

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082520\
 Data File : BN011631.D
 Acq On : 26 Aug 2020 01:03
 Operator : CG/JU
 Sample : PB131164BS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB131164BS

Quant Time: Aug 26 02:31:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 25 03:31:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	2167	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	8680	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	5467	0.40	ng	0.00
19) Phenanthrene-d10	17.14	188	12467	0.40	ng	0.00
29) Chrysene-d12	21.32	240	13024	0.40	ng	-0.01
36) Perylene-d12	23.58	264	13133	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.35	112	2475	0.36	ng	0.00
5) Phenol-d6	6.91	99	3513	0.36	ng	0.00
8) Nitrobenzene-d5	8.89	82	3237	0.43	ng	-0.01
11) 2-Methylnaphthalene-d10	12.14	152	6374	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1031	0.34	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	9169	0.43	ng	-0.01
27) Fluoranthene-d10	19.17	212	15406	0.38	ng	0.00
31) Terphenyl-d14	19.77	244	13717	0.41	ng	0.00

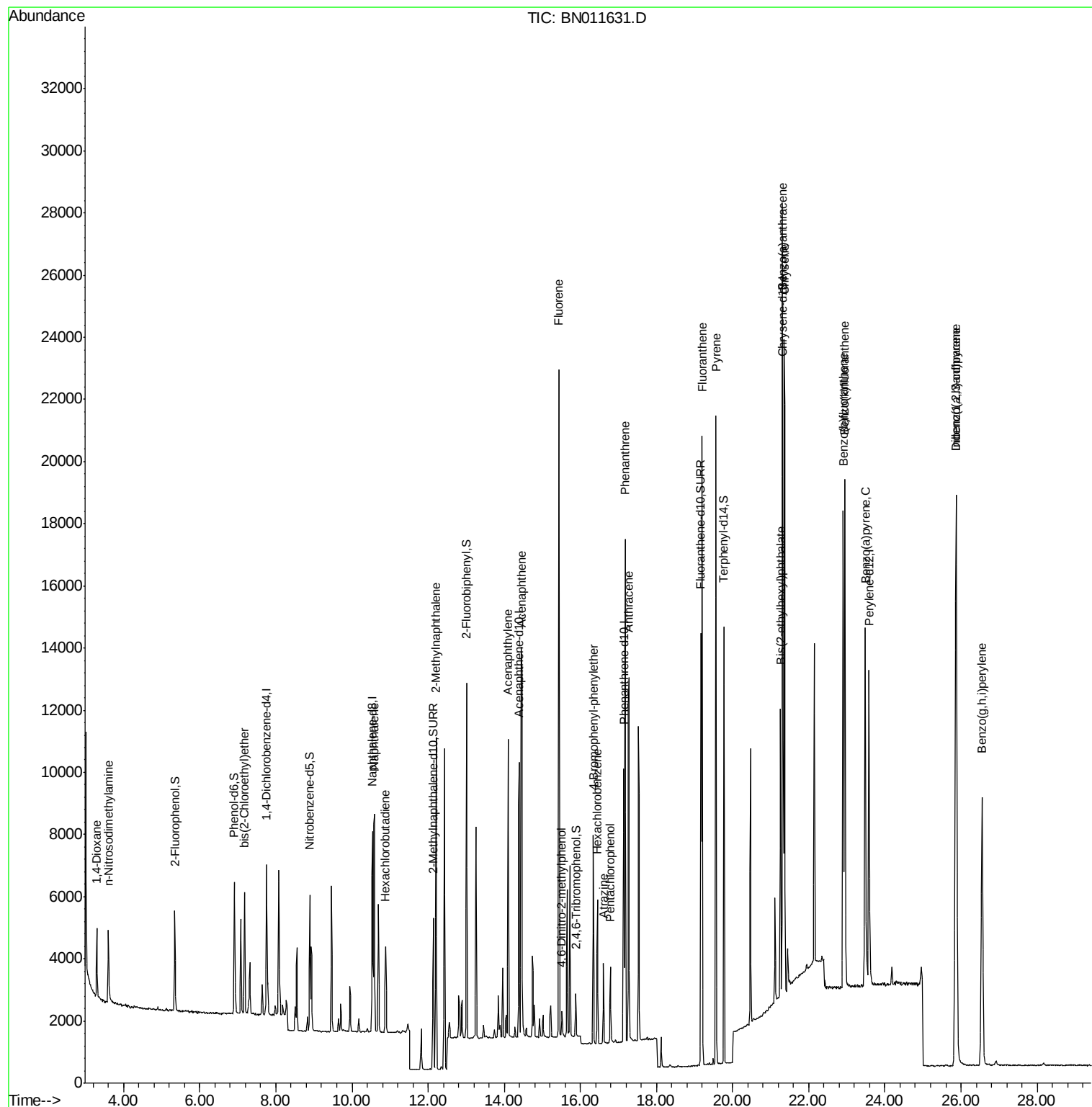
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	1409	0.419	ng	# 1
3) n-Nitrosodimethylamine	3.60	42	1642	0.464	ng	# 93
6) bis(2-Chloroethyl)ether	7.18	93	2804	0.403	ng	96
9) Naphthalene	10.59	128	9926	0.402	ng	94
10) Hexachlorobutadiene	10.88	225	2172	0.420	ng	# 98
12) 2-Methylnaphthalene	12.21	142	7234	0.397	ng	98
16) Acenaphthylene	14.10	152	10667	0.370	ng	99
17) Acenaphthene	14.46	154	7403	0.405	ng	97
18) Fluorene	15.44	166	9424	0.399	ng	99
20) 4,6-Dinitro-2-methylphenol	15.51	198	712	0.495	ng	# 36
21) 4-Bromophenyl-phenylether	16.34	248	2939	0.404	ng	# 72
22) Hexachlorobenzene	16.44	284	3577	0.425	ng	99
23) Atrazine	16.60	200	1859	0.259	ng	# 93
24) Pentachlorophenol	16.79	266	1169	0.315	ng	94
25) Phenanthrene	17.18	178	15801	0.408	ng	100
26) Anthracene	17.27	178	14117	0.370	ng	100
28) Fluoranthene	19.20	202	18637	0.397	ng	98
30) Pyrene	19.56	202	18678	0.404	ng	100
32) Benzo(a)anthracene	21.31	228	18079	0.385	ng	99
33) Chrysene	21.35	228	18853	0.421	ng	98
34) Bis(2-ethylhexyl)phthalate	21.26	149	7761	0.204	ng	95
35) Indeno(1,2,3-cd)pyrene	25.86	276	23330	0.427	ng	# 100
37) Benzo(b)fluoranthene	22.91	252	19547	0.411	ng	# 94
38) Benzo(k)fluoranthene	22.95	252	20016	0.423	ng	# 91
39) Benzo(a)pyrene	23.48	252	17284	0.390	ng	# 96
40) Dibenzo(a,h)anthracene	25.88	278	19391	0.418	ng	# 93
41) Benzo(g,h,i)perylene	26.55	276	18658	0.415	ng	# 95

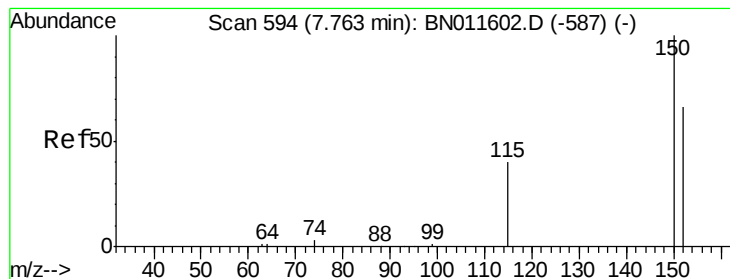
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.76 min Scan# 593

Delta R.T. -0.01 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

Instrument :

BNA_N

ClientSampleId :

