

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012120\
 Data File : BN009412.D
 Acq On : 21 Jan 2020 14:35
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jan 21 16:11:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 09:33:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	1447	0.40	ng	-0.02
7) Naphthalene-d8	10.22	136	5172	0.40	ng	-0.01
13) Acenaphthene-d10	14.09	164	3446	0.40	ng	-0.02
19) Phenanthrene-d10	16.85	188	7787	0.40	ng	-0.02
27) Chrysene-d12	21.07	240	6424	0.40	ng	0.00
34) Perylene-d12	23.19	264	6332	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.11	112	1251	0.38	ng	-0.02
5) Phenol-d6	6.66	99	1449	0.38	ng	-0.02
8) Nitrobenzene-d5	8.62	82	1510	0.37	ng	-0.01
11) 2-Methylnaphthalene-d10	11.82	152	3996	0.40	ng	-0.01
14) 2,4,6-Tribromophenol	15.61	330	445	0.34	ng	-0.02
15) 2-Fluorobiphenyl	12.72	172	4969	0.39	ng	0.00
25) Fluoranthene-d10	18.89	212	9420	0.35	ng	0.00
29) Terphenyl-d14	19.52	244	5866	0.39	ng	0.00

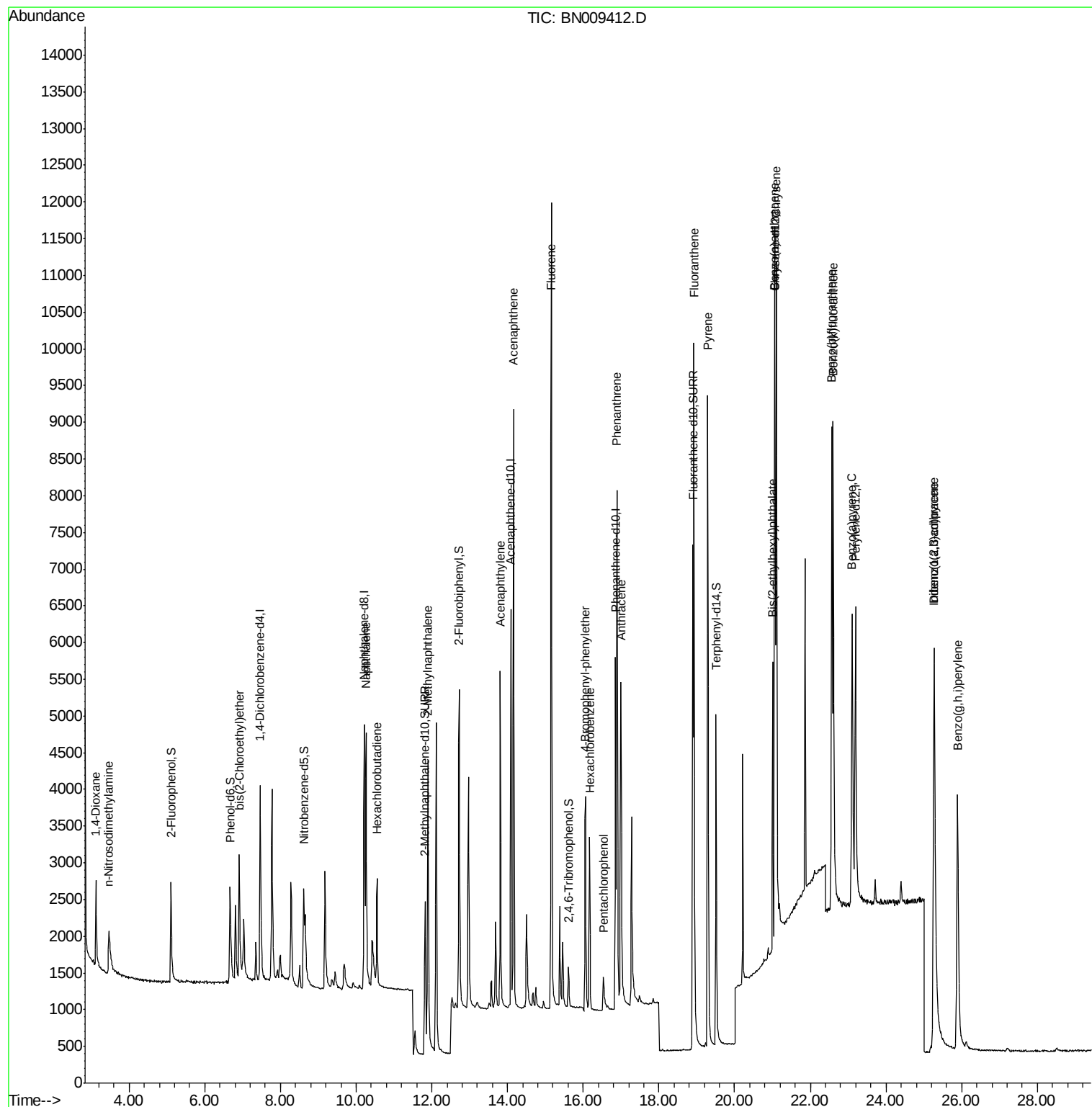
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.13	88	612	0.406	ng	98
3) n-Nitrosodimethylamine	3.47	42	908	0.390	ng	# 95
6) bis(2-Chloroethyl)ether	6.91	93	1485	0.374	ng	98
9) Naphthalene	10.27	128	5455	0.390	ng	99
10) Hexachlorobutadiene	10.56	225	1243	0.405	ng	# 96
12) 2-Methylnaphthalene	11.89	142	3841	0.394	ng	100
16) Acenaphthylene	13.81	152	5231	0.352	ng	100
17) Acenaphthene	14.16	154	3980	0.381	ng	99
18) Fluorene	15.16	166	5157	0.379	ng	100
20) 4-Bromophenyl-phenylether	16.06	248	1705	0.364	ng	94
21) Hexachlorobenzene	16.17	284	1784	0.357	ng	98
22) Pentachlorophenol	16.54	266	411	0.380	ng	98
23) Phenanthrene	16.89	178	8600	0.368	ng	100
24) Anthracene	17.00	178	6908	0.352	ng	99
26) Fluoranthene	18.92	202	9683	0.353	ng	100
28) Pyrene	19.29	202	9701	0.398	ng	100
30) Benzo(a)anthracene	21.06	228	7580	0.359	ng	98
31) Chrysene	21.10	228	9580	0.397	ng	99
32) Bis(2-ethylhexyl)phthalate	21.00	149	3245	0.348	ng	100
33) Indeno(1,2,3-cd)pyrene	25.26	276	9326	0.371	ng	98
35) Benzo(b)fluoranthene	22.56	252	8403	0.361	ng	98
36) Benzo(k)fluoranthene	22.61	252	10249	0.399	ng	99
37) Benzo(a)pyrene	23.10	252	7700	0.376	ng	99
38) Dibenzo(a,h)anthracene	25.28	278	7200	0.349	ng	99
39) Benzo(g,h,i)perylene	25.89	276	8356	0.368	ng	99

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

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Instrument :
BNA_N
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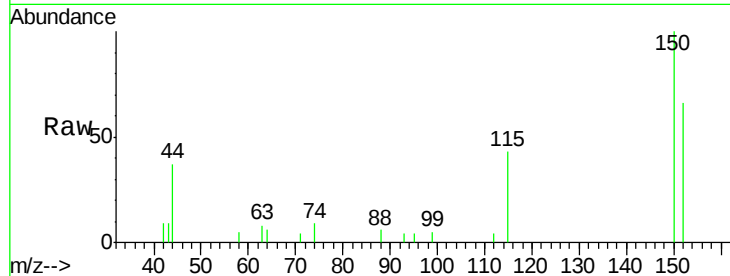


#1

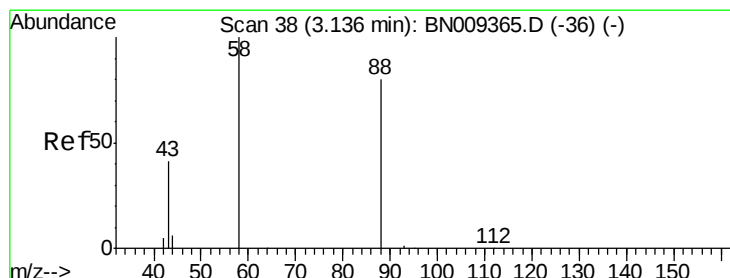
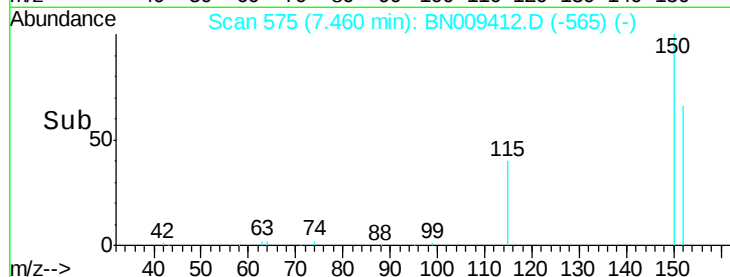
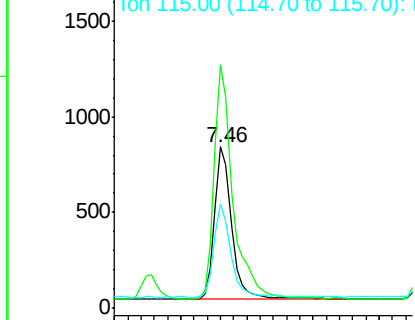
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.46 min Scan# 575
Delta R.T. -0.02 min
Lab File: BN009412.D
Acq: 21 Jan 2020 14:35

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 1447
Ion Ratio Lower Upper
152 100
150 150.7 125.7 188.5
115 64.5 53.3 79.9



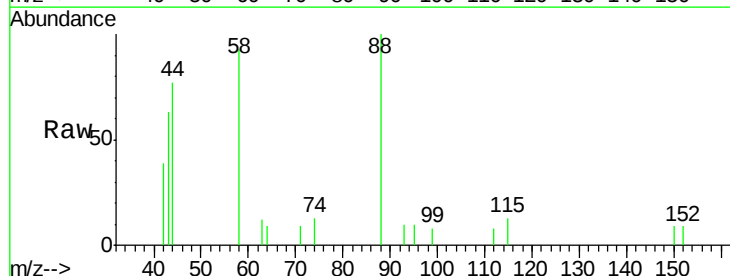
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



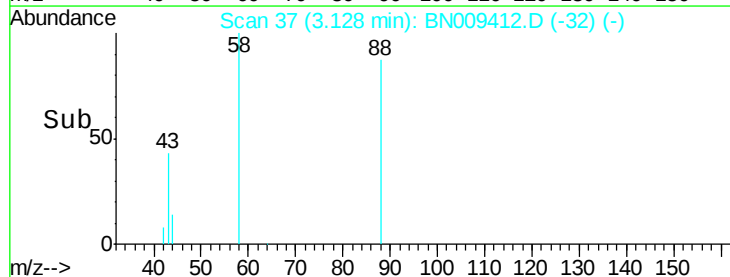
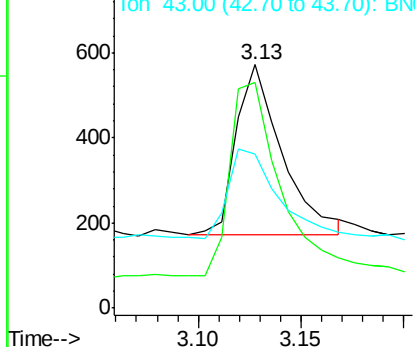
#2

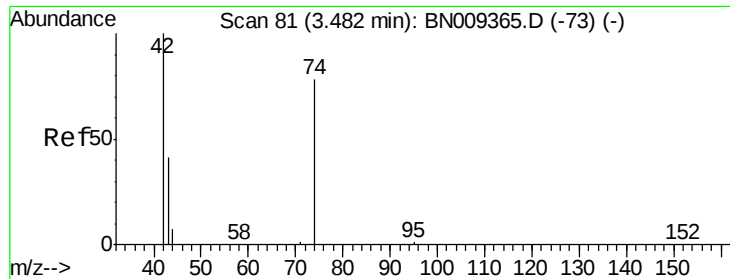
1,4-Dioxane
Concen: 0.406 ng
RT: 3.13 min Scan# 37
Delta R.T. -0.01 min
Lab File: BN009412.D
Acq: 21 Jan 2020 14:35

Tgt Ion: 88 Resp: 612
Ion Ratio Lower Upper
88 100
58 125.8 100.2 150.2
43 57.7 43.1 64.7



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

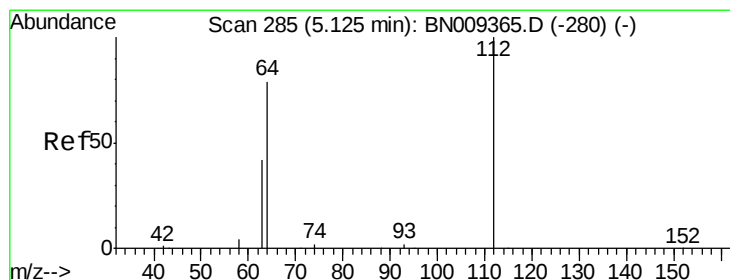
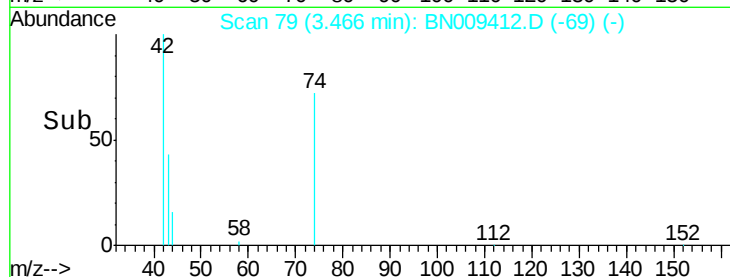
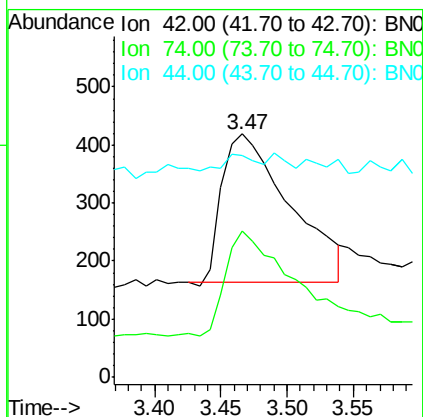
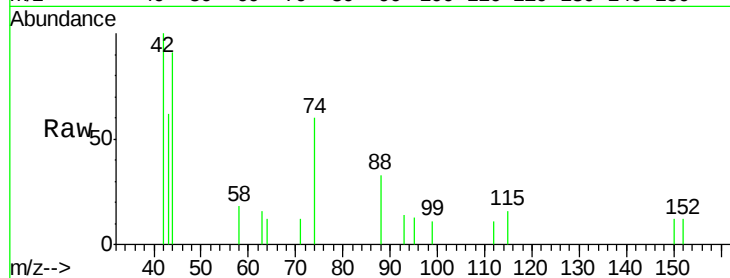




