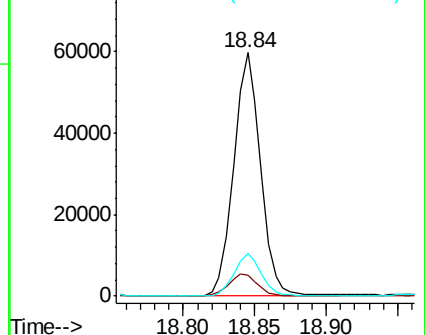
203 17.4 13.8 20.6



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

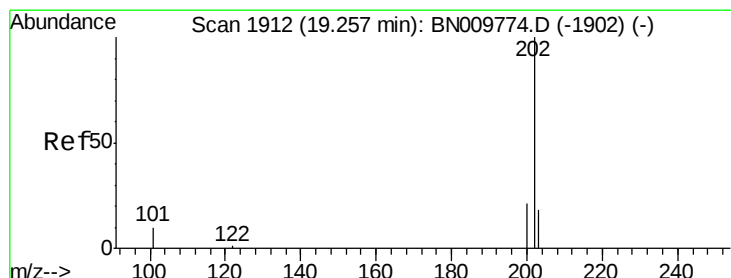
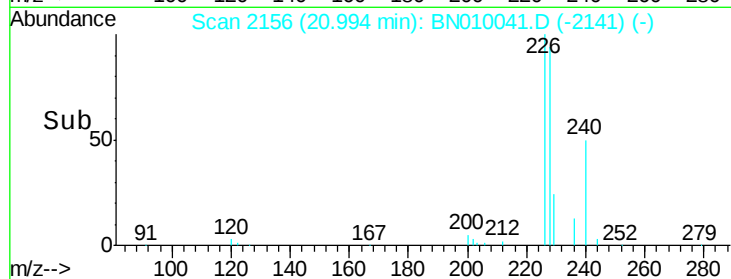
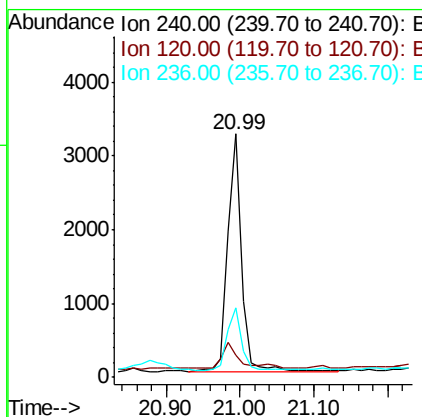
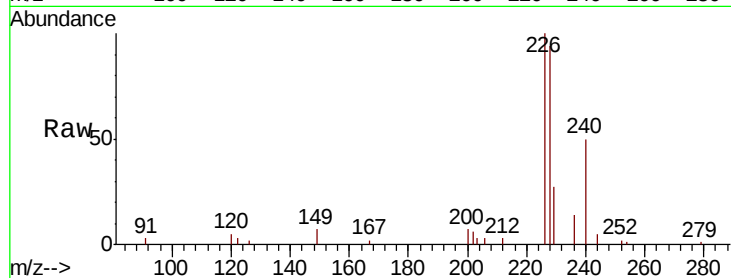




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.99 min Scan# 2156
 Delta R.T. -0.04 min
 Lab File: BN010041.D
 Acq: 02 Mar 2020 15:45

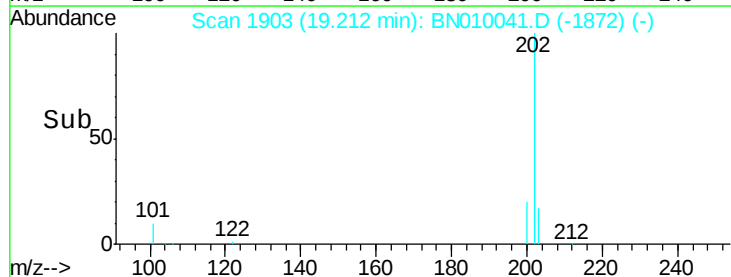
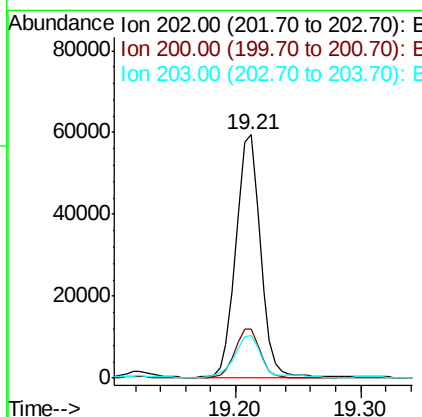
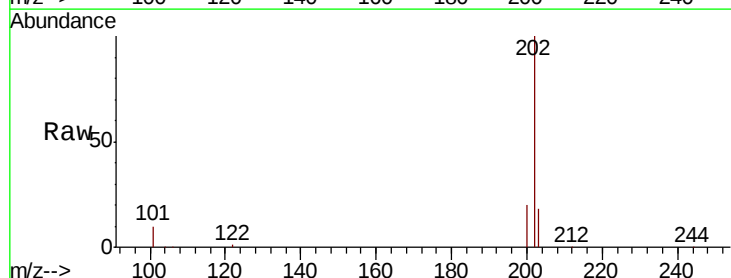
Instrument :
 BNA_N
 ClientSampleId :