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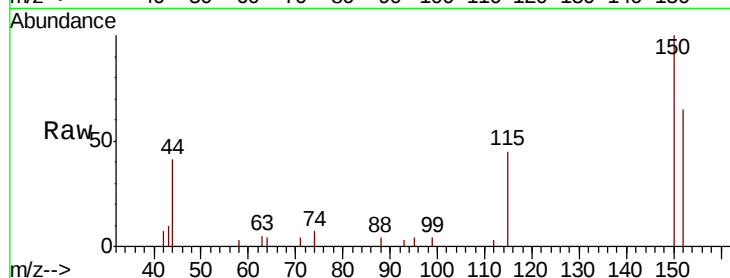
Tot Ion:152 Resp: 2167

Ion Ratio Lower Upper

152 100

150 153.1 112.4 168.6

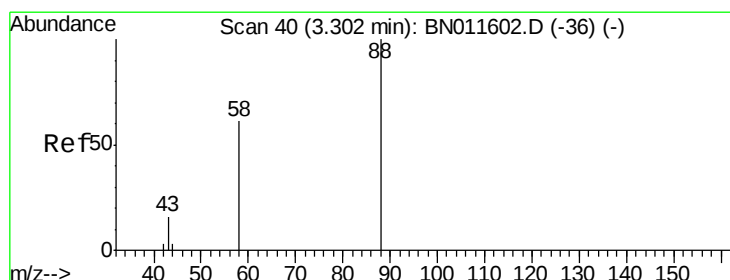
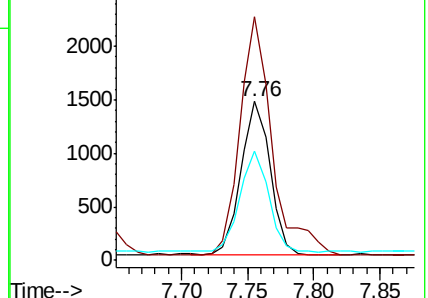
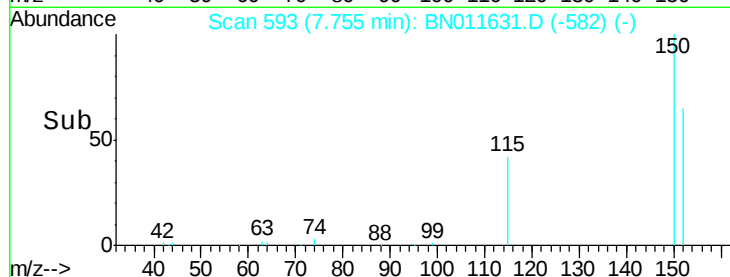
115 68.5 56.9 85.3



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: 0.419 ng

RT: 3.30 min Scan# 40

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

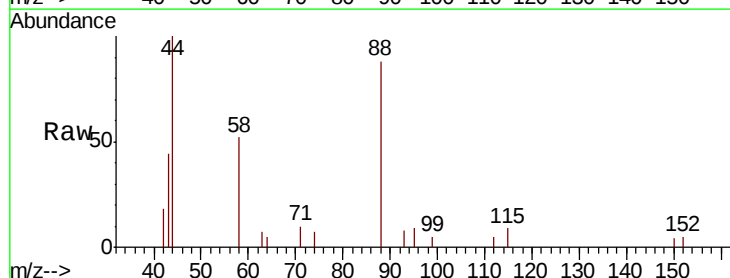
Tgt Ion: 88 Resp: 1409

Ion Ratio Lower Upper

88 100

58 72.3 3.0 4.4#

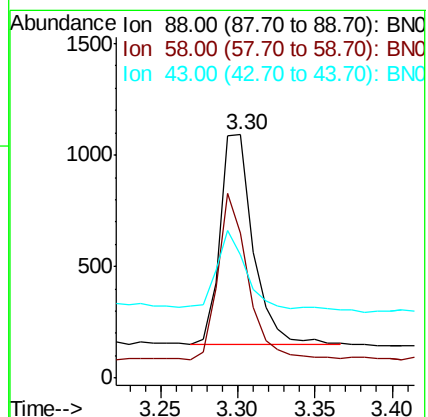
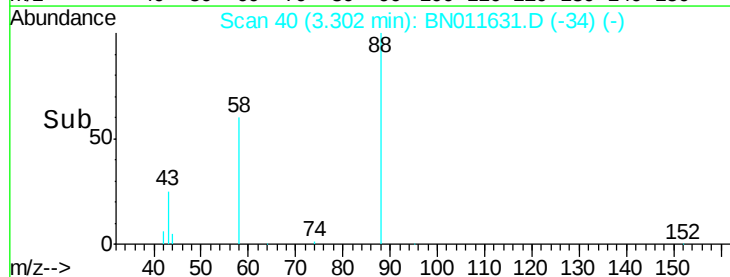
43 34.3 0.0 0.0#

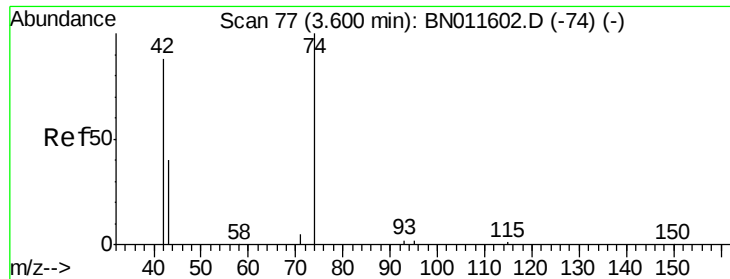


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.464 ng

RT: 3.60 min Scan# 77

Delta R.T. -0.00 min

Lab File: BN011631.D

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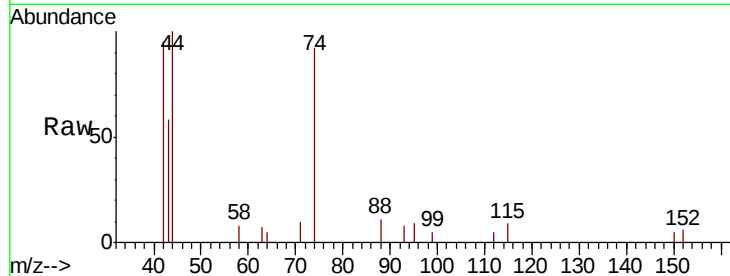
Tot Ion: 42 Resp: 1642

Ion Ratio Lower Upper

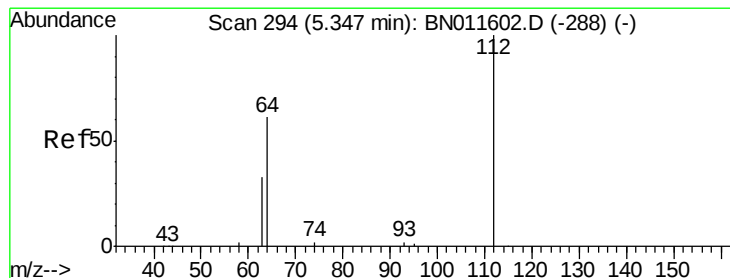
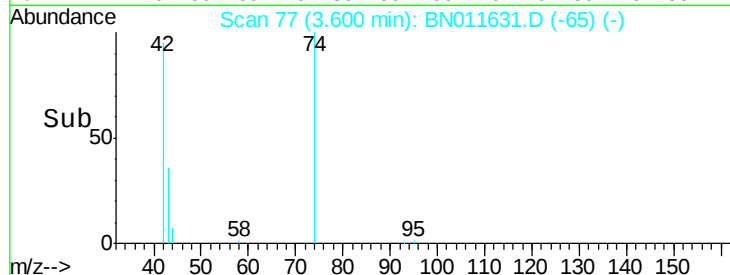
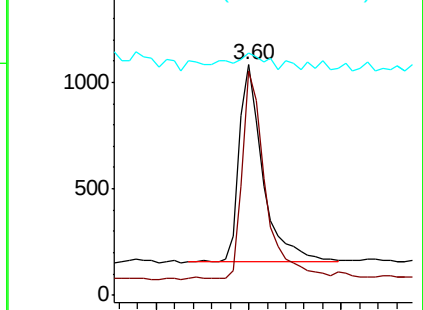
42 100