#3
 n-Nitrosodimethylamine
 Concen: 0.390 ng
 RT: 3.47 min Scan# 79
 Delta R.T. -0.02 min
 Lab File: BN009412.D
 Acq: 21 Jan 2020 14:35

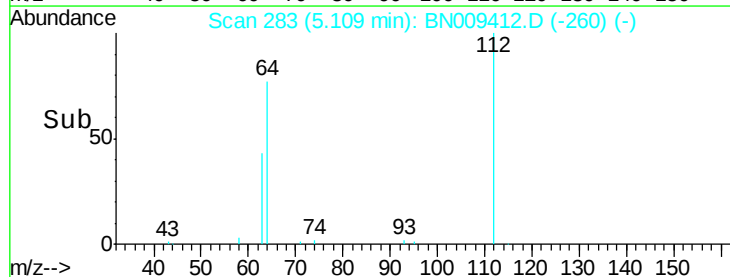
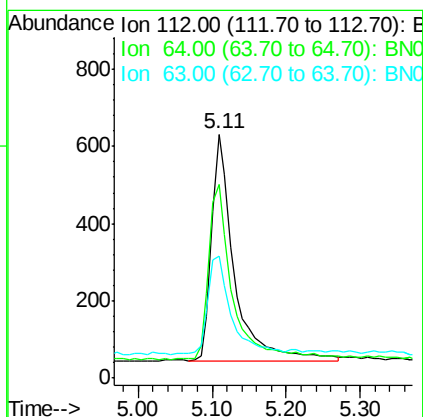
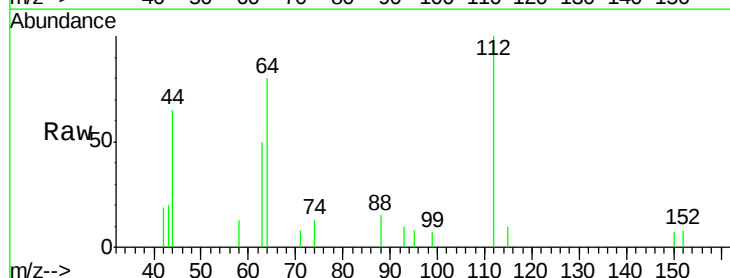
Instrument :
 BNA_N
 ClientSampled :

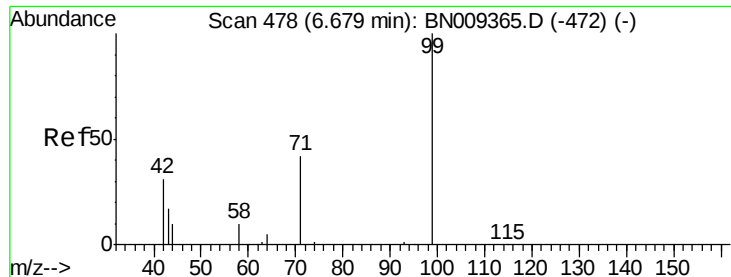
Tot Ion: 42 Resp: 908
 Ion Ratio Lower Upper
 42 100
 74 70.9 55.8 83.8
 44 5.2 11.1 16.7#



#4
 2-Fluorophenol
 Concen: 0.376 ng
 RT: 5.11 min Scan# 283
 Delta R.T. -0.02 min
 Lab File: BN009412.D
 Acq: 21 Jan 2020 14:35

Tgt Ion: 112 Resp: 1251
 Ion Ratio Lower Upper
 112 100
 64 82.3 61.5 92.3
 63 44.4 35.0 52.4





#5

Phenol-d6

Concen: 0.376 ng

RT: 6.66 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_N

ClientSampleId :

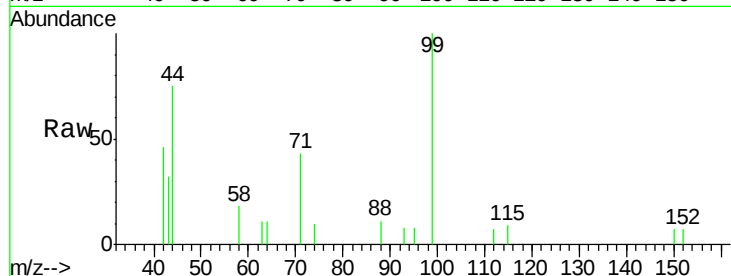
Tot Ion: 99 Resp: 1449

Ion Ratio Lower Upper

99 100

42 37.1 27.6 41.4

71 40.0 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BN009412.D (-472) (-)

Ion 42.00 (41.70 to 42.70): BN009412.D (-472) (-)

Ion 71.00 (70.70 to 71.70): BN009412.D (-472) (-)

6.66

600

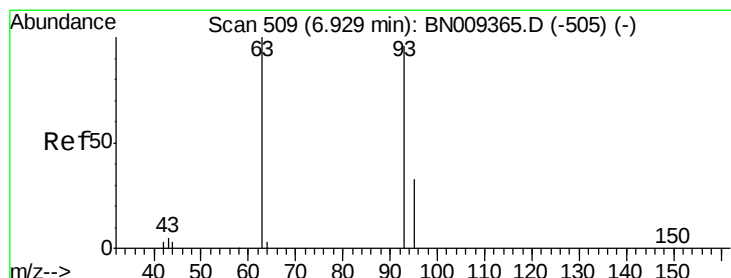
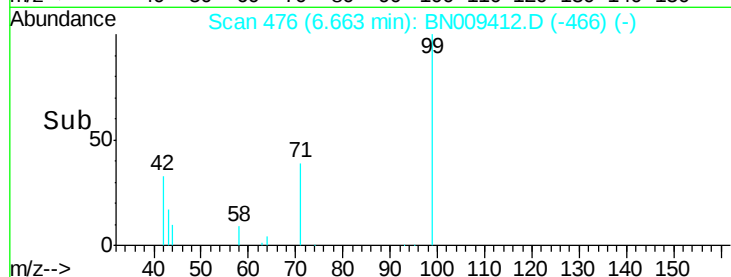
400

200

0

6.60 6.70 6.80 6.90

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.374 ng

RT: 6.91 min Scan# 507

Delta R.T. -0.02 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

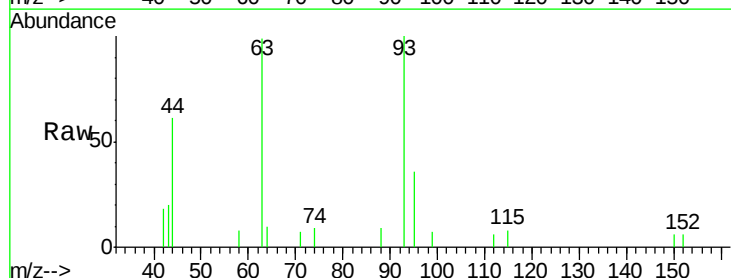
Tgt Ion: 93 Resp: 1485

Ion Ratio Lower Upper

93 100

63 105.5 85.1 127.7

95 35.1 30.2 45.4



Abundance Ion 93.00 (92.70 to 93.70): BN009412.D (-505) (-)

Ion 63.00 (62.70 to 63.70): BN009412.D (-505) (-)

Ion 95.00 (94.70 to 95.70): BN009412.D (-505) (-)

6.91

1200

1000

800

600

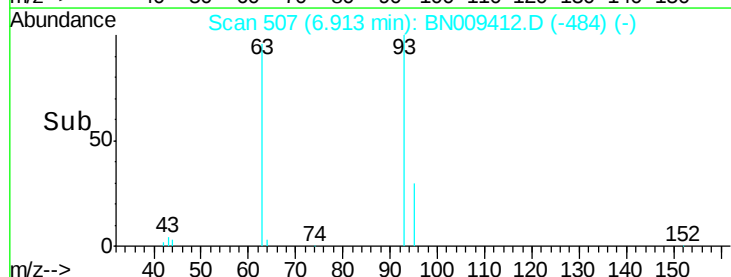
400

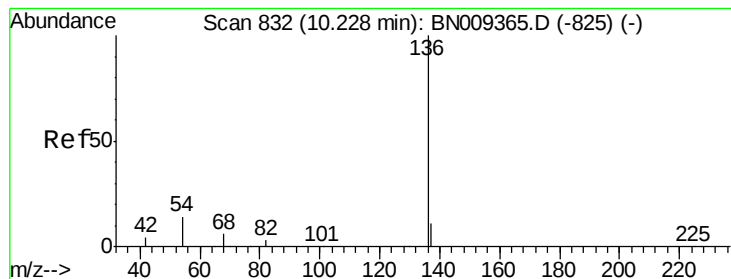
200

0

6.90 7.00

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.22 min Scan# 831

Delta R.T. -0.01 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 5172

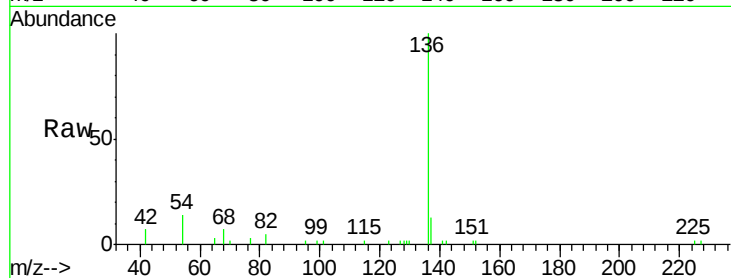
Ion Ratio Lower Upper

136 100

137 12.8 10.3 15.5

54 14.3 12.6 19.0

68 7.1 6.5 9.7

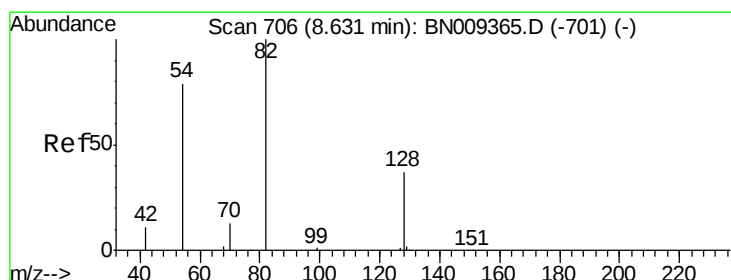
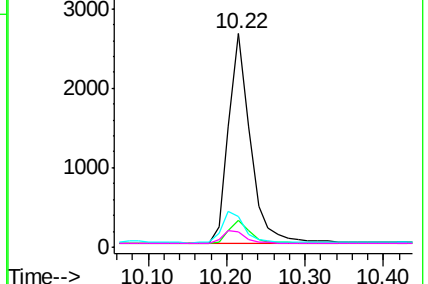
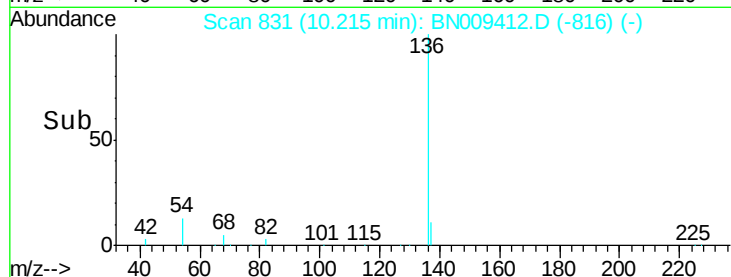


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.366 ng

RT: 8.62 min Scan# 705

Delta R.T. -0.01 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

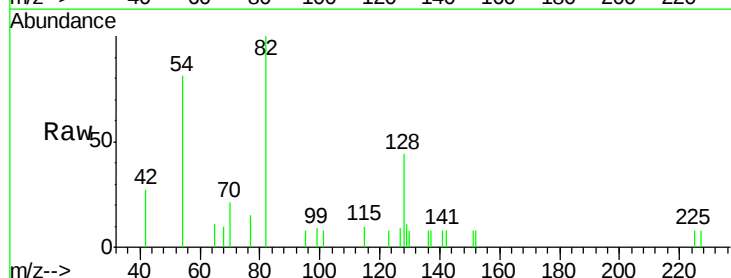
Tgt Ion: 82 Resp: 1510

Ion Ratio Lower Upper

82 100

128 43.8 34.8 52.2

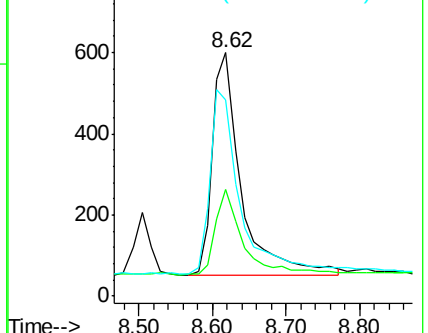
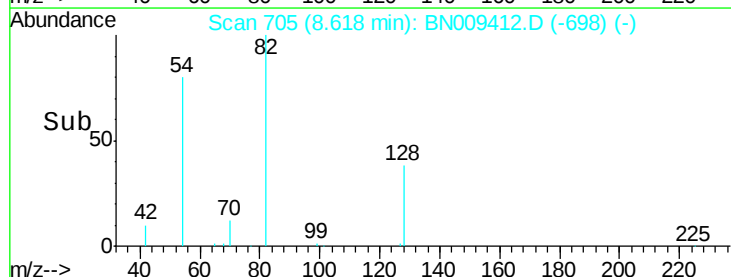
54 80.8 65.8 98.6