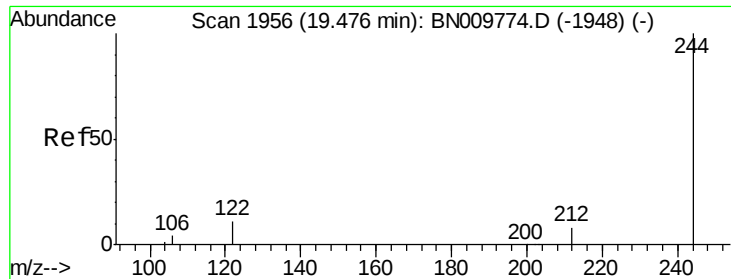
Tot Ion:240 Resp: 4288
 Ion Ratio Lower Upper
 240 100
 120 9.3 7.9 11.9
 236 28.3 22.0 33.0



#28
 Pyrene
 Concen: 4.903 ng
 RT: 19.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: BN010041.D
 Acq: 02 Mar 2020 15:45

Tgt Ion:202 Resp: 79831
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.4 24.6
 203 19.1 13.9 20.9





#29

Terphenyl-d14

Concen: 0.359 ng

RT: 19.43 min Scan# 1947

Delta R.T. -0.04 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

Instrument :

BNA_N

ClientSampleId :

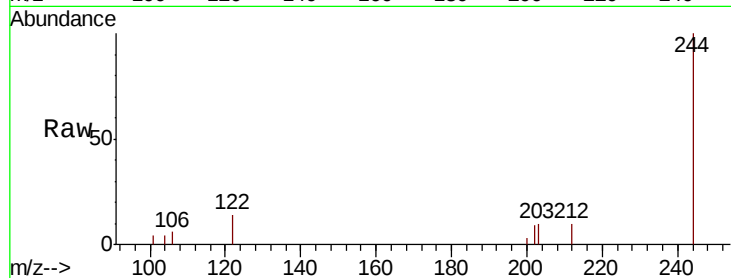
Tot Ion:244 Resp: 3680

Ion Ratio Lower Upper

244 100

212 9.8 8.0 12.0

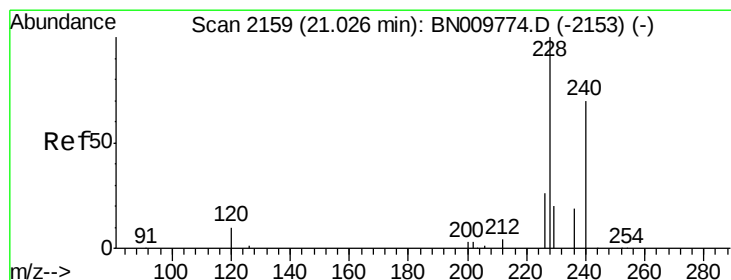
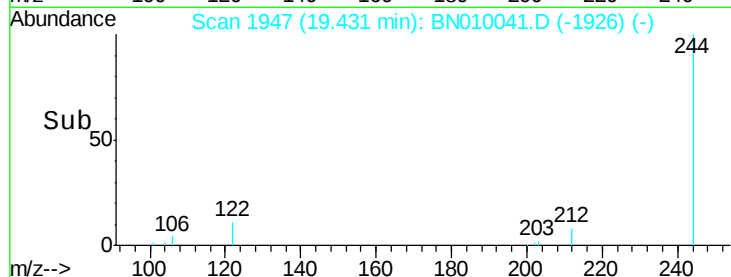
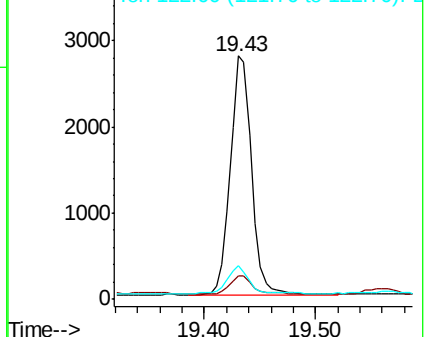
122 13.7 10.0 15.0