74 101.7 0.0 0.0#

44 12.7 8.2 12.4#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.357 ng

RT: 5.35 min Scan# 294

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

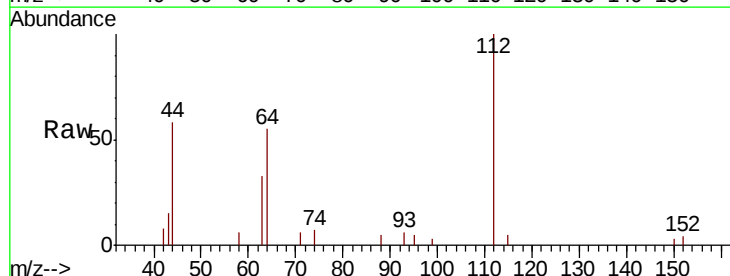
Tgt Ion: 112 Resp: 2475

Ion Ratio Lower Upper

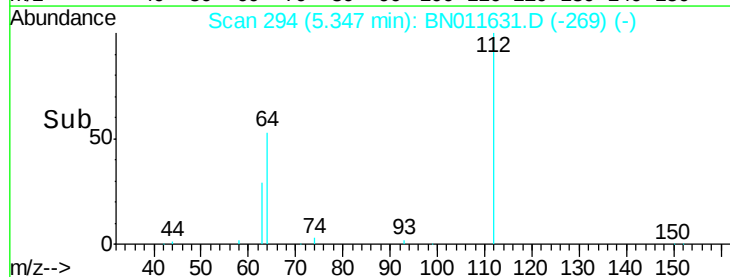
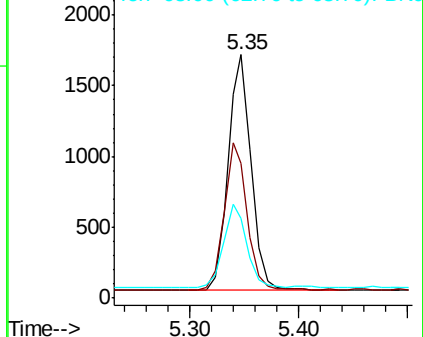
112 100

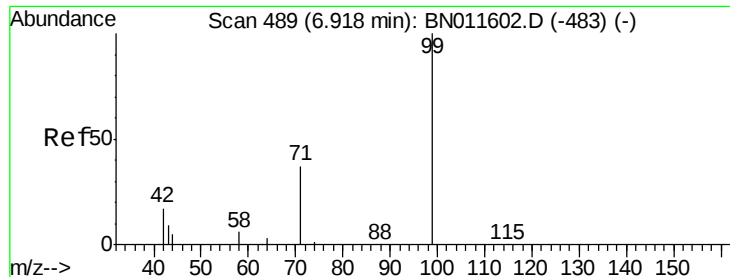
64 62.0 49.6 74.4

63 35.6 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.359 ng

RT: 6.91 min Scan# 488

Delta R.T. -0.01 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

Instrument :

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PB131164BS

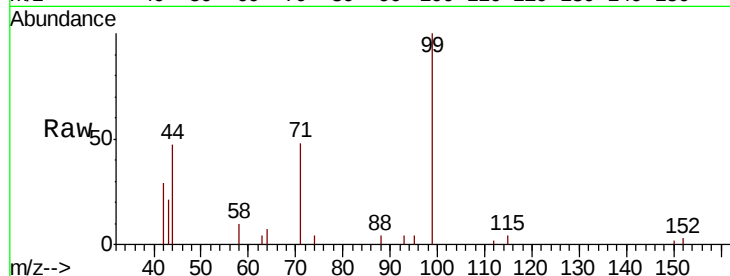
Tot Ion: 99 Resp: 3513

Ion Ratio Lower Upper

99 100

42 25.0 0.0 0.0#

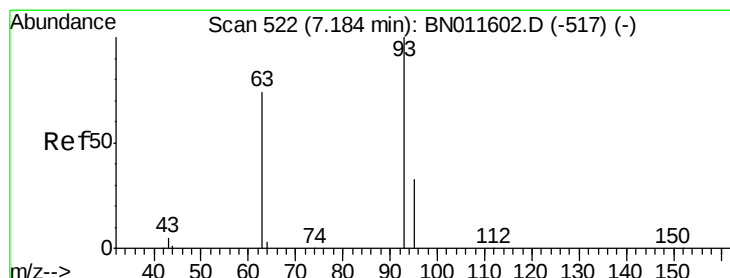
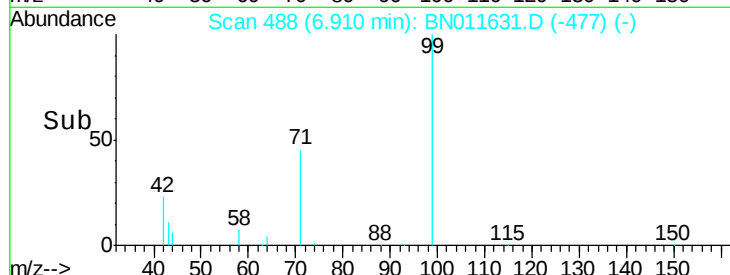
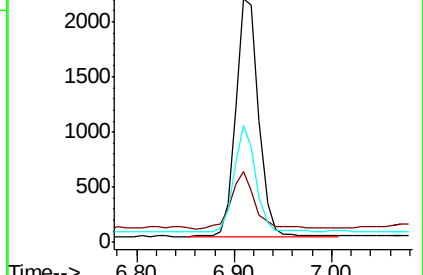
71 42.0 0.0 0.0#



Abundance Ion 99.00 (98.70 to 99.70): BN011631.D (-477) (-)

Ion 42.00 (41.70 to 42.70): BN011631.D (-477) (-)

Ion 71.00 (70.70 to 71.70): BN011631.D (-477) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.403 ng

RT: 7.18 min Scan# 522

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

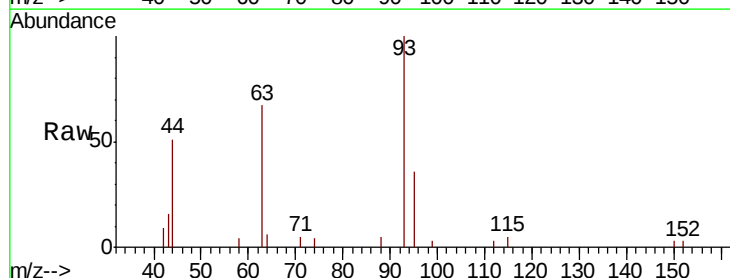
Tgt Ion: 93 Resp: 2804

Ion Ratio Lower Upper

93 100

63 76.1 57.8 86.8

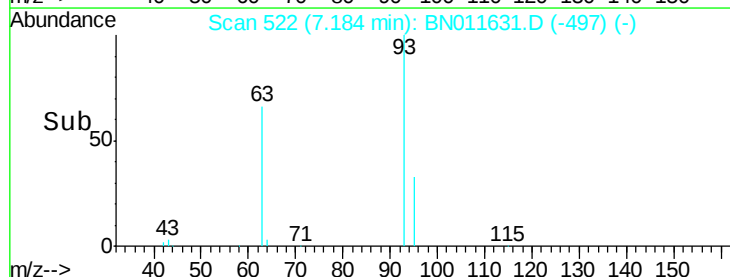
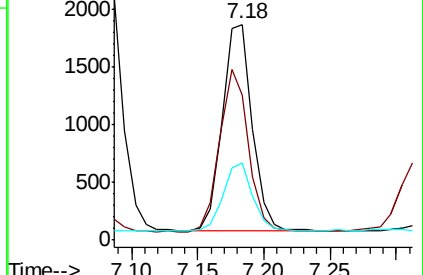
95 32.8 28.3 42.5