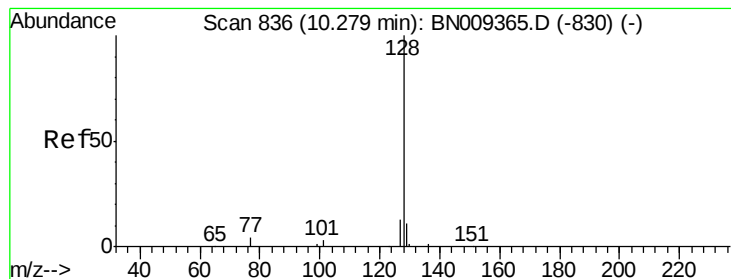


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.390 ng

RT: 10.27 min Scan# 835

Delta R.T. -0.01 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_N

ClientSampleId :

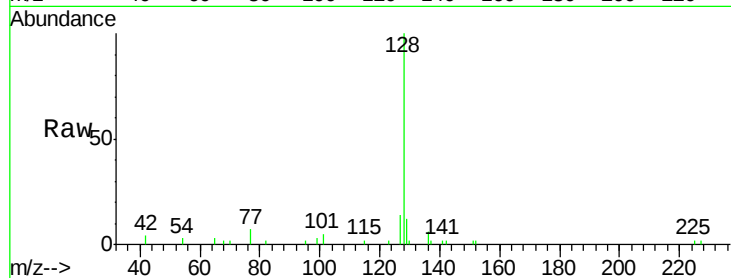
Tot Ion:128 Resp: 5455

Ion Ratio Lower Upper

128 100

129 12.4 10.4 15.6

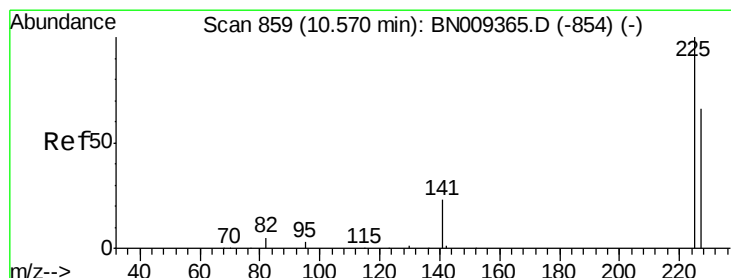
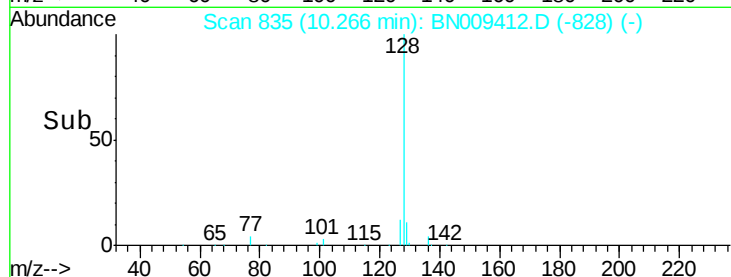
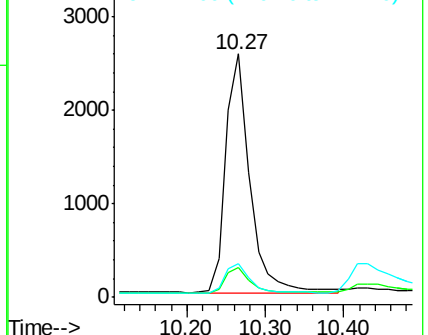
127 13.8 11.4 17.2



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: 0.405 ng

RT: 10.56 min Scan# 858

Delta R.T. -0.01 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

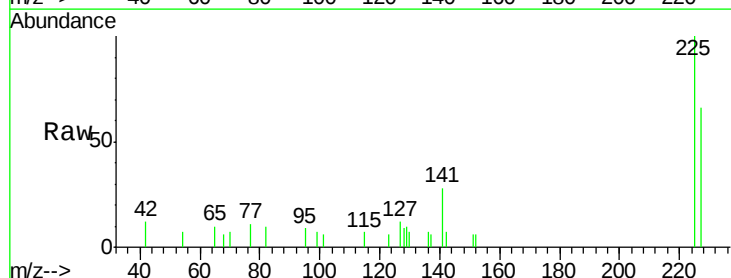
Tgt Ion:225 Resp: 1243

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

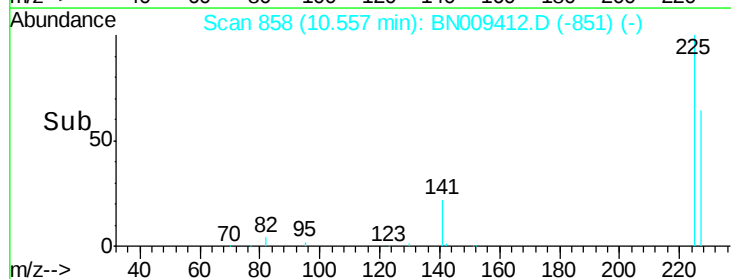
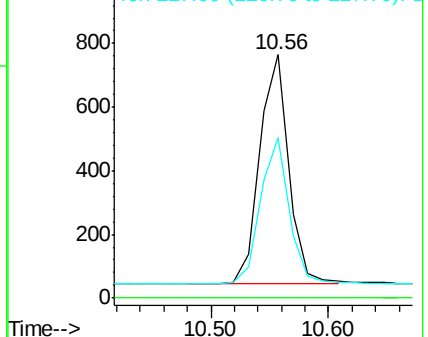
227 62.7 52.6 78.8

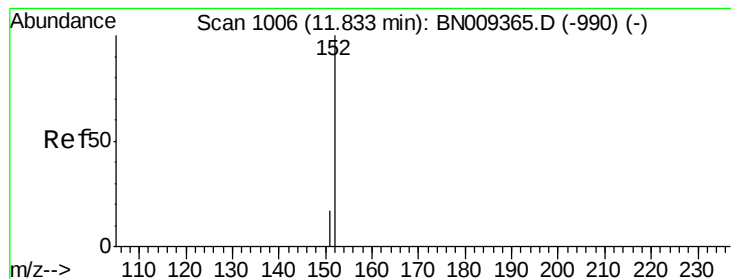


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.400 ng

RT: 11.82 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_N

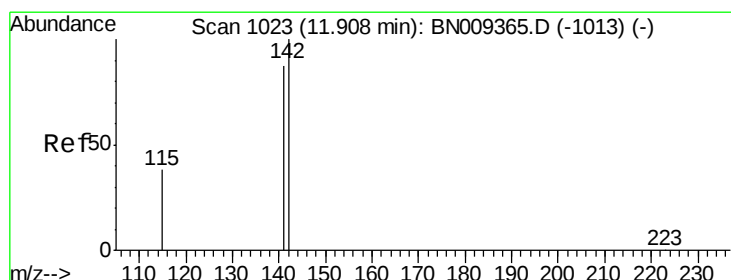
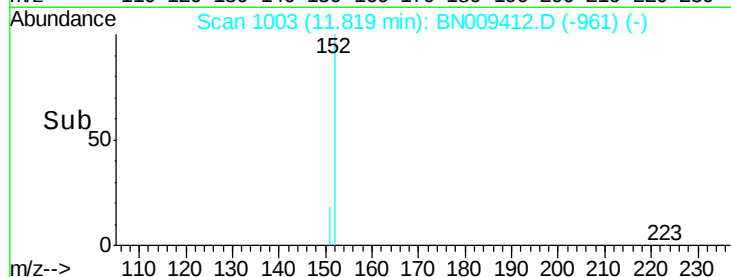
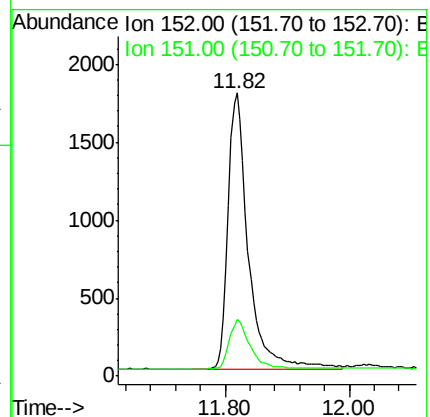
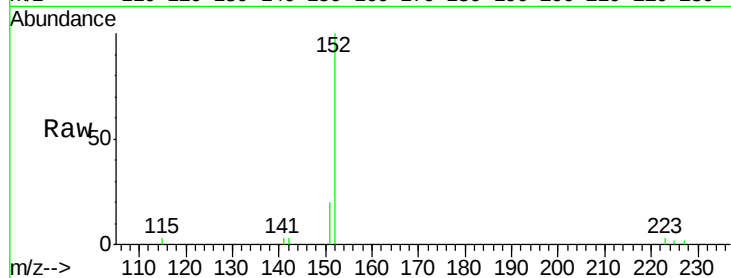
ClientSampleId :

Tot Ion:152 Resp: 3996

Ion Ratio Lower Upper

152 100

151 18.8 14.8 22.2



#12

2-Methylnaphthalene

Concen: 0.394 ng

RT: 11.89 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

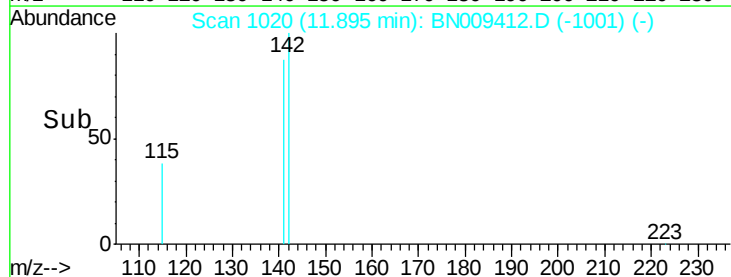
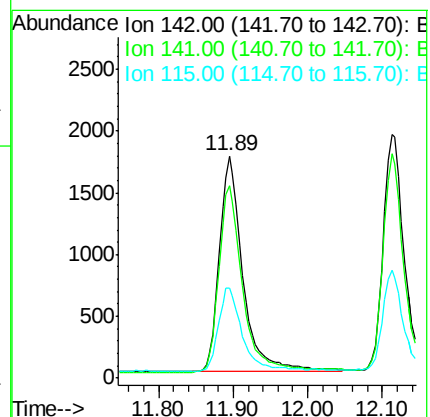
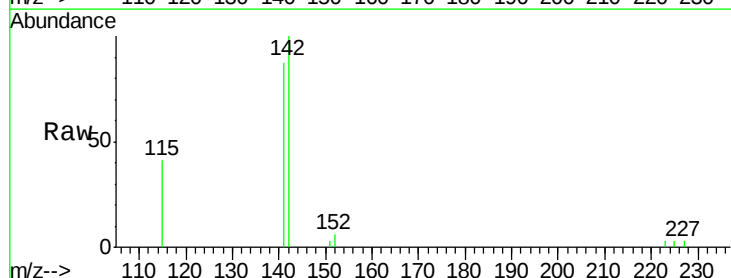
Tgt Ion:142 Resp: 3841

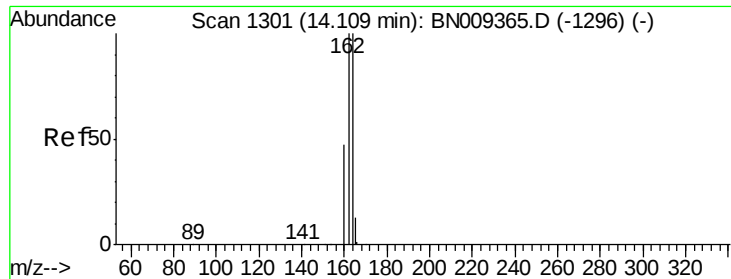
Ion Ratio Lower Upper

142 100

141 86.8 69.8 104.6

115 40.6 32.5 48.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.09 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_N

ClientSampleId :

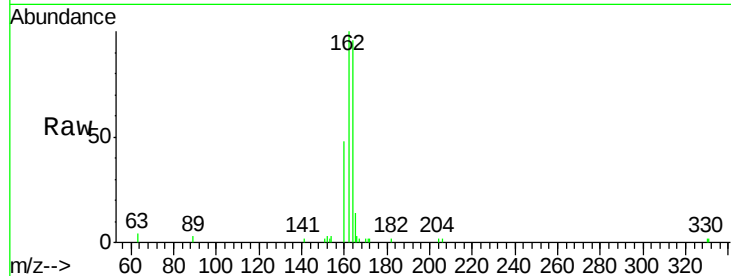
Tot Ion:164 Resp: 3446

Ion Ratio Lower Upper

164 100

162 104.6 79.8 119.6

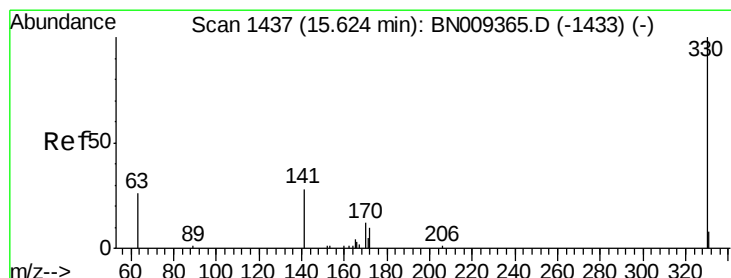
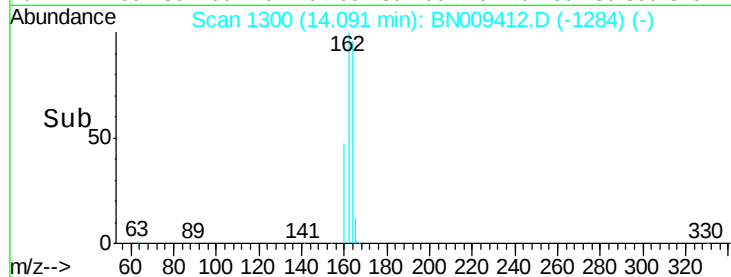
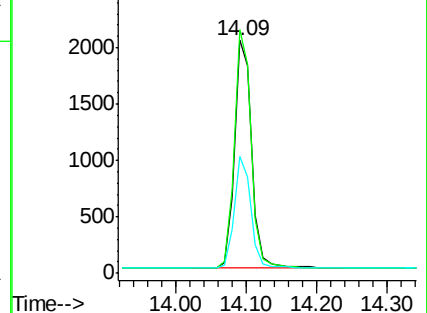
160 50.0 38.4 57.6