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: 3.764 ng

RT: 20.97 min Scan# 2154

Delta R.T. -0.05 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

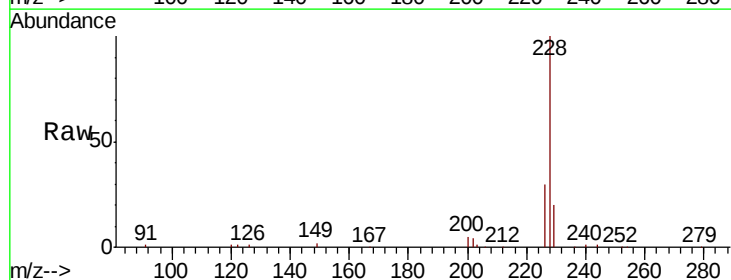
Tgt Ion:228 Resp: 53562

Ion Ratio Lower Upper

228 100

226 29.7 21.8 32.8

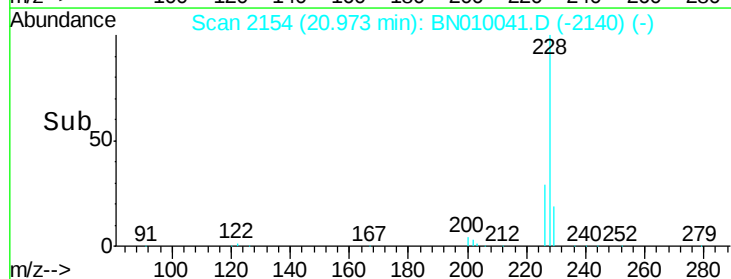
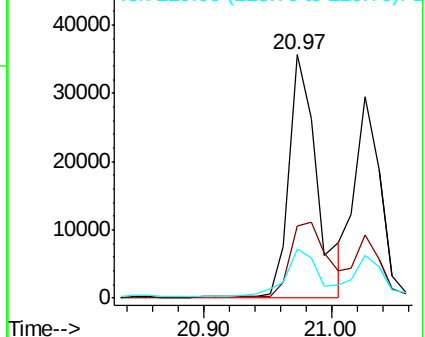
229 20.0 17.1 25.7

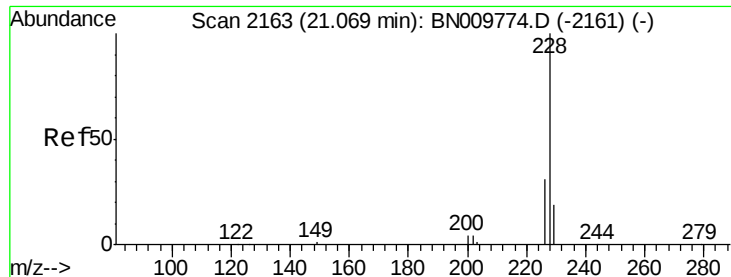


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 2.454 ng

RT: 21.03 min Scan# 2159

Delta R.T. -0.04 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

Instrument :

BNA_N

ClientSampleId :