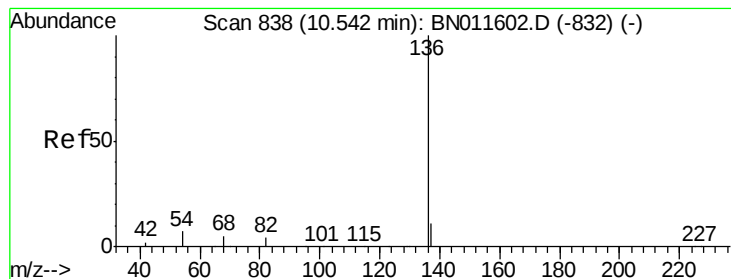


Abundance Ion 93.00 (92.70 to 93.70): BN011631.D (-497) (-)

Ion 63.00 (62.70 to 63.70): BN011631.D (-497) (-)

Ion 95.00 (94.70 to 95.70): BN011631.D (-497) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 838

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

Instrument :

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ClientSampleId :

PB131164BS

Tot Ion:136 Resp: 8680

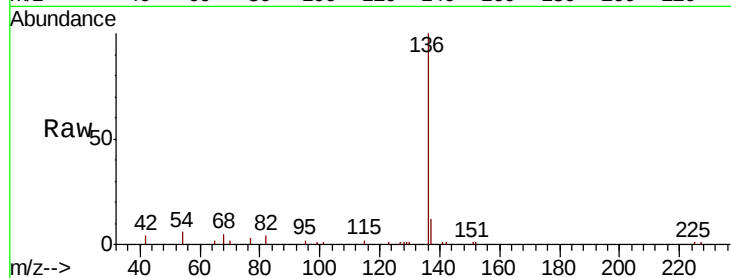
Ion Ratio Lower Upper

136 100

137 12.0 11.5 17.3

54 6.2 11.9 17.9#

68 4.6 12.3 18.5#

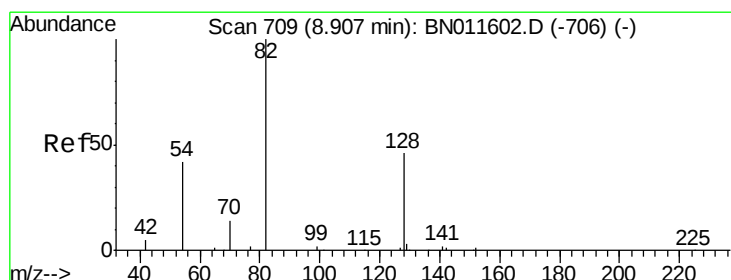
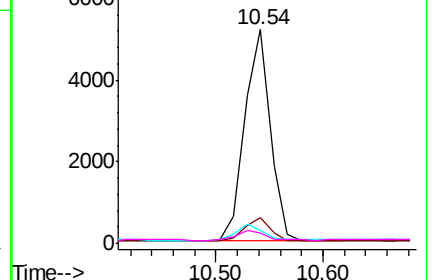
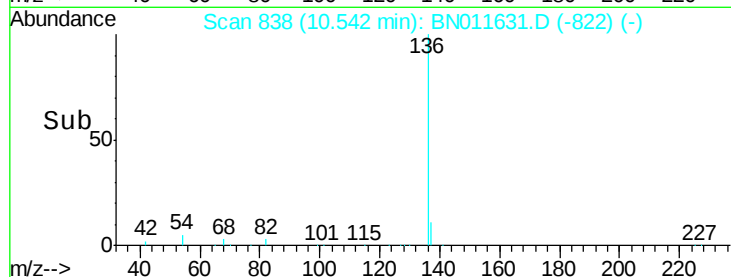


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.431 ng

RT: 8.89 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

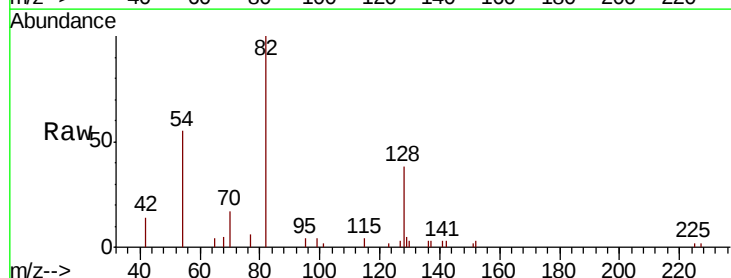
Tgt Ion: 82 Resp: 3237

Ion Ratio Lower Upper

82 100

128 37.6 31.1 46.7

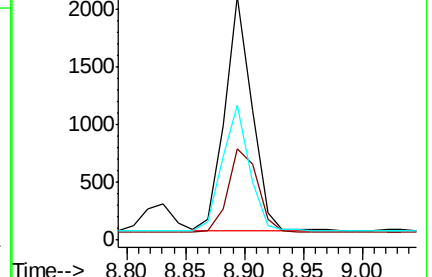
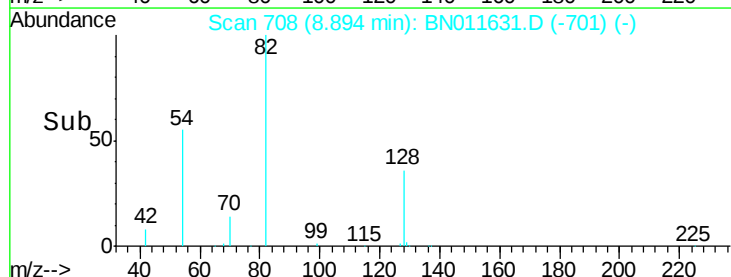
54 55.4 37.1 55.7

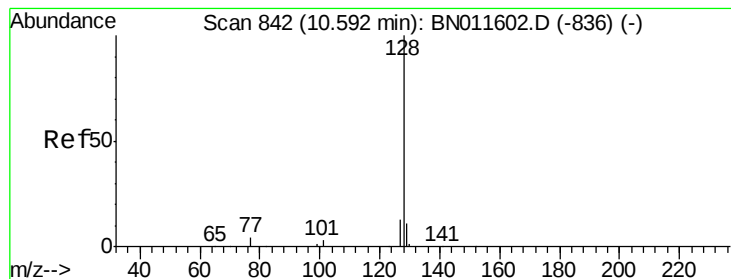


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.402 ng

RT: 10.59 min Scan# 842

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

Instrument :

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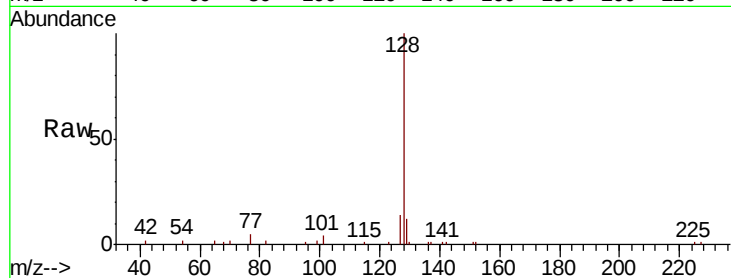
Tot Ion:128 Resp: 9926