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: 15.61 min Scan# 1436

Delta R.T. -0.02 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

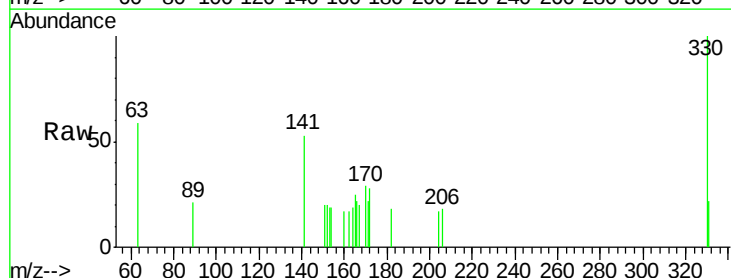
Tgt Ion:330 Resp: 445

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

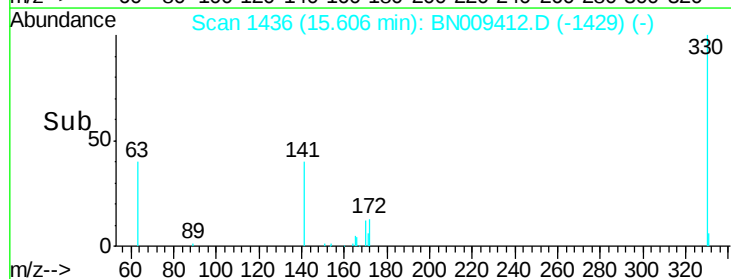
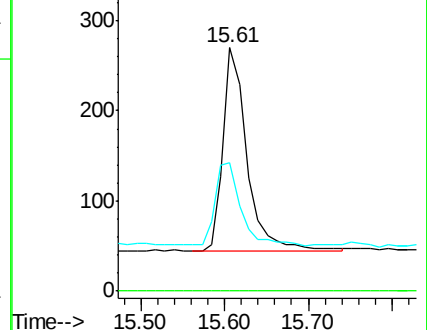
141 42.9 33.1 49.7

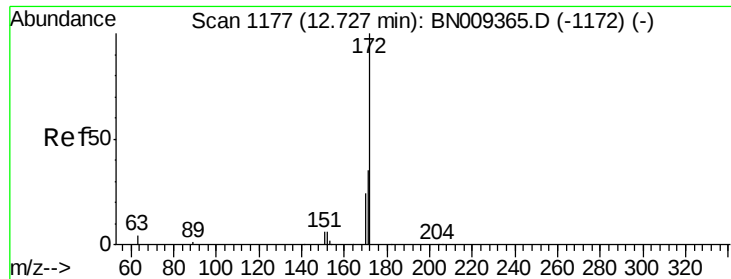


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

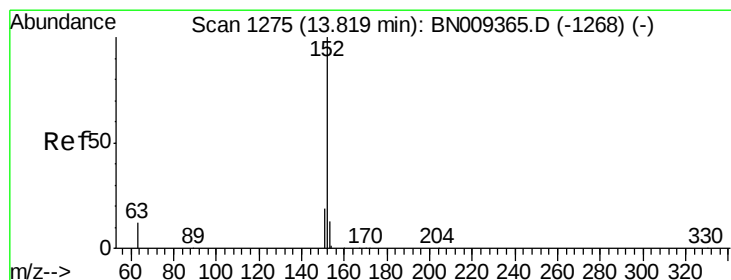
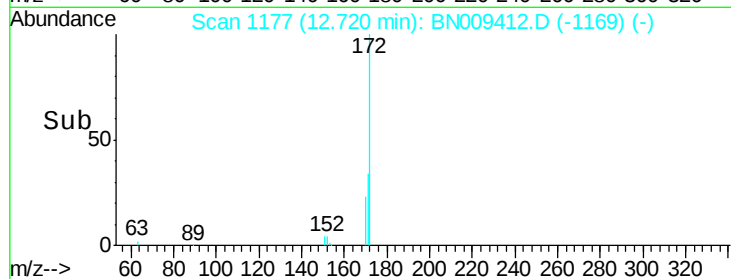
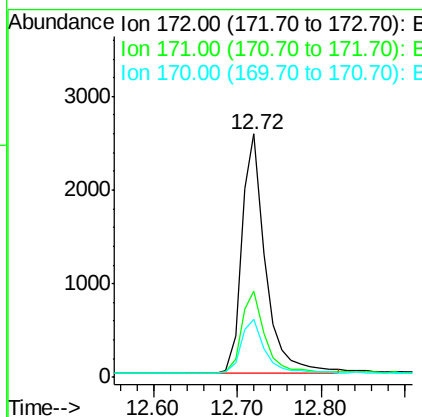
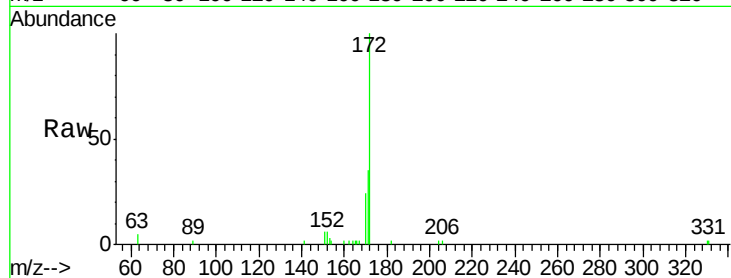




#15
2-Fluorobiphenyl
Concen: 0.385 ng
RT: 12.72 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BN009412.D
Acq: 21 Jan 2020 14:35

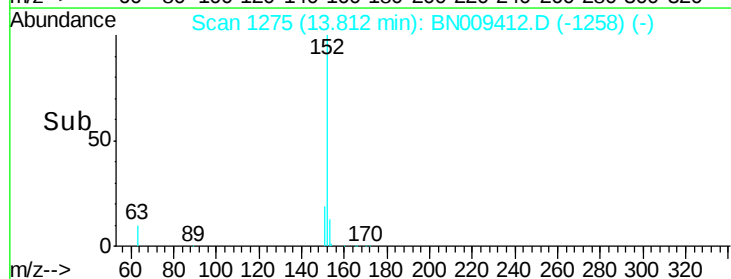
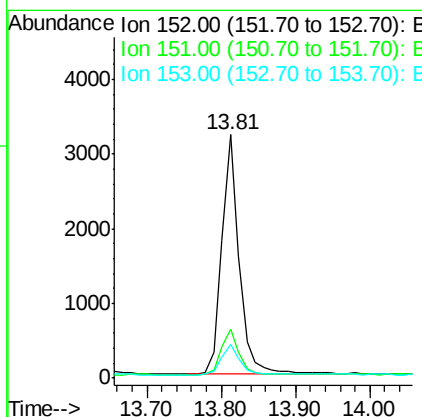
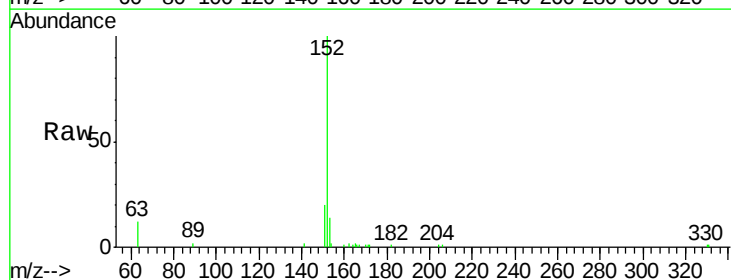
Instrument :
BNA_N
ClientSampleId :

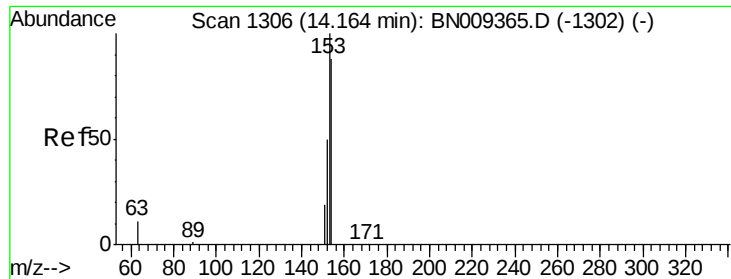
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.5	44.3
170	24.0	20.7	31.1



#16
Acenaphthylene
Concen: 0.352 ng
RT: 13.81 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BN009412.D
Acq: 21 Jan 2020 14:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	13.1	10.4	15.6





#17

Acenaphthene

Concen: 0.381 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_N

ClientSampleId :

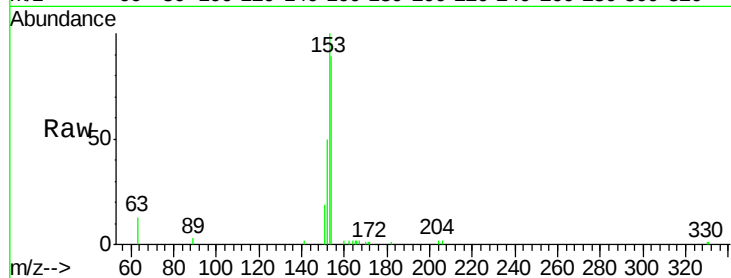
Tot Ion:154 Resp: 3980

Ion Ratio Lower Upper

154 100

153 112.3 90.5 135.7

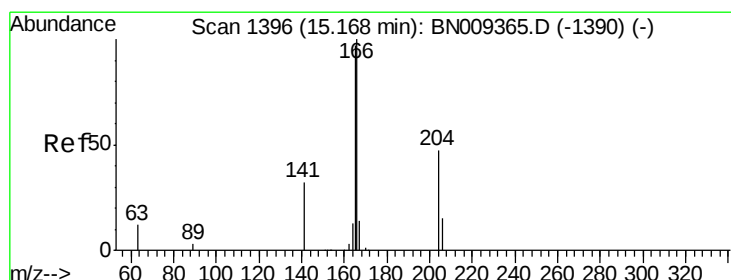
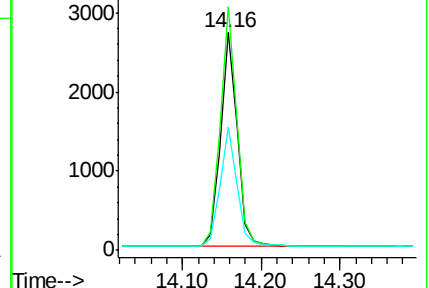
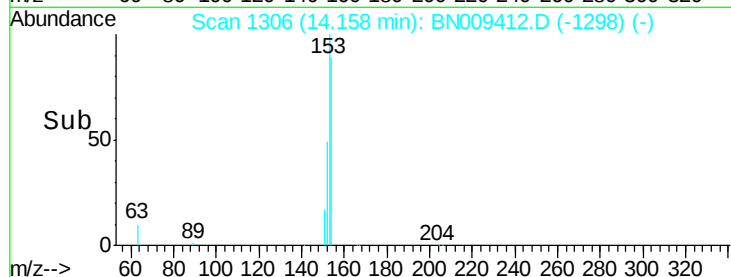
152 56.5 45.3 67.9



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: 0.379 ng

RT: 15.16 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

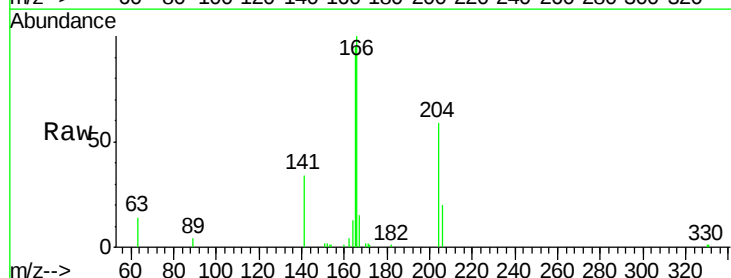
Tgt Ion:166 Resp: 5157

Ion Ratio Lower Upper

166 100

165 97.7 78.2 117.2

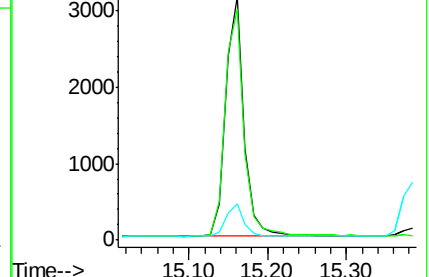
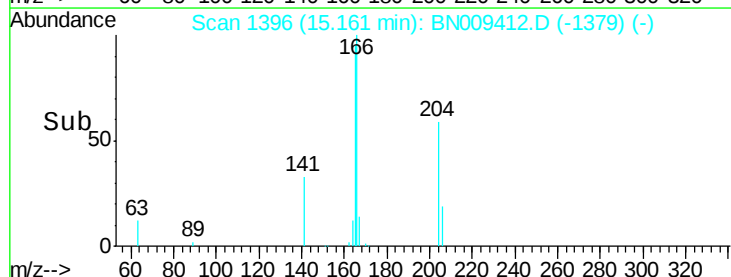
167 13.6 11.0 16.6

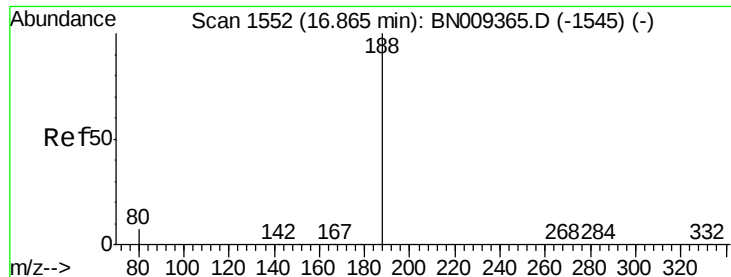


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.85 min Scan# 1551

Delta R.T. -0.02 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_N

ClientSampleId :