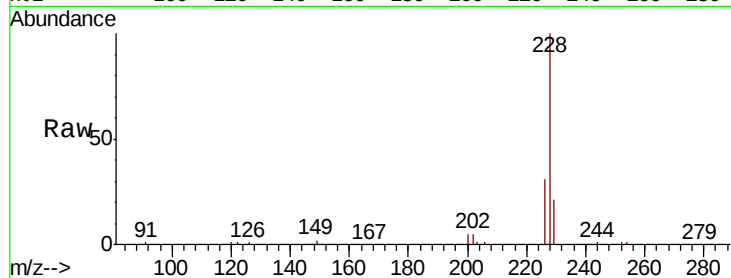
Tot Ion:228 Resp: 40405

Ion Ratio Lower Upper

228 100

226 31.2 24.8 37.2

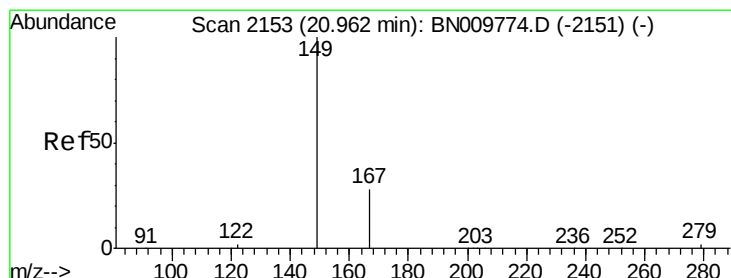
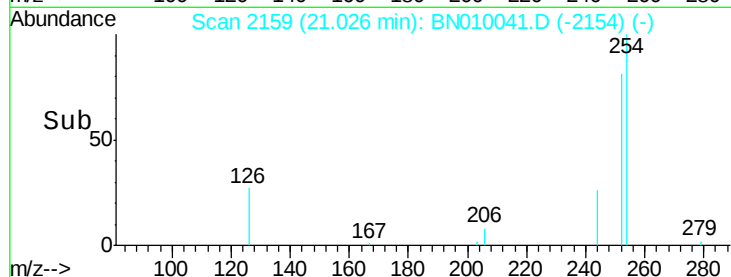
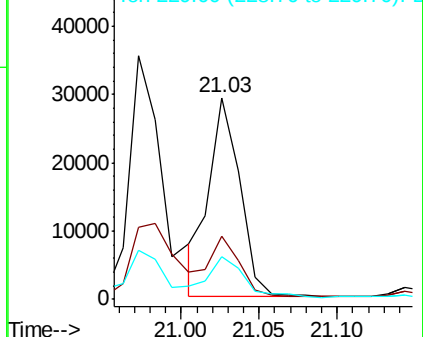
229 20.9 16.4 24.6



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: 0.577 ng

RT: 20.93 min Scan# 2150

Delta R.T. -0.03 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

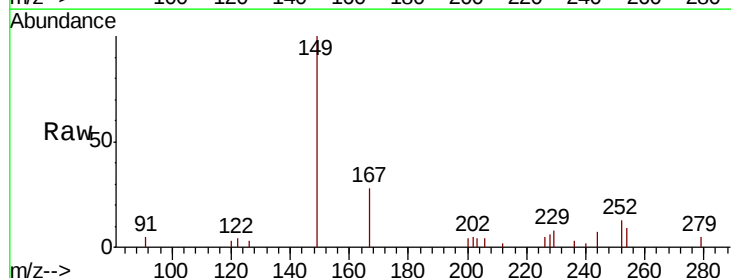
Tgt Ion:149 Resp: 4009

Ion Ratio Lower Upper

149 100

167 28.5 22.7 34.1

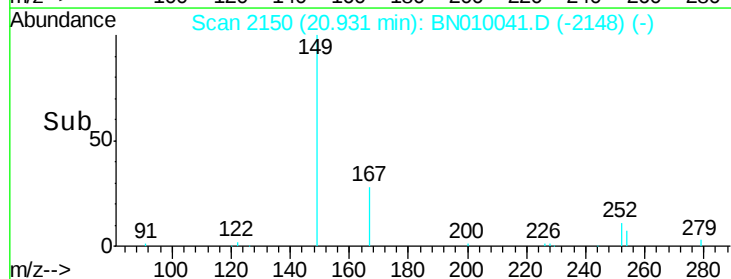
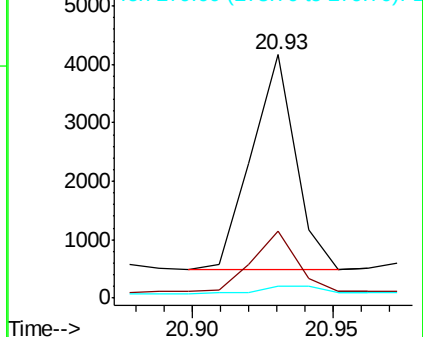
279 4.5 3.1 4.7

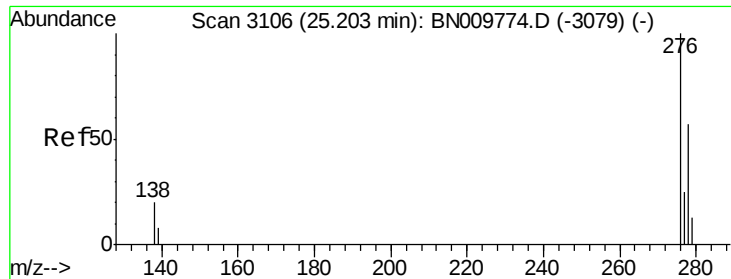


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 2.790 ng

RT: 25.12 min Scan# 3081

Delta R.T. -0.09 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

Instrument :