Ion Ratio Lower Upper

128 100

129 11.8 11.0 16.4

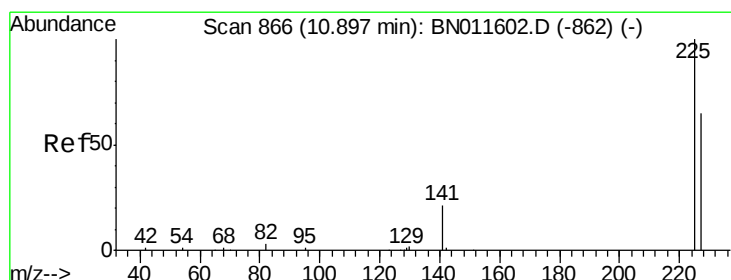
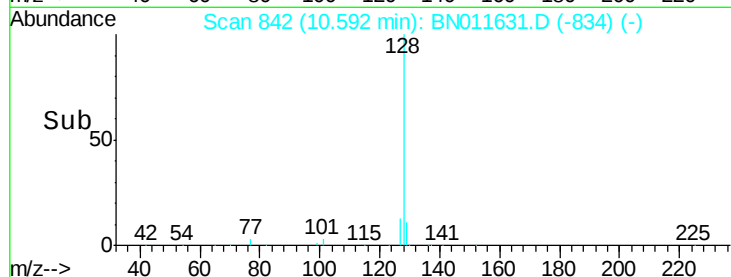
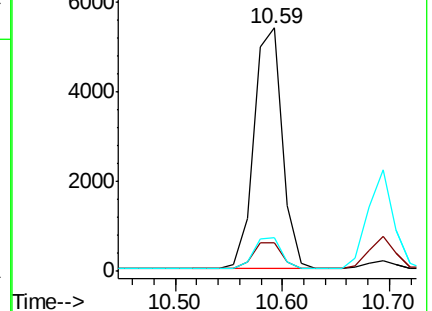
127 13.6 13.5 20.3



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: 0.420 ng

RT: 10.88 min Scan# 865

Delta R.T. -0.01 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

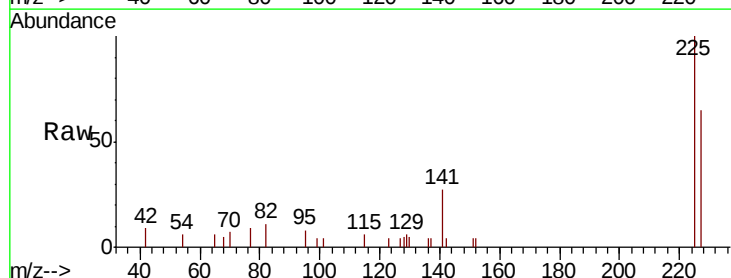
Tgt Ion:225 Resp: 2172

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

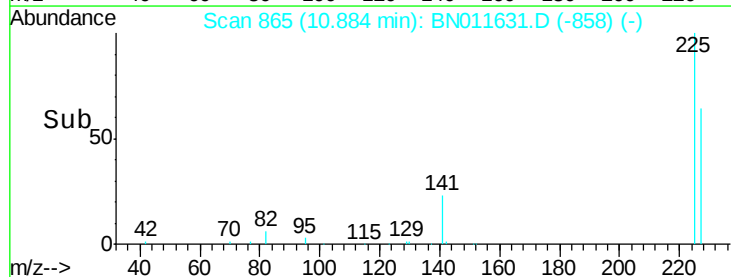
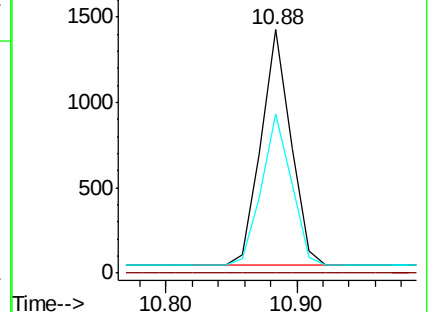
227 64.5 50.2 75.2

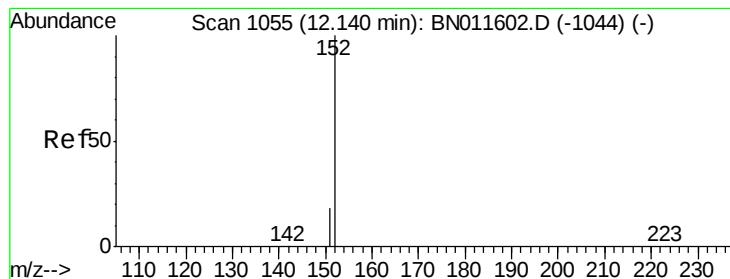


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.388 ng

RT: 12.14 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

Instrument :

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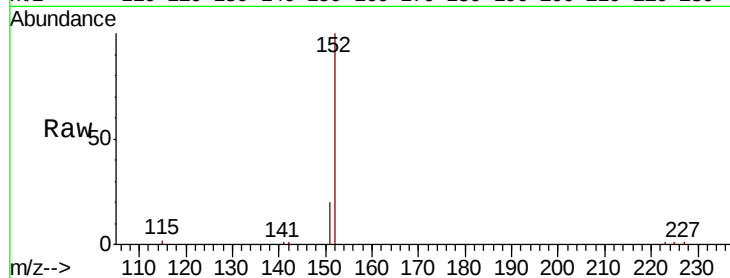
PB131164BS

Tot Ion:152 Resp: 6374

Ion Ratio Lower Upper

152 100

151 20.3 16.4 24.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.14

4000

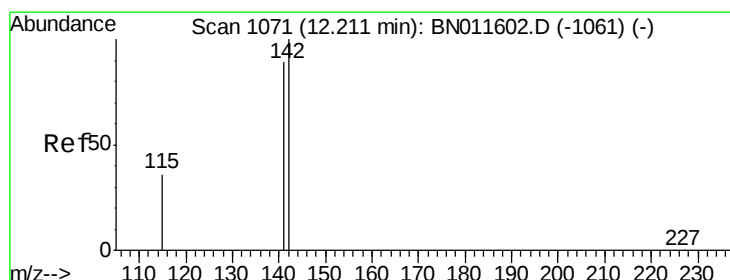
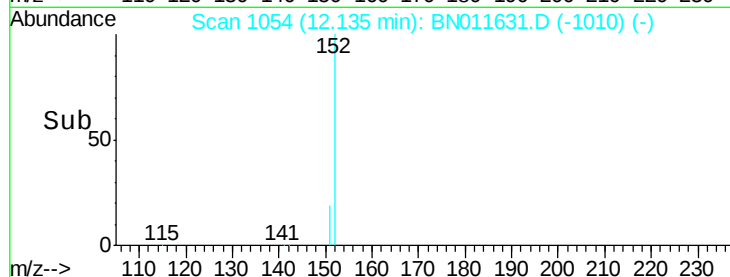
3000

2000

1000

0

Time--> 12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.397 ng

RT: 12.21 min Scan# 1070

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

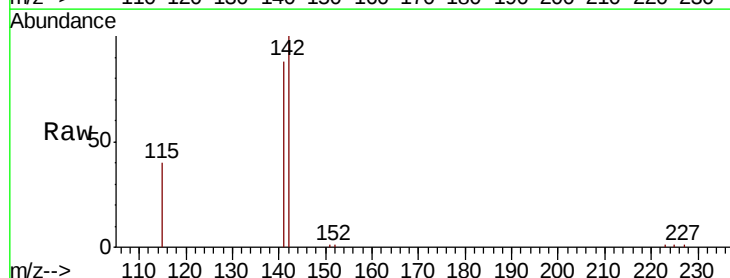
Tgt Ion:142 Resp: 7234

Ion Ratio Lower Upper

142 100

141 88.5 72.7 109.1

115 40.1 32.7 49.1



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

12.21

6000

5000

4000

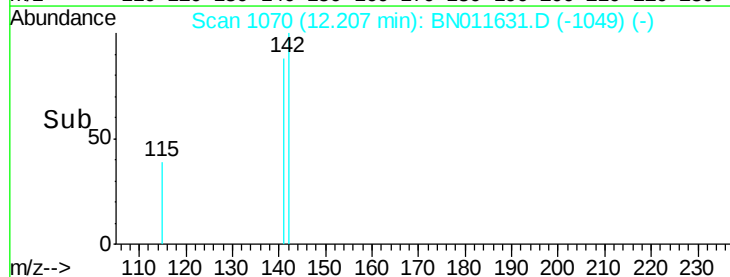
3000

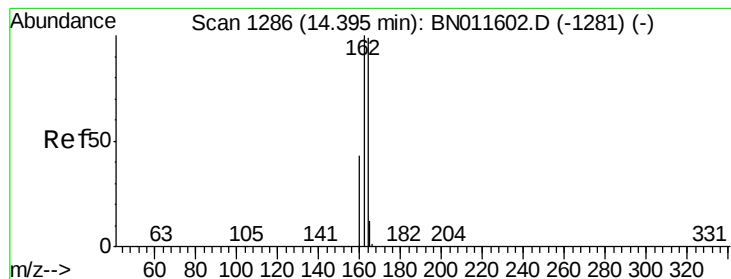
2000

1000

0

Time--> 12.15 12.20 12.25





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.39 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