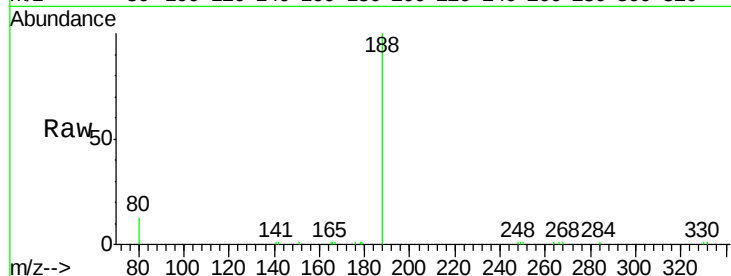
Tot Ion:188 Resp: 7787

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

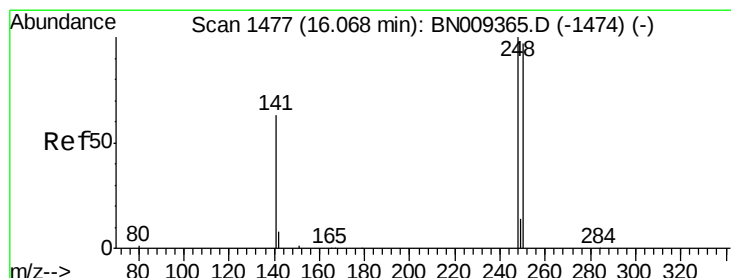
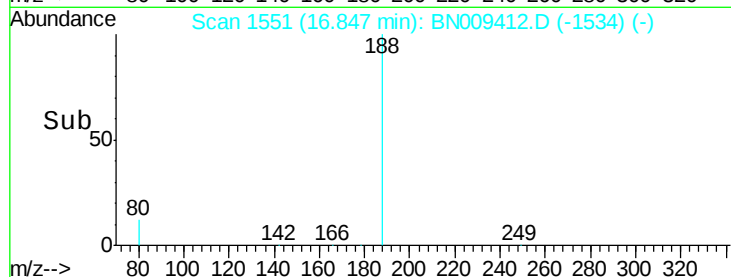
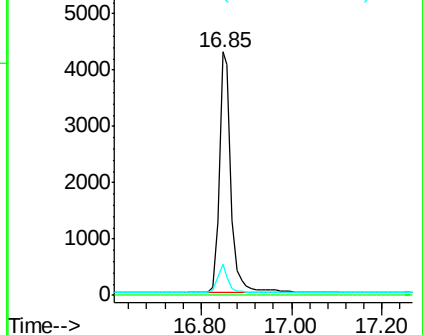
80 12.8 6.6 10.0#



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: 0.364 ng

RT: 16.06 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

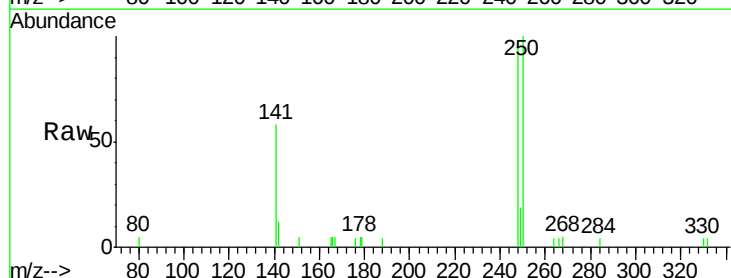
Tgt Ion:248 Resp: 1705

Ion Ratio Lower Upper

248 100

250 101.8 77.8 116.8

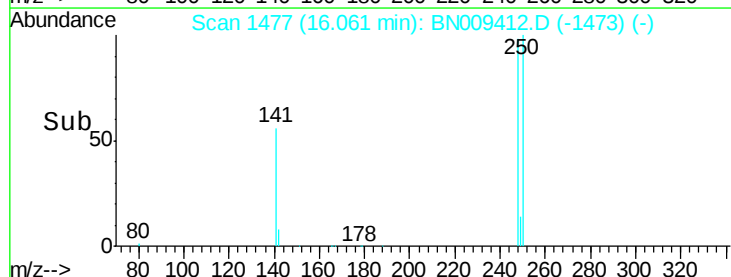
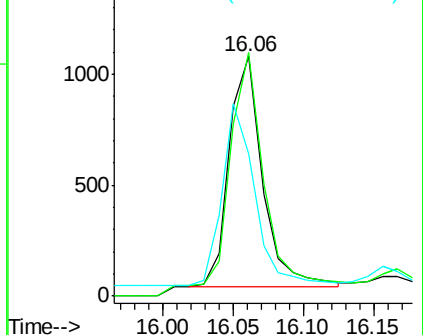
141 59.4 53.4 80.0

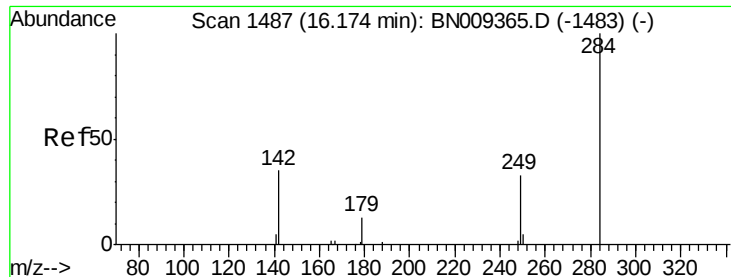


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

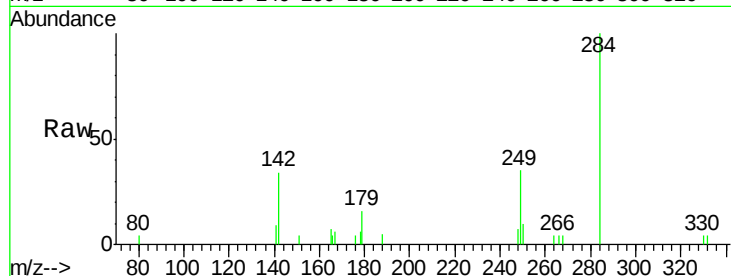




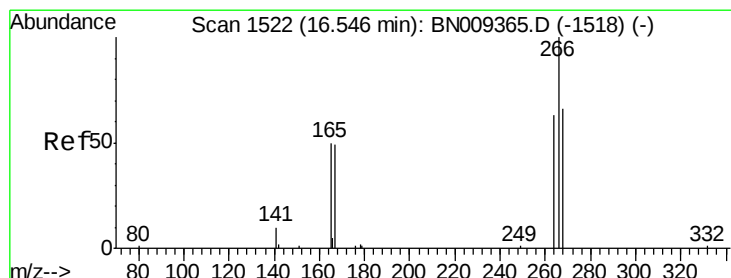
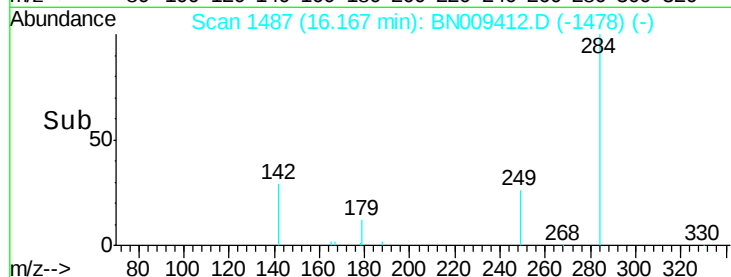
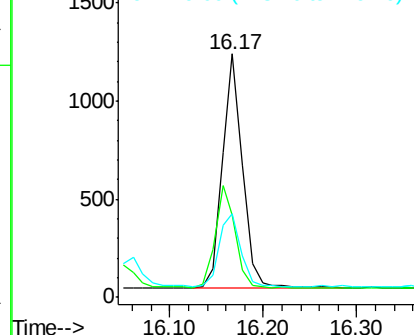
#21
Hexachlorobenzene
Concen: 0.357 ng
RT: 16.17 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BN009412.D
Acq: 21 Jan 2020 14:35

Instrument :
BNA_N
ClientSampleId :

Tot Ion:284 Resp: 1784
Ion Ratio Lower Upper
284 100
142 44.2 33.8 50.8
249 33.2 27.0 40.4

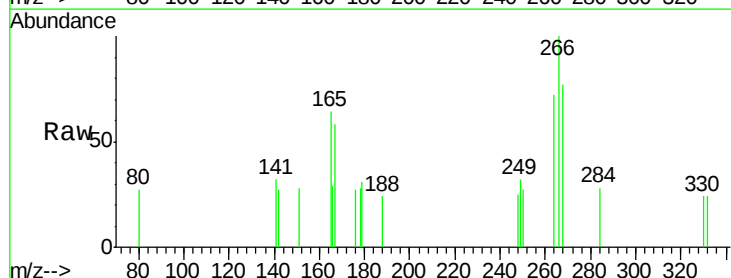


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

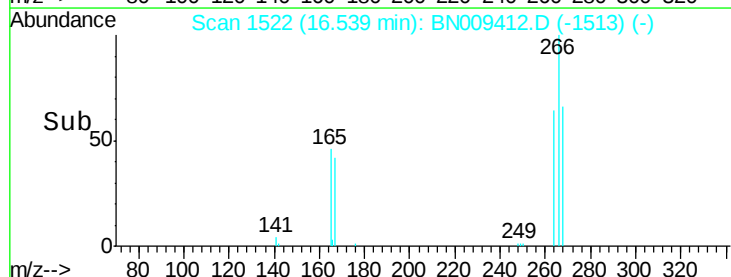
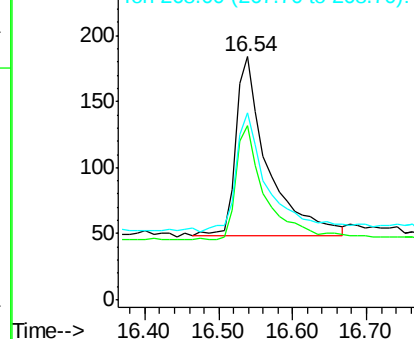


#22
Pentachlorophenol
Concen: 0.380 ng
RT: 16.54 min Scan# 1522
Delta R.T. -0.01 min
Lab File: BN009412.D
Acq: 21 Jan 2020 14:35

Tgt Ion:266 Resp: 411
Ion Ratio Lower Upper
266 100
264 71.7 57.8 86.6
268 77.2 63.8 95.6



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: 0.368 ng

RT: 16.89 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

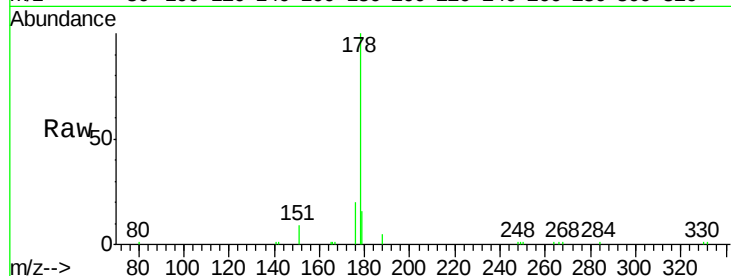
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 8600

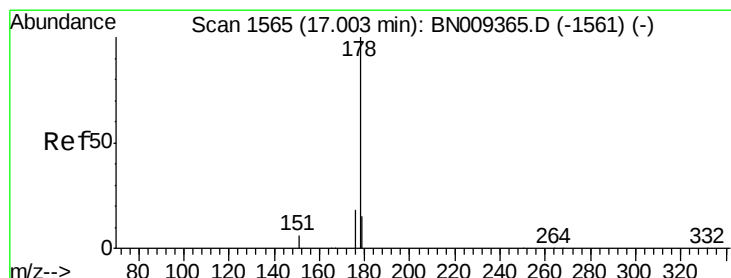
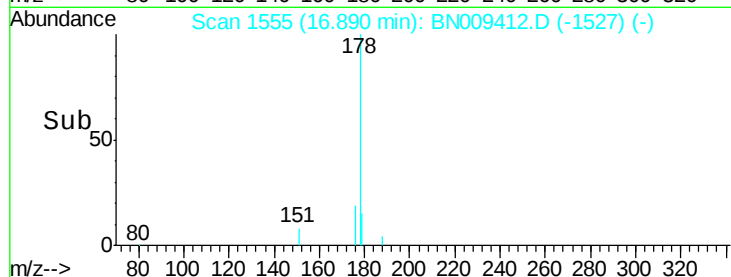
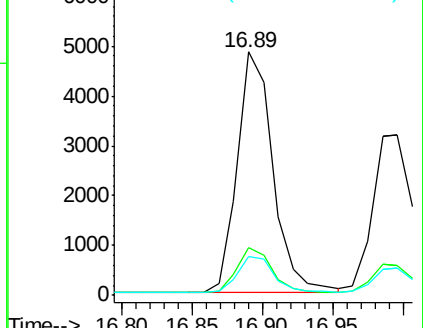
Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.6	12.3	18.5



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: 0.352 ng

RT: 17.00 min Scan# 1565

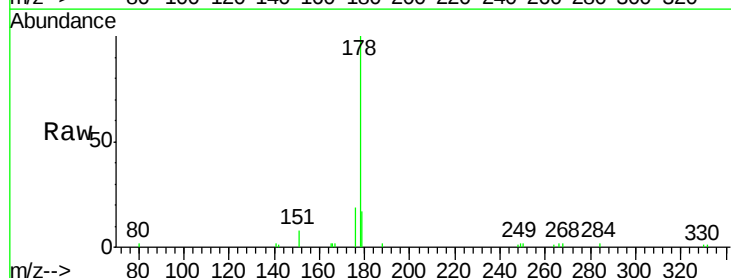
Delta R.T. -0.01 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