BNA_N

ClientSampleId :

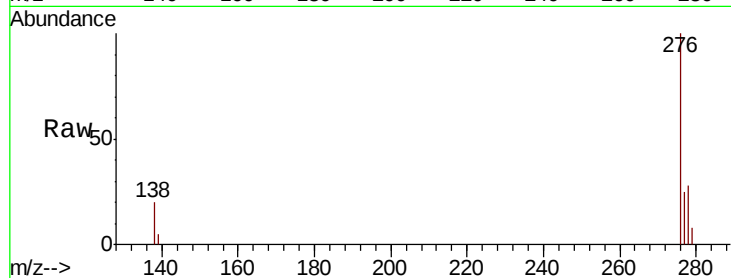
Tot Ion:276 Resp: 47830

Ion Ratio Lower Upper

276 100

138 19.6 15.8 23.6

277 24.8 19.3 28.9

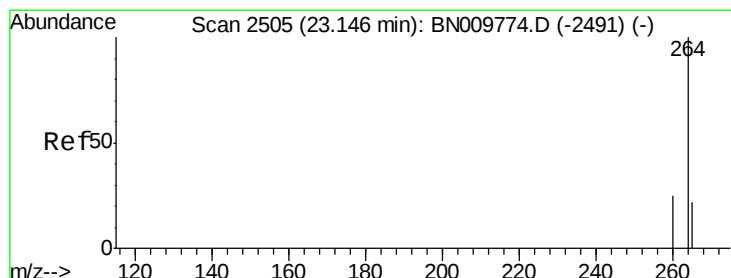
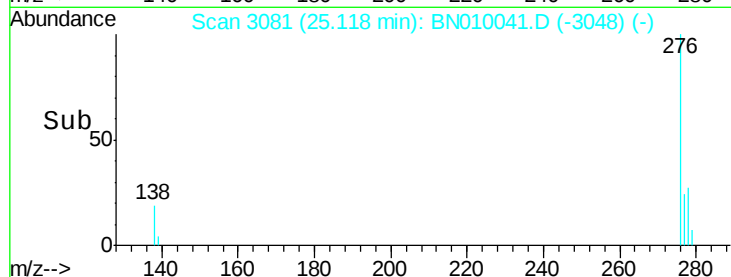
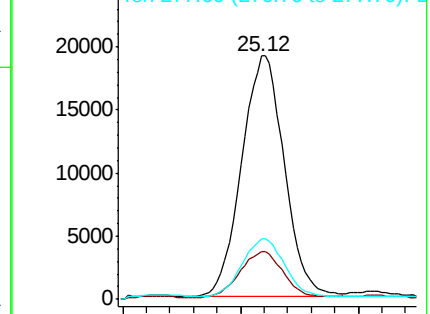