Instrument :

BNA_N

ClientSampleId :

PB131164BS

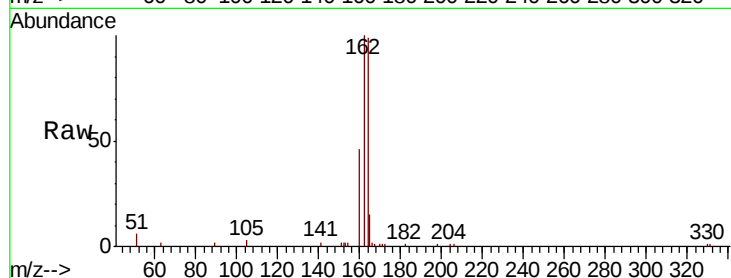
Tot Ion:164 Resp: 5467

Ion Ratio Lower Upper

164 100

162 101.5 80.8 121.2

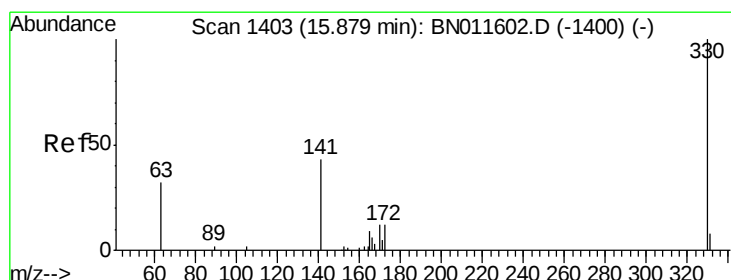
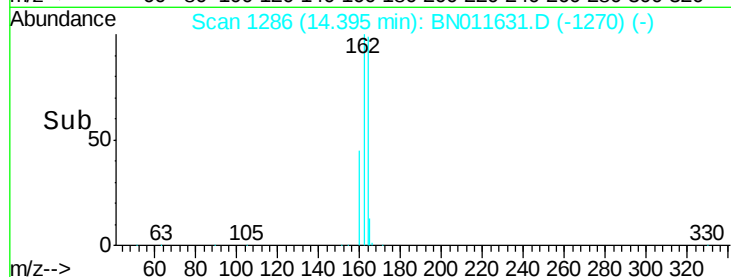
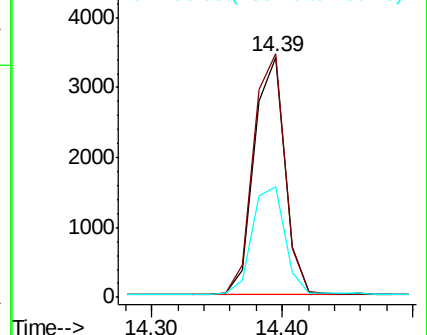
160 46.2 35.6 53.4



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: 0.343 ng

RT: 15.88 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

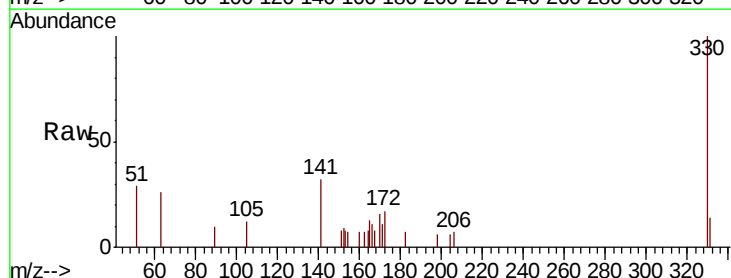
Tgt Ion:330 Resp: 1031

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

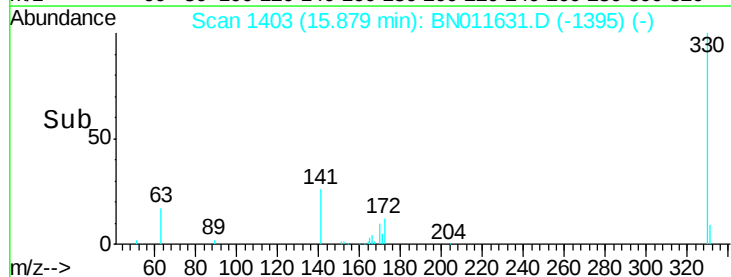
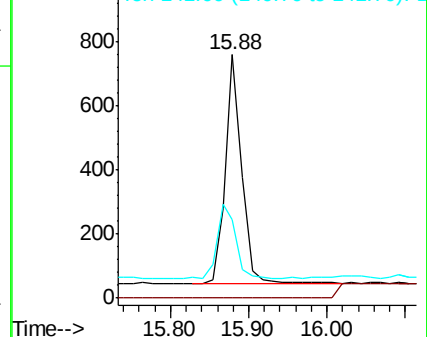
141 37.0 29.4 44.2

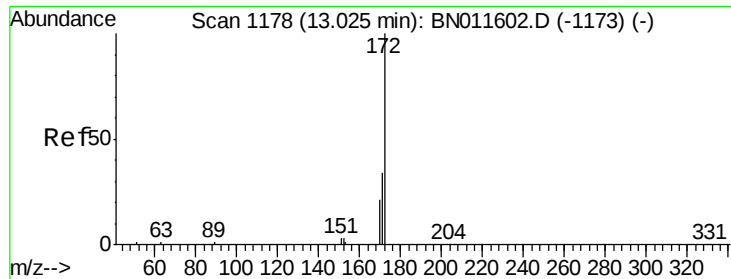


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

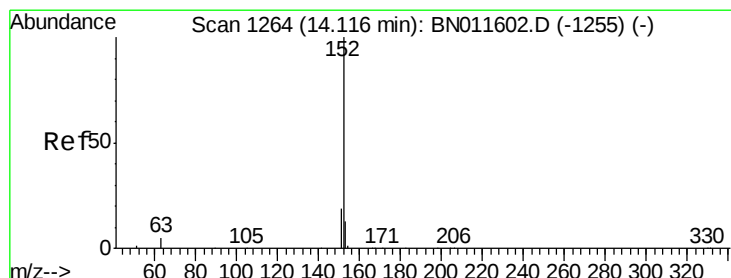
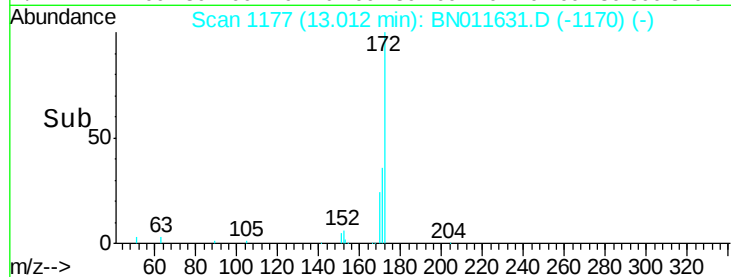
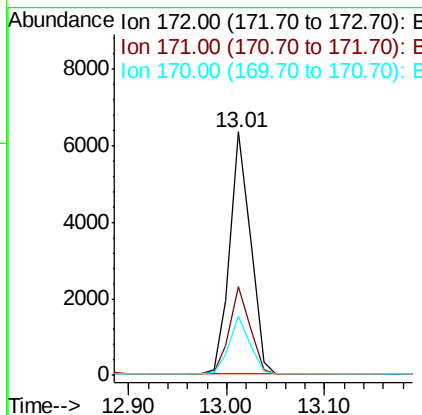
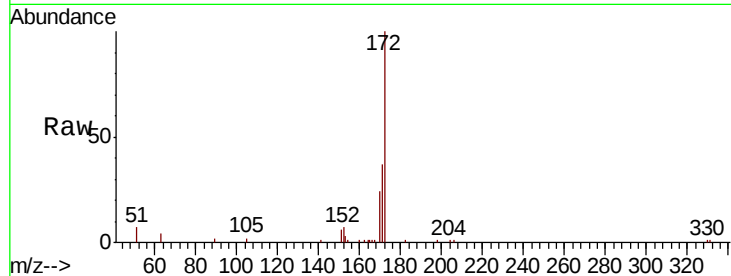