Tgt Ion:178 Resp: 6908

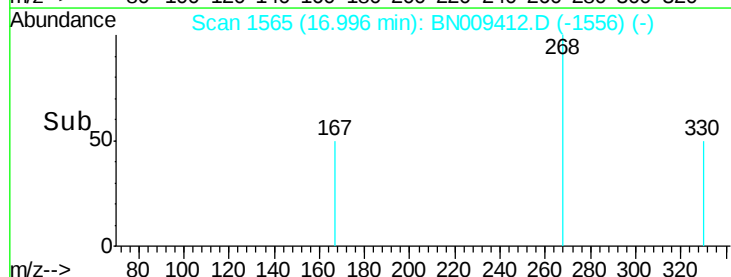
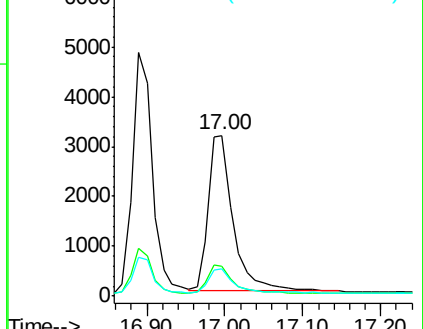
Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	15.1	12.5	18.7

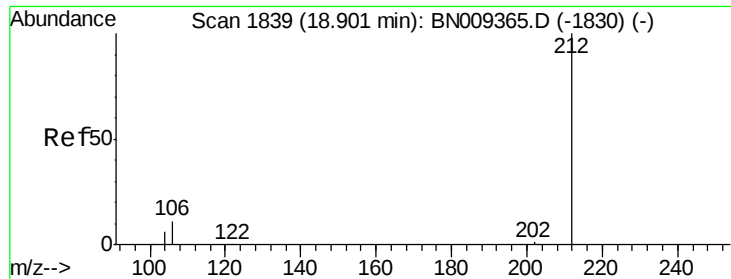


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.353 ng

RT: 18.89 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_N

ClientSampleId :

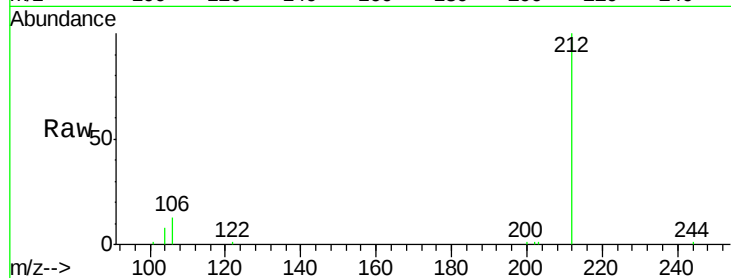
Tot Ion:212 Resp: 9420

Ion Ratio Lower Upper

212 100

106 11.8 9.2 13.8

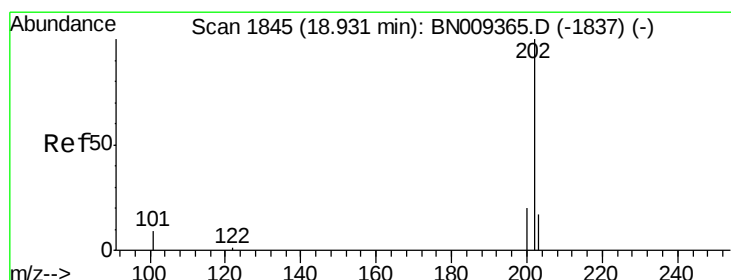
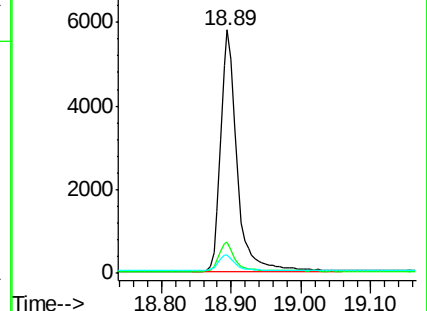
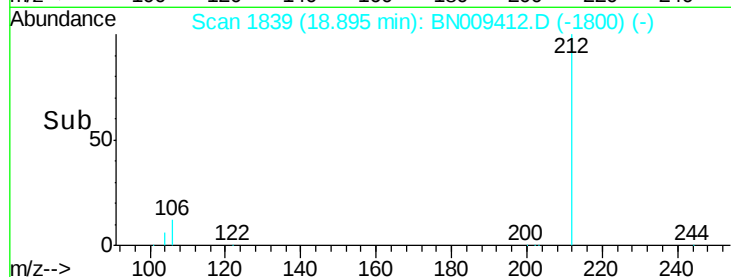
104 6.8 5.4 8.0



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: 0.353 ng

RT: 18.92 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

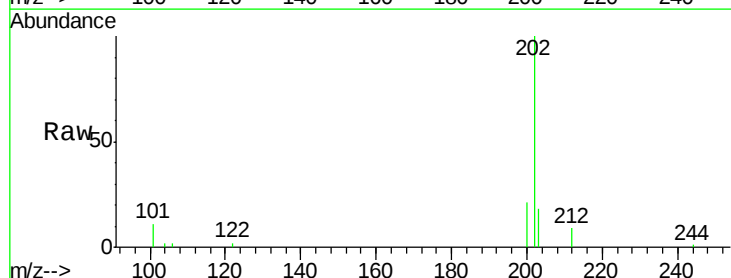
Tgt Ion:202 Resp: 9683

Ion Ratio Lower Upper

202 100

101 9.8 8.0 12.0

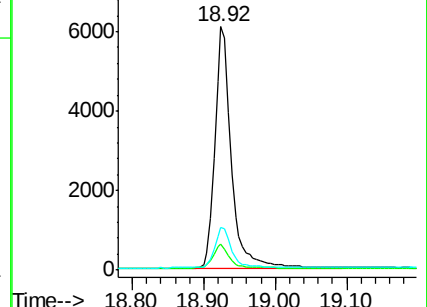
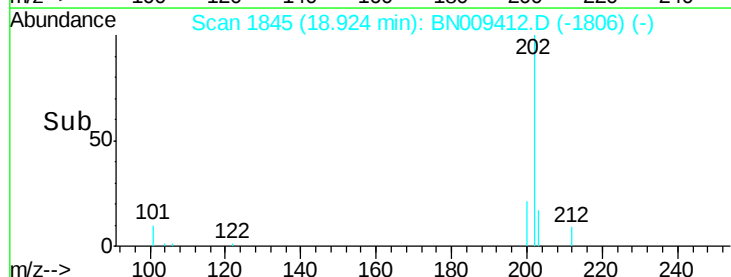
203 16.9 13.5 20.3

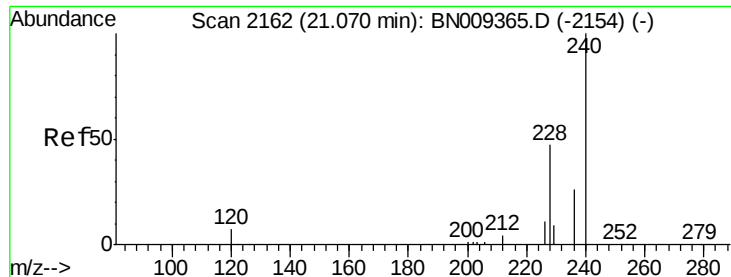


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

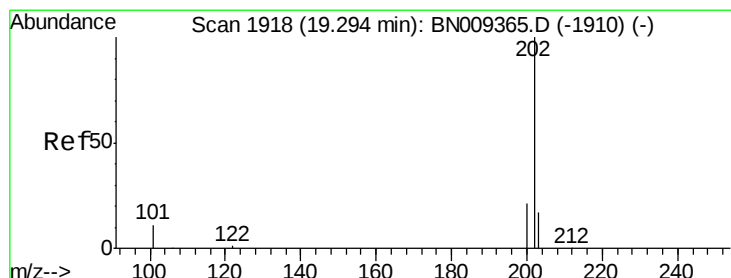
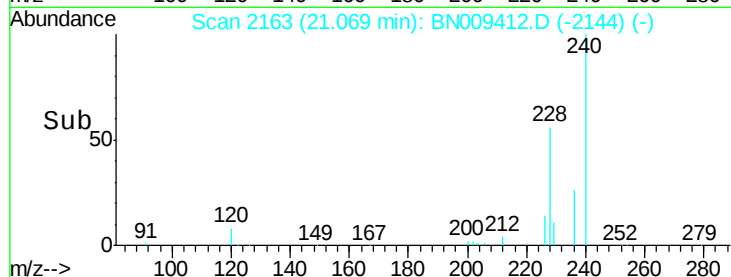
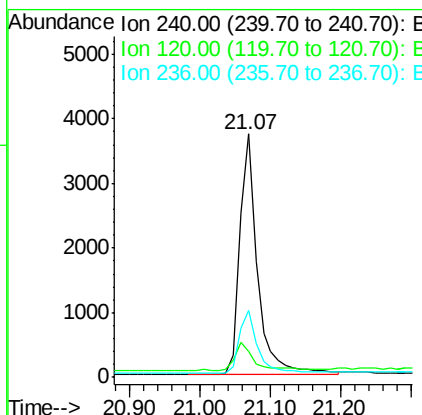
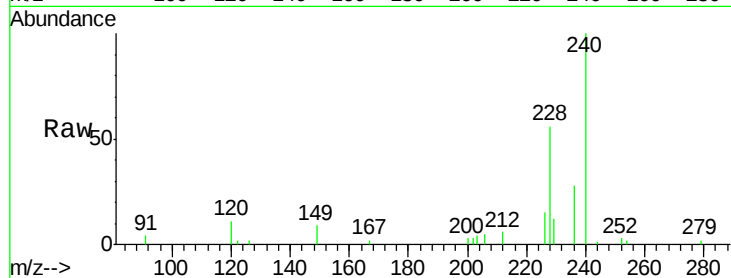




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.07 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: BN009412.D
 Acq: 21 Jan 2020 14:35

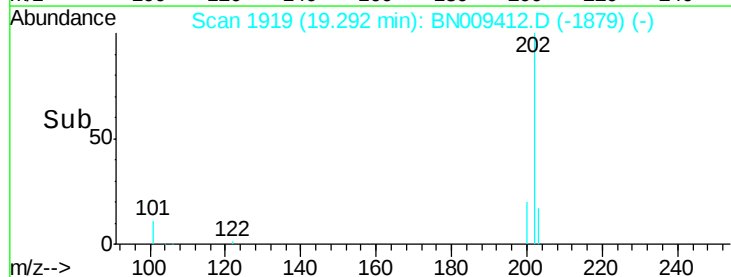
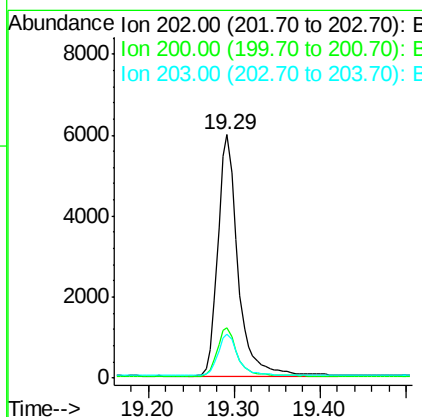
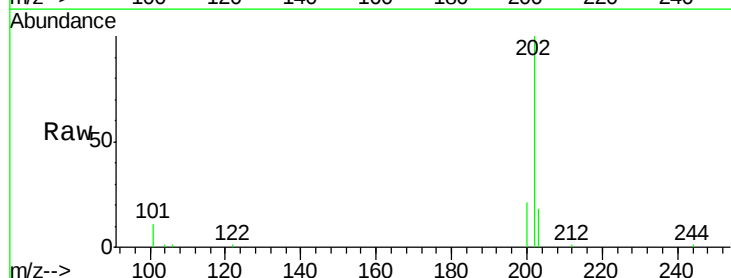
Instrument :
 BNA_N
 ClientSampleId :

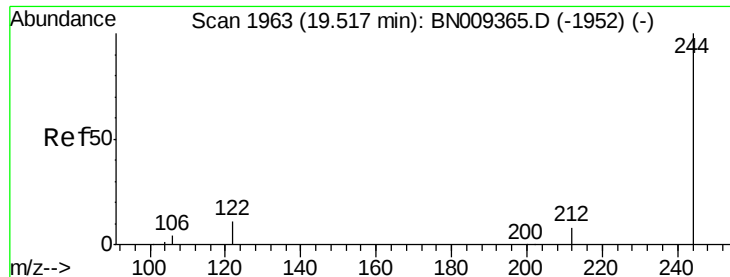
Tot Ion:240 Resp: 6424
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.1 12.1
 236 27.7 22.2 33.4



#28
 Pyrene
 Concen: 0.398 ng
 RT: 19.29 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: BN009412.D
 Acq: 21 Jan 2020 14:35

Tgt Ion:202 Resp: 9701
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.2 24.2
 203 17.5 14.1 21.1





#29

Terphenyl-d14

Concen: 0.385 ng

RT: 19.52 min Scan# 1964

Delta R.T. -0.00 min

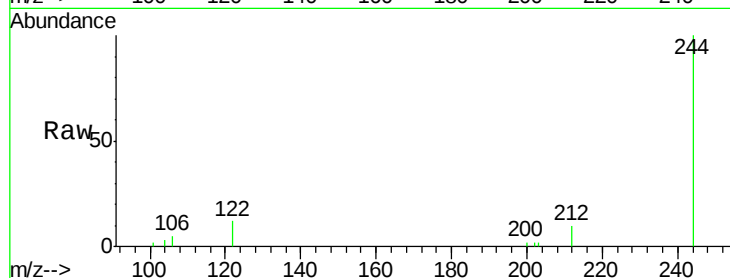
Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_N

ClientSampleId :