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.09 min Scan# 2488

Delta R.T. -0.06 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

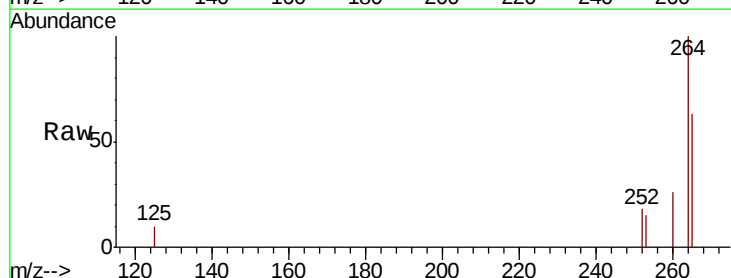
Tgt Ion:264 Resp: 4811

Ion Ratio Lower Upper

264 100

260 25.9 21.1 31.7

265 62.6 57.5 86.3

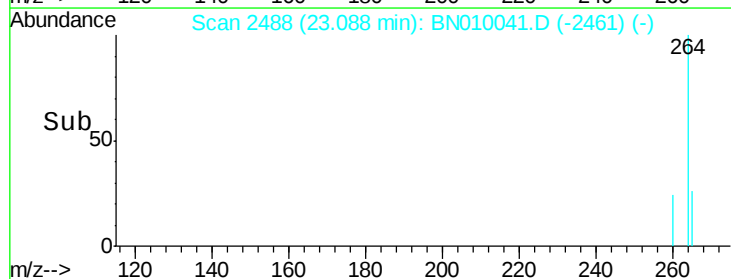
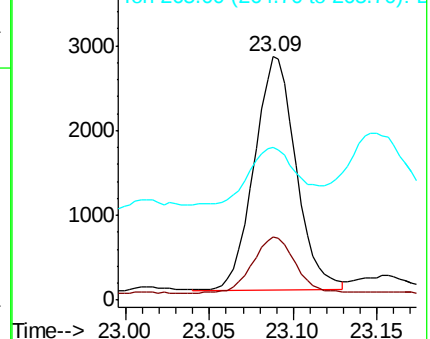


Abundance

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

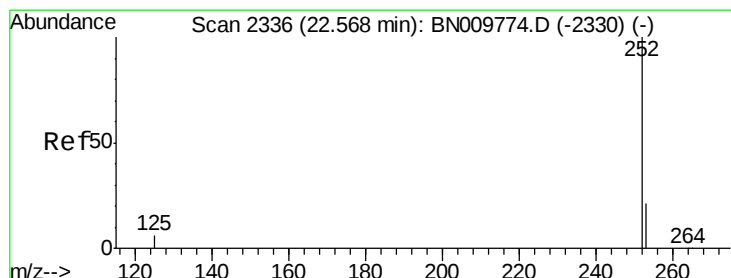
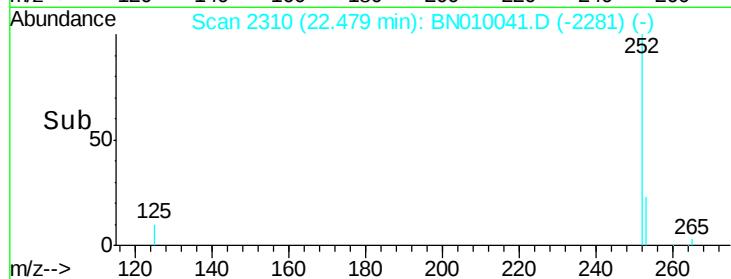
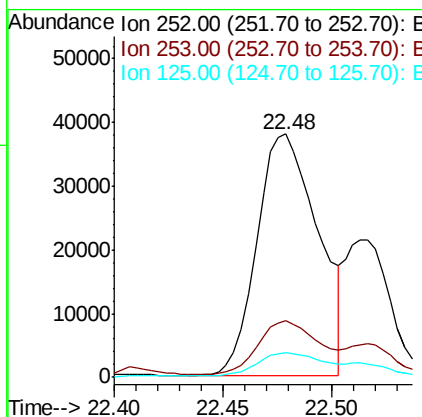
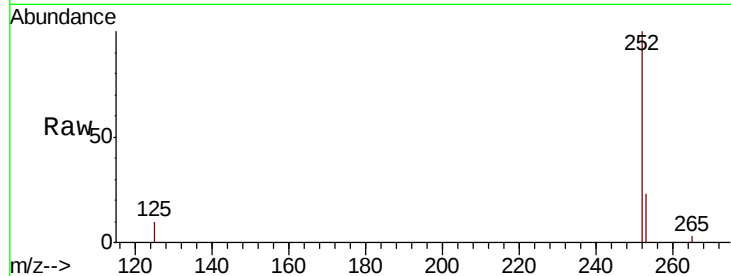




#35
Benzo(b)fluoranthene
Concen: 4.191 ng
RT: 22.48 min Scan# 2310
Delta R.T. -0.05 min
Lab File: BN010041.D
Acq: 02 Mar 2020 15:45