#15
2-Fluorobiphenyl
Concen: 0.431 ng
RT: 13.01 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BN011631.D
Acq: 26 Aug 2020 01:03

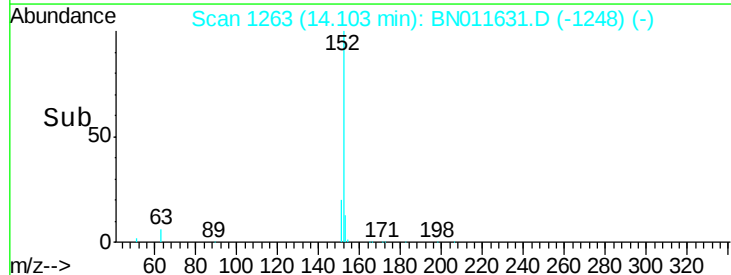
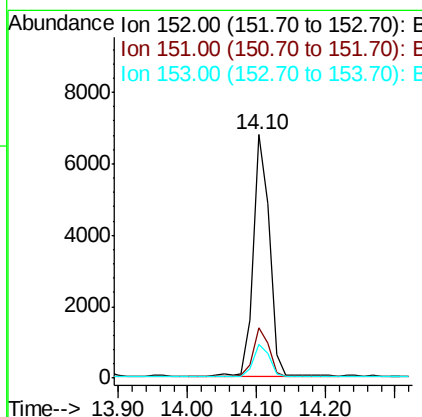
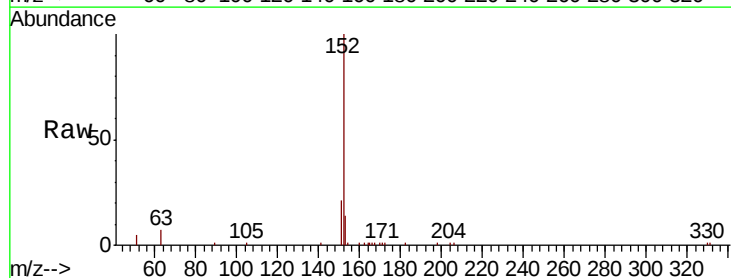
Instrument :
BNA_N
ClientSampleId :
PB131164BS

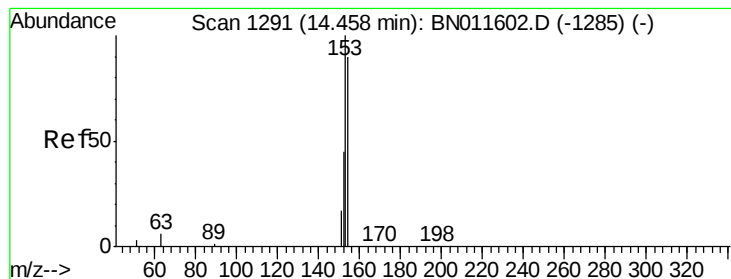
Tot Ion:172 Resp: 9169
Ion Ratio Lower Upper
172 100
171 36.5 28.6 42.8
170 24.4 18.2 27.2



#16
Acenaphthylene
Concen: 0.370 ng
RT: 14.10 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BN011631.D
Acq: 26 Aug 2020 01:03

Tgt Ion:152 Resp: 10667
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.2
153 13.3 11.0 16.4





#17

Acenaphthene

Concen: 0.405 ng

RT: 14.46 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

Instrument :

BNA_N

ClientSampleId :

PB131164BS

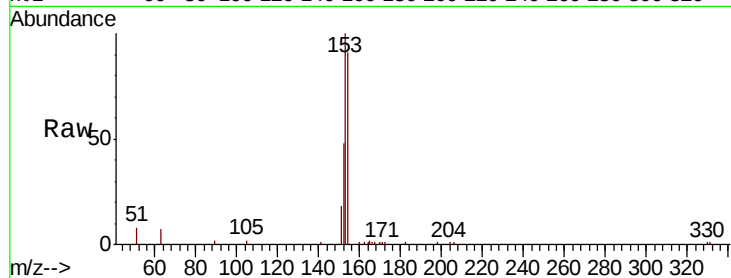
Tot Ion:154 Resp: 7403

Ion Ratio Lower Upper

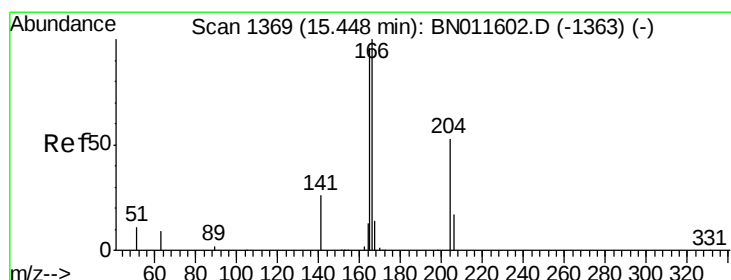
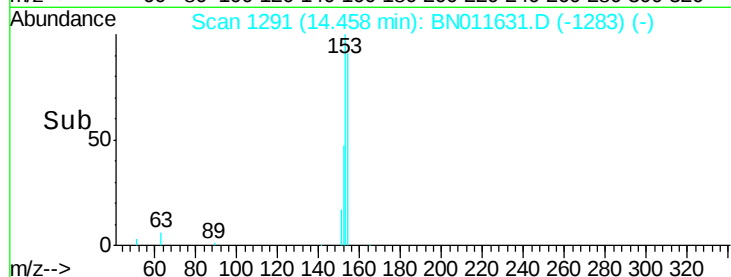
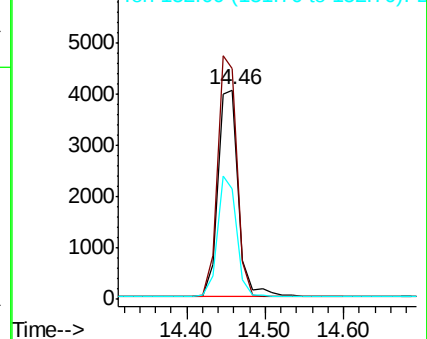
154 100