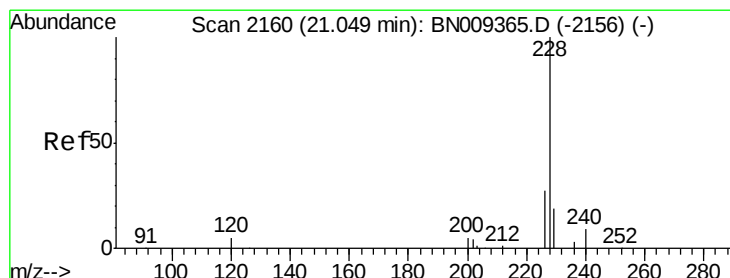
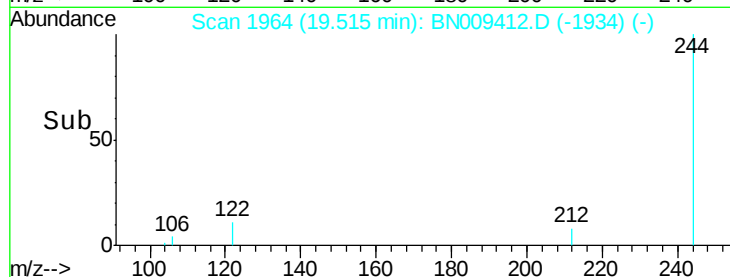
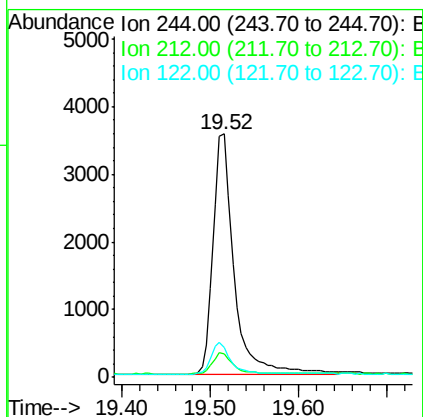
Tot Ion:244 Resp: 5866

Ion Ratio Lower Upper

244 100

212 9.7 7.5 11.3

122 12.0 9.8 14.6



#30

Benzo(a)anthracene

Concen: 0.359 ng

RT: 21.06 min Scan# 2162

Delta R.T. 0.01 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

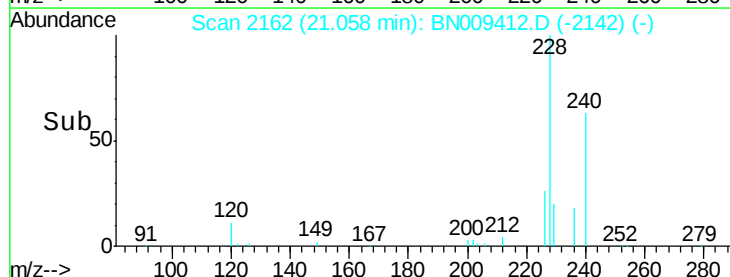
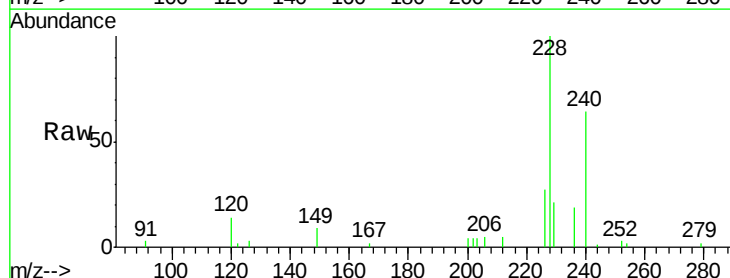
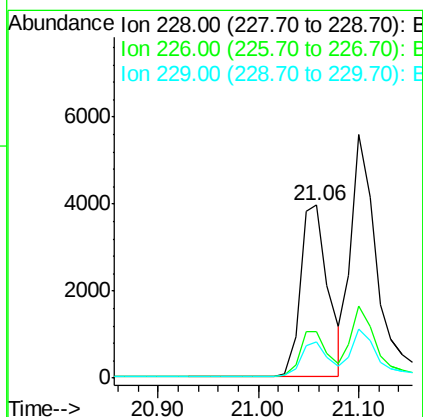
Tgt Ion:228 Resp: 7580

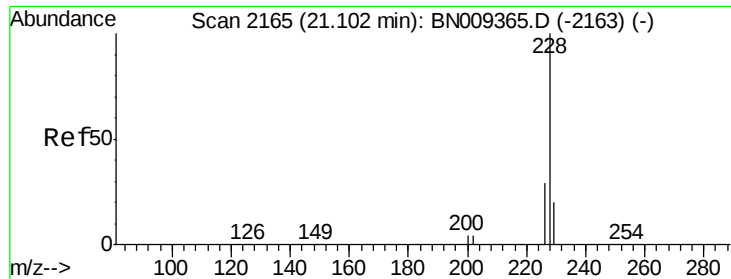
Ion Ratio Lower Upper

228 100

226 26.8 22.5 33.7

229 20.6 16.1 24.1





#31

Chrysene

Concen: 0.397 ng

RT: 21.10 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

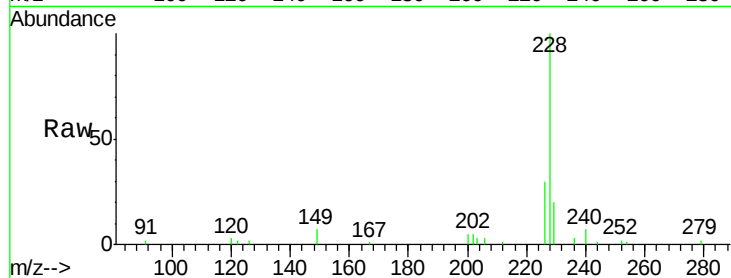
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 9580

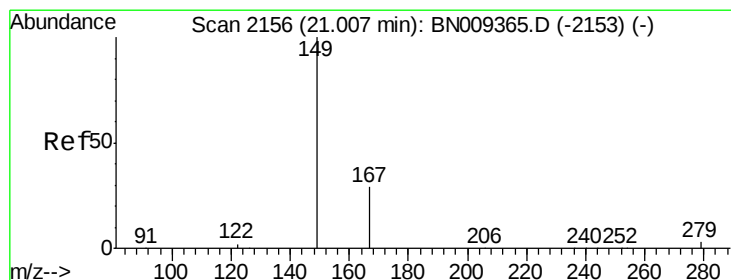
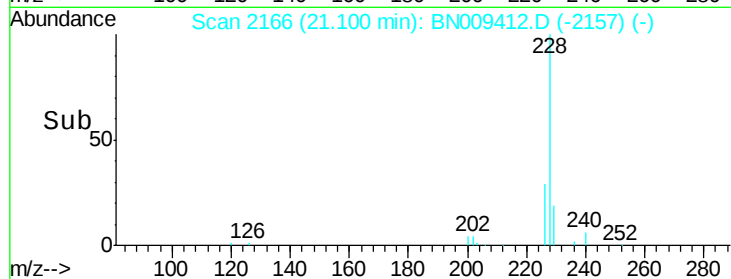
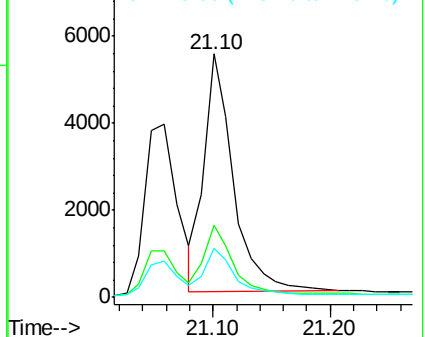
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.8
229	20.2	16.6	24.8



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: 0.348 ng

RT: 21.00 min Scan# 2157

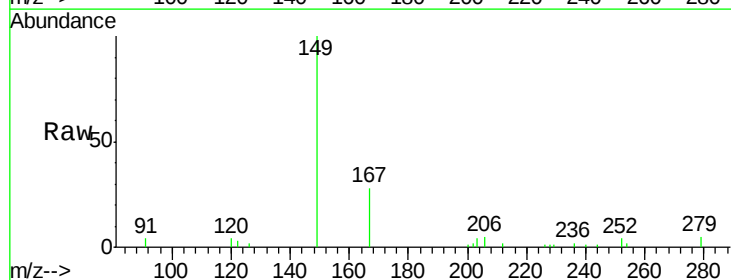
Delta R.T. -0.00 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

Tgt Ion:149 Resp: 3245

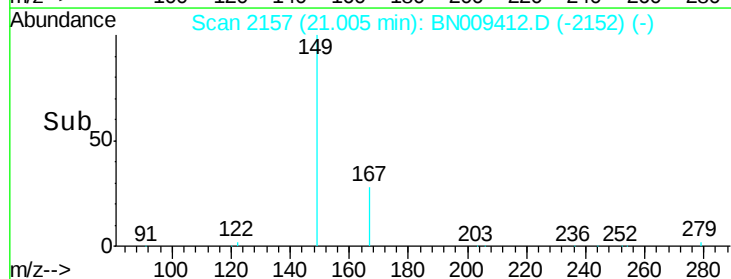
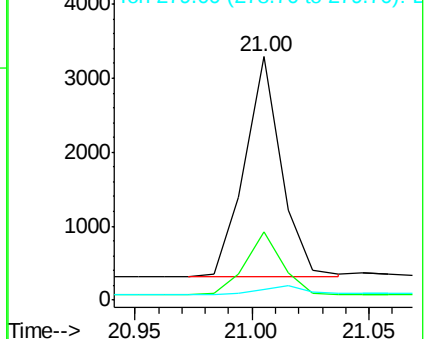
Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.9	34.3
279	4.6	3.4	5.0

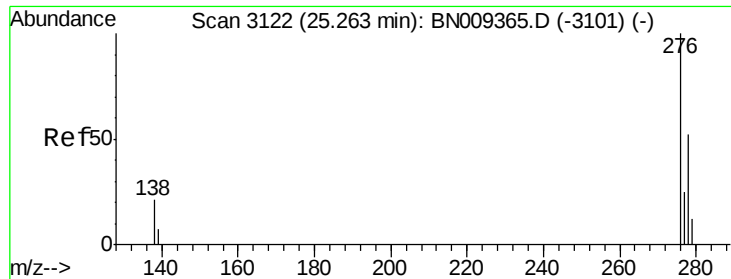


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

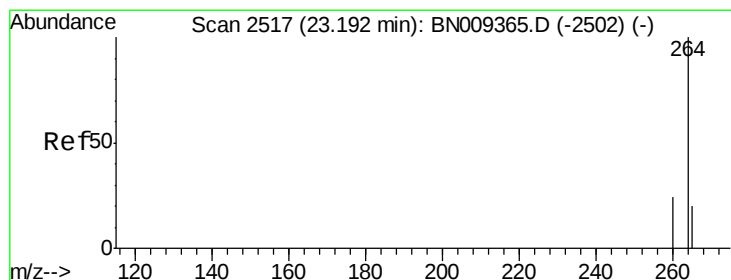
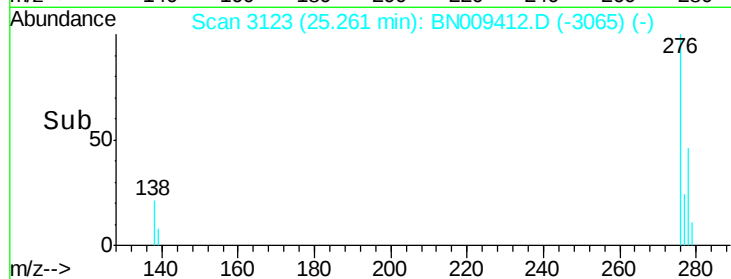
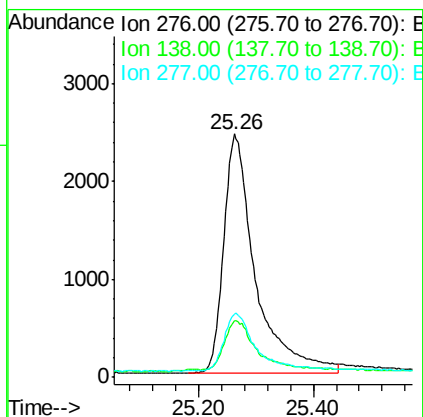
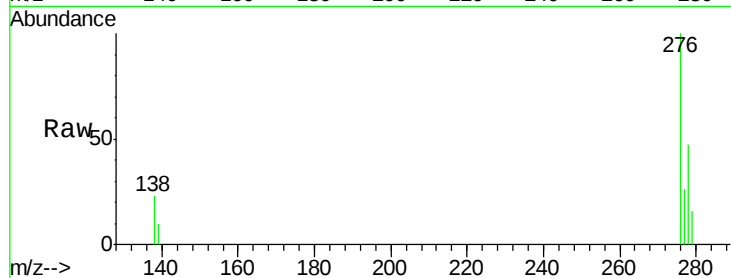




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.371 ng
 RT: 25.26 min Scan# 3123
 Delta R.T. -0.00 min
 Lab File: BN009412.D
 Acq: 21 Jan 2020 14:35

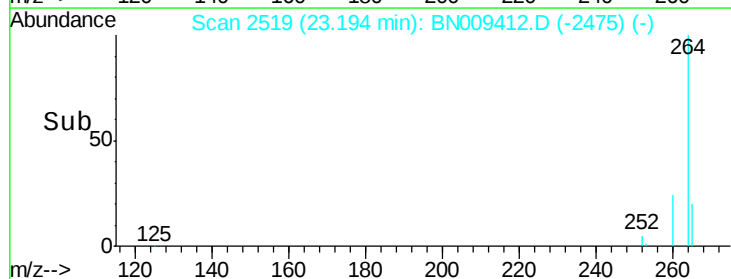
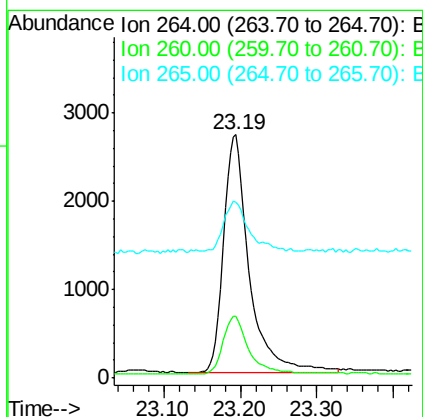
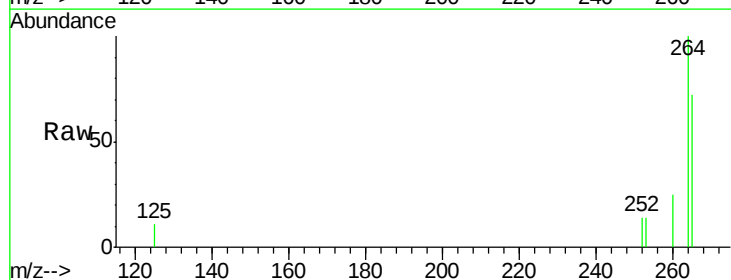
Instrument :
 BNA_N
 ClientSampleId :