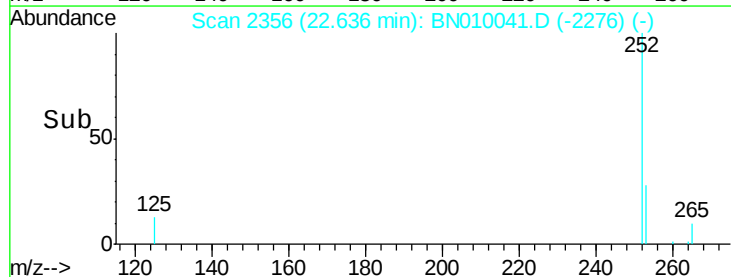
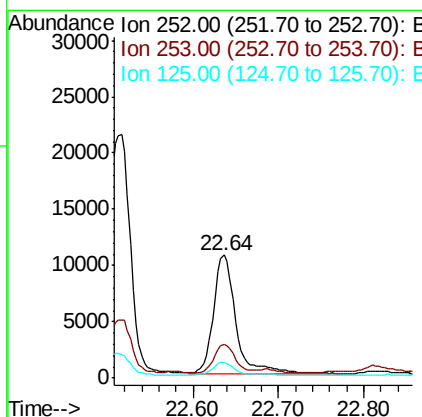
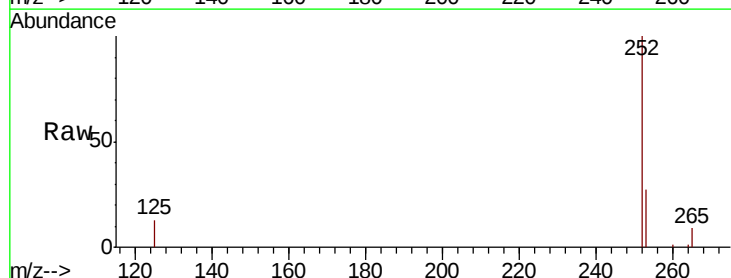
Instrument :
BNA_N
ClientSampled :

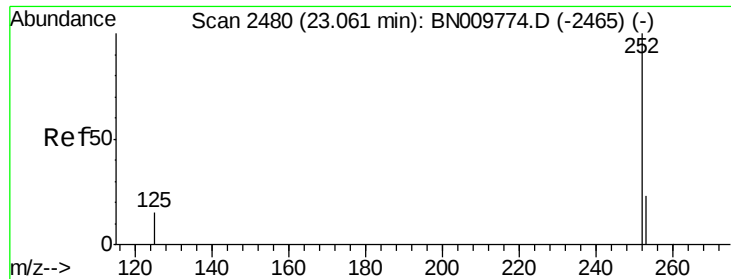
Tot Ion:252 Resp: 73710
Ion Ratio Lower Upper
252 100
253 23.2 23.0 34.6
125 10.2 14.4 21.6#



#36
Benzo(k)fluoranthene
Concen: 0.989 ng
RT: 22.64 min Scan# 2356
Delta R.T. 0.07 min
Lab File: BN010041.D
Acq: 02 Mar 2020 15:45

Tgt Ion:252 Resp: 18946
Ion Ratio Lower Upper
252 100
253 27.4 22.2 33.2
125 12.8 10.5 15.7





#37

Benzo(a)pyrene

Concen: 4.015 ng

RT: 23.00 min Scan# 2462

Delta R.T. -0.06 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

Instrument :

BNA_N

ClientSampleId :

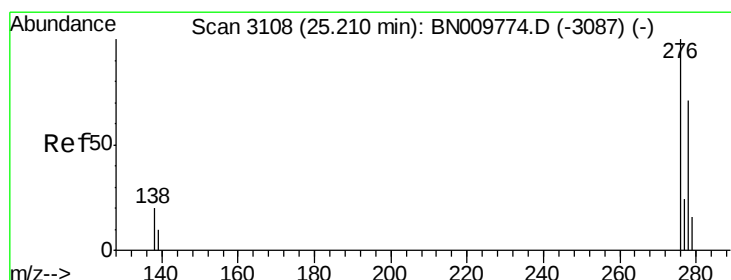
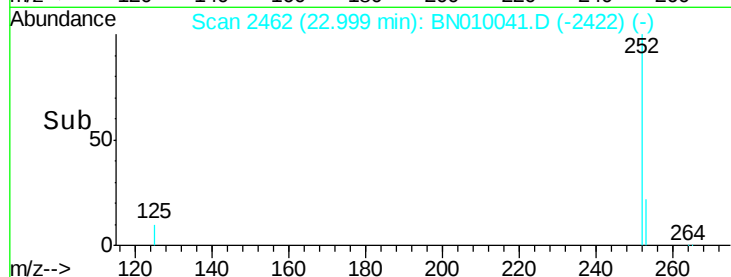
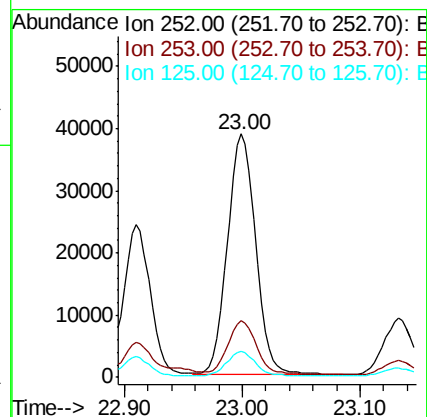
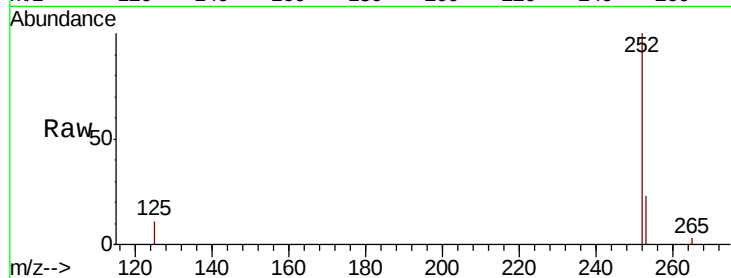
Tot Ion:252 Resp: 64436

Ion Ratio Lower Upper

252 100

253 23.2 25.3 37.9#

125 10.7 17.7 26.5#



#38

Dibenzo(a,h)anthracene

Concen: 1.051 ng

RT: 25.12 min Scan# 3083

Delta R.T. -0.09 min

Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

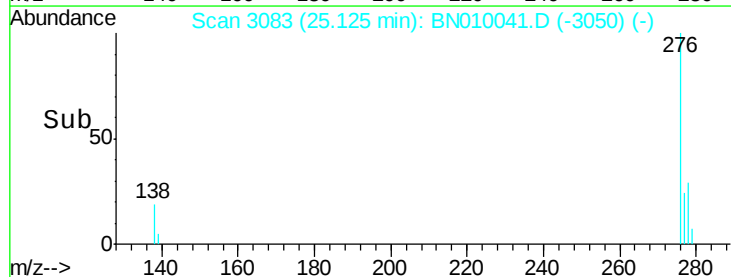
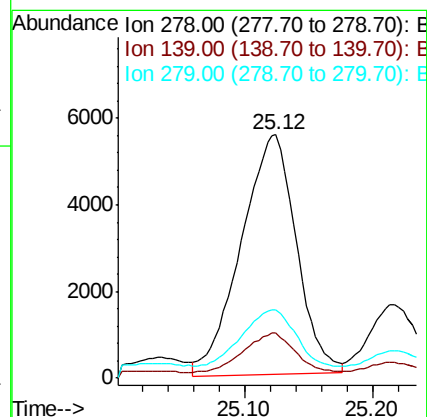
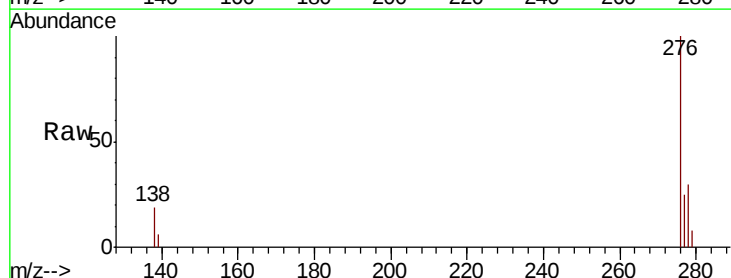
Tgt Ion:278 Resp: 16602

Ion Ratio Lower Upper

278 100

139 18.4 14.5 21.7

279 28.1 24.3 36.5





#39

Benzo(a,h,i)perylene

Concen: 2.988 ng

RT: 25.73 min Scan# 3261

Delta R.T. -0.10 min

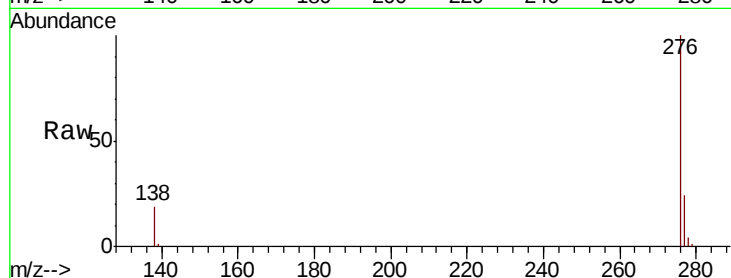
Lab File: BN010041.D

Acq: 02 Mar 2020 15:45

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 50303

Ion Ratio Lower Upper

276 100

277 24.0 21.4 32.0

138 19.2 16.6 24.8