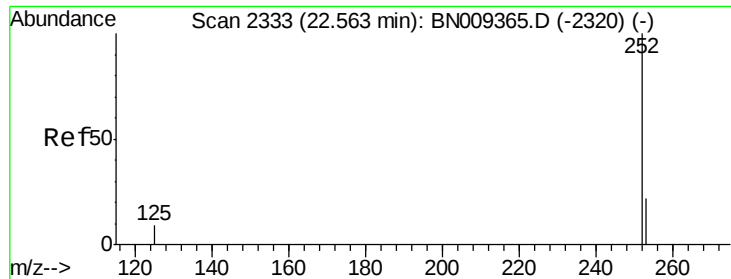
Tot Ion:276 Resp: 9326
 Ion Ratio Lower Upper
 276 100
 138 21.3 15.9 23.9
 277 24.4 19.8 29.6



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.19 min Scan# 2519
 Delta R.T. 0.00 min
 Lab File: BN009412.D
 Acq: 21 Jan 2020 14:35

Tgt Ion:264 Resp: 6332
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.1 30.1
 265 72.1 68.2 102.4





#35

Benzo(b)fluoranthene

Concen: 0.361 ng

RT: 22.56 min Scan# 2335

Delta R.T. 0.00 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_N

ClientSampleId :

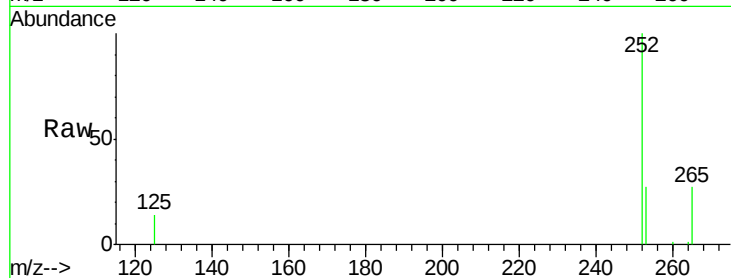
Tot Ion:252 Resp: 8403

Ion Ratio Lower Upper

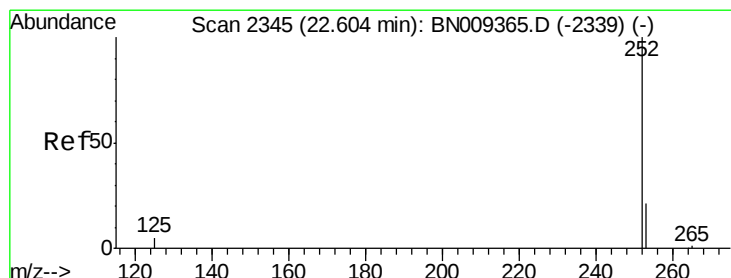
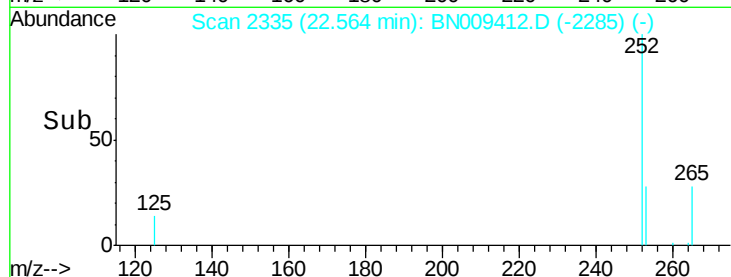
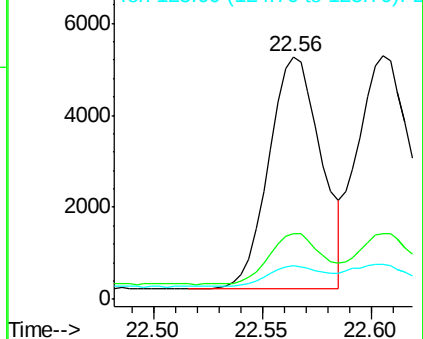
252 100

253 26.9 22.4 33.6

125 13.8 11.6 17.4



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: 0.399 ng

RT: 22.61 min Scan# 2347

Delta R.T. 0.00 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

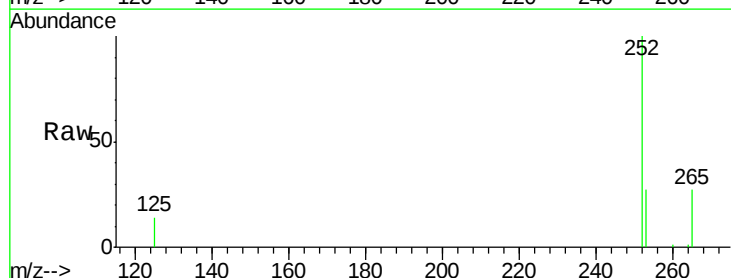
Tgt Ion:252 Resp: 10249

Ion Ratio Lower Upper

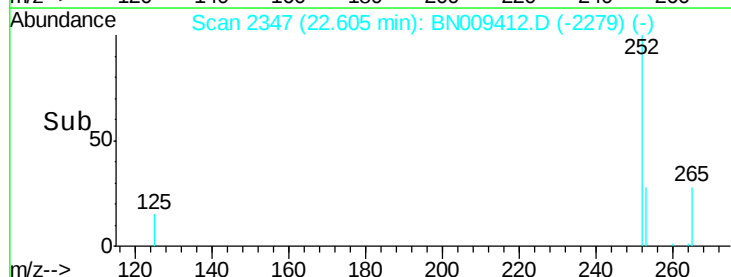
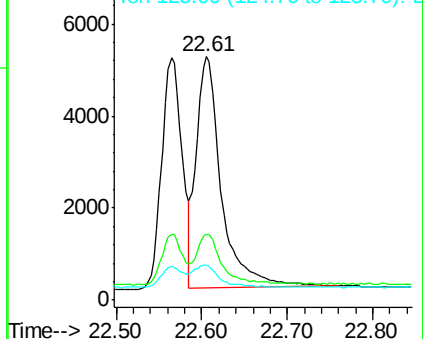
252 100

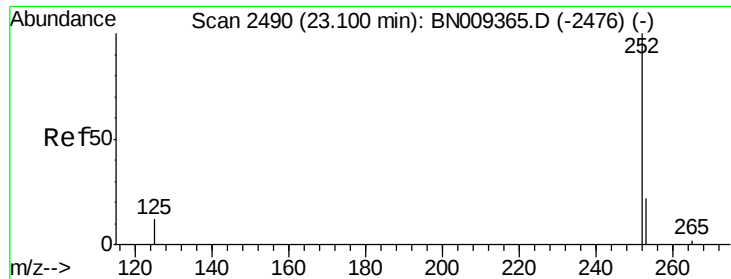
253 27.2 21.9 32.9

125 14.2 12.0 18.0



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: 0.376 ng

RT: 23.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_N

ClientSampleId :

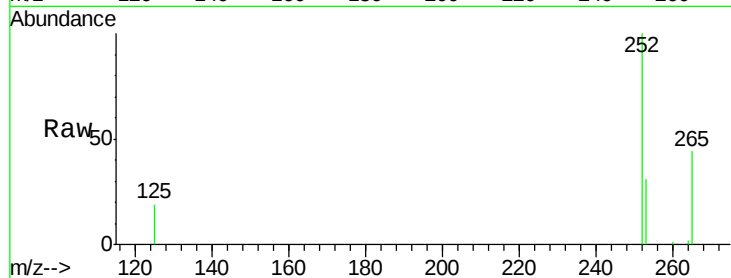
Tot Ion:252 Resp: 7700

Ion Ratio Lower Upper

252 100

253 30.9 25.4 38.0

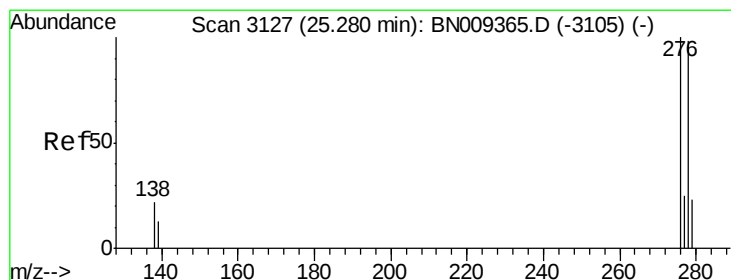
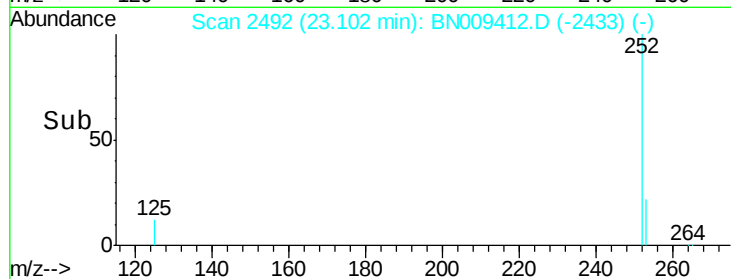
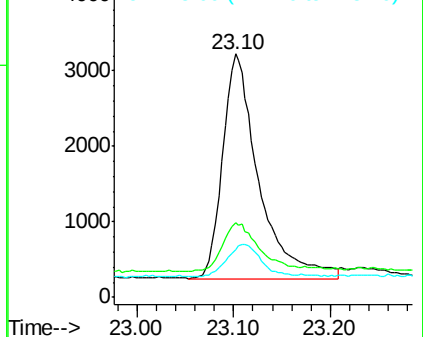
125 19.5 16.2 24.2



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: 0.349 ng

RT: 25.28 min Scan# 3128

Delta R.T. -0.00 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

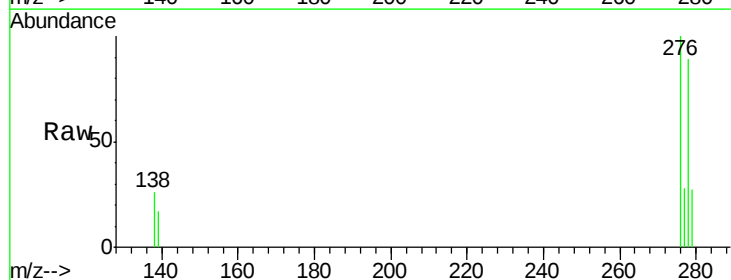
Tgt Ion:278 Resp: 7200

Ion Ratio Lower Upper

278 100

139 18.8 14.5 21.7

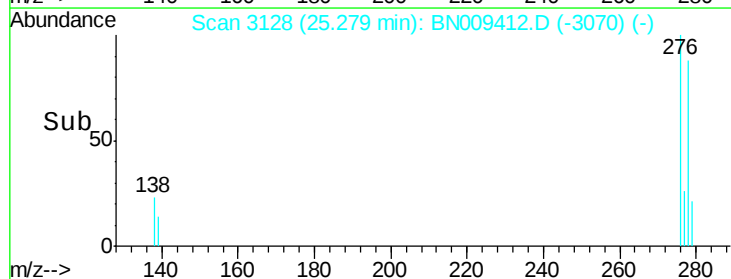
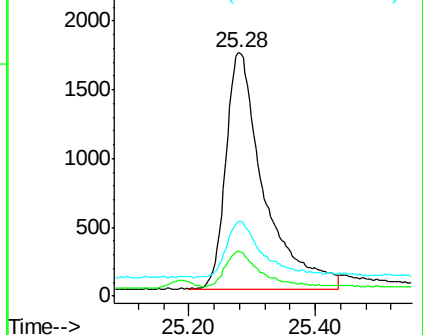
279 30.7 24.2 36.4

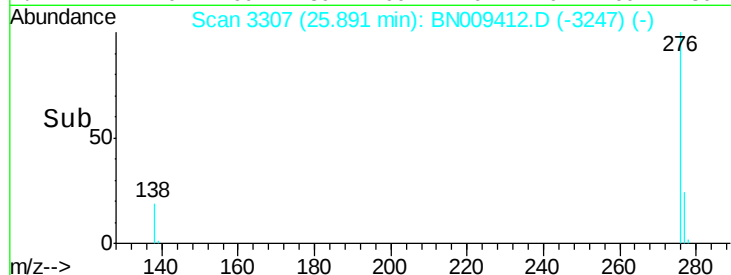
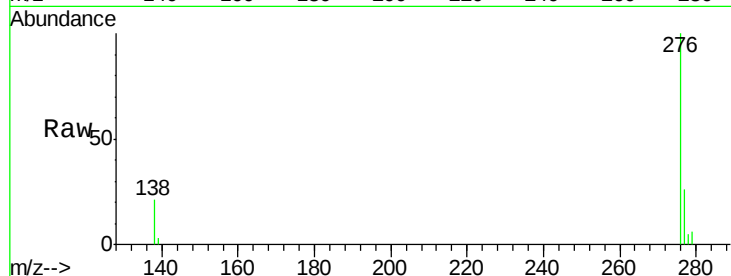
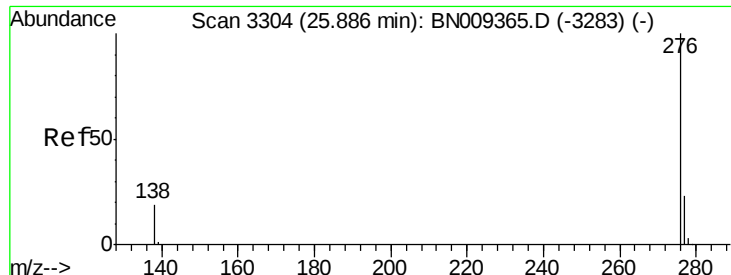


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.368 ng

RT: 25.89 min Scan# 3307

Delta R.T. 0.00 min

Lab File: BN009412.D

Acq: 21 Jan 2020 14:35

Instrument :

BNA_N

ClientSampleId :

Tot Ion:276 Resp: 8356

Ion Ratio Lower Upper

276 100

277 26.2 20.6 30.8

138 21.5 17.1 25.7