153 109.8 86.6 130.0

152 53.7 40.1 60.1



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: 0.399 ng

RT: 15.44 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

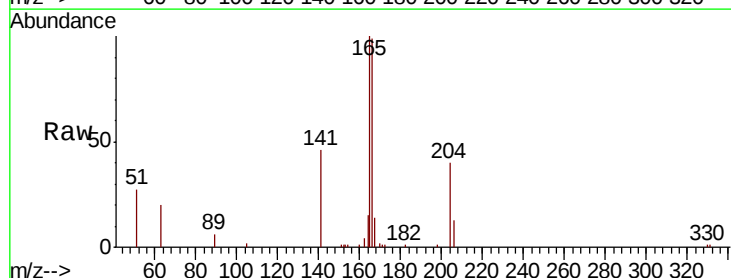
Tgt Ion:166 Resp: 9424

Ion Ratio Lower Upper

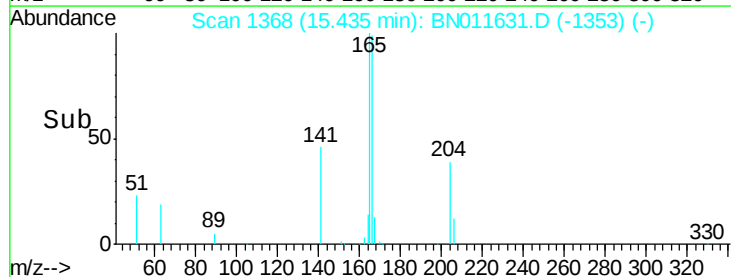
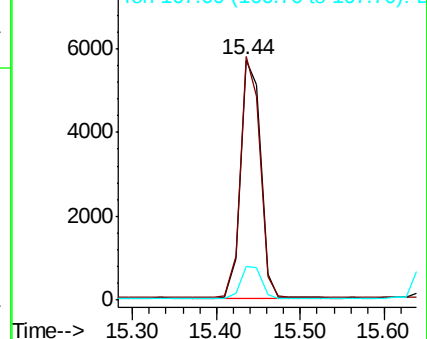
166 100

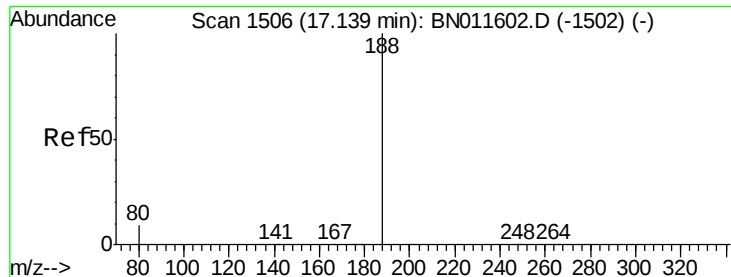
165 97.8 77.4 116.2

167 13.5 11.5 17.3



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: 17.14 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

Instrument :

BNA_N

ClientSampleId :

PB131164BS

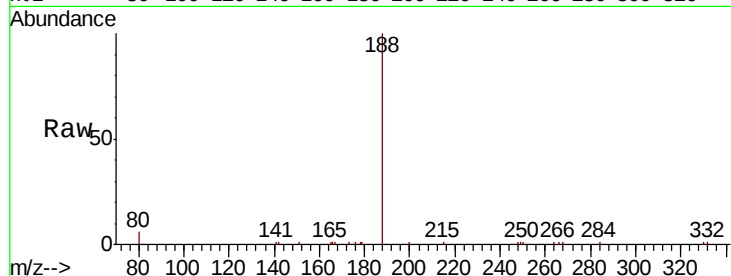
Tot Ion:188 Resp: 12467

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 5.9 9.2 13.8#



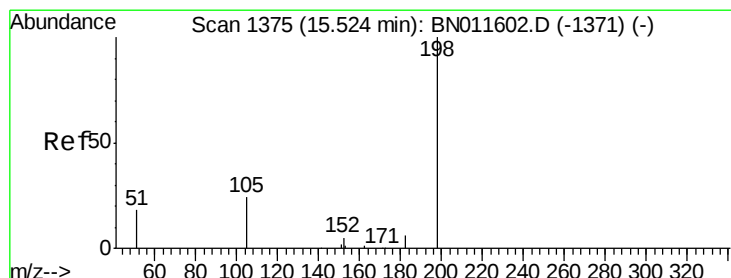
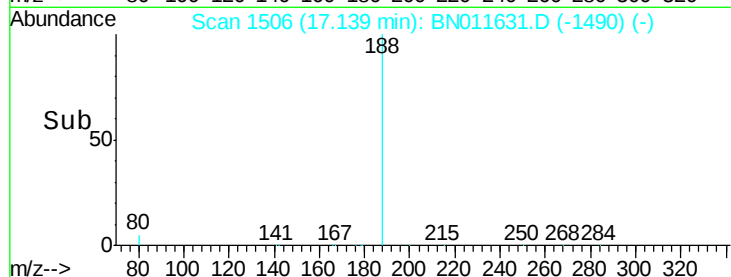
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

17.14

Time-->



#20

4,6-Dinitro-2-methylphenol

Concen: 0.495 ng

RT: 15.51 min Scan# 1374

Delta R.T. -0.01 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

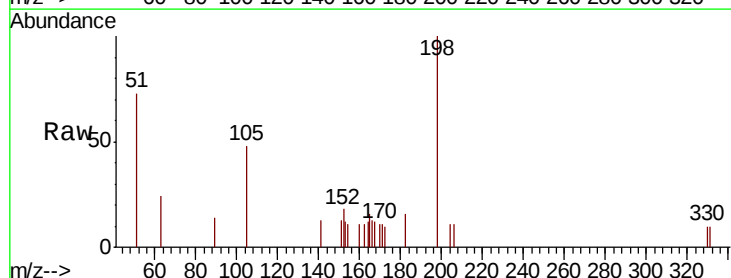
Tgt Ion:198 Resp: 712

Ion Ratio Lower Upper

198 100

51 72.9 99.6 149.4#

105 47.6 118.8 178.2#



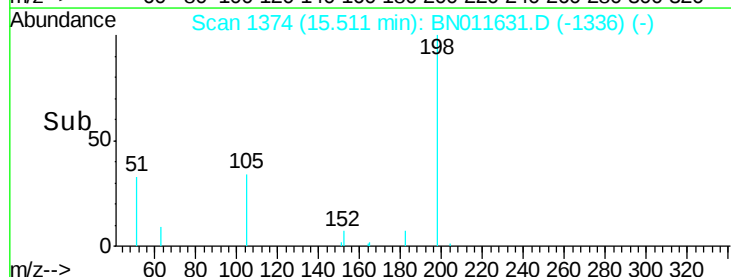
Abundance Ion 198.00 (197.70 to 198.70): E

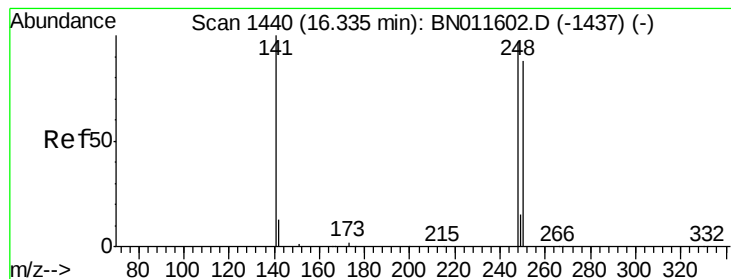
Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E

15.51

Time-->





#21

4-Bromophenyl-phenylether

Concen: 0.404 ng

RT: 16.34 min Scan# 1440

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

Instrument :

BNA_N

ClientSampleId :

PB131164BS

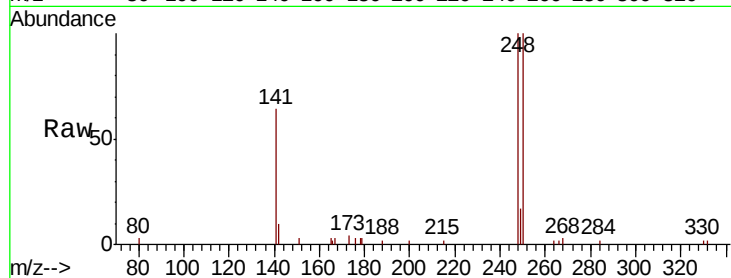
Tot Ion:248 Resp: 2939

Ion Ratio Lower Upper

248 100

250 99.6 73.4 110.2

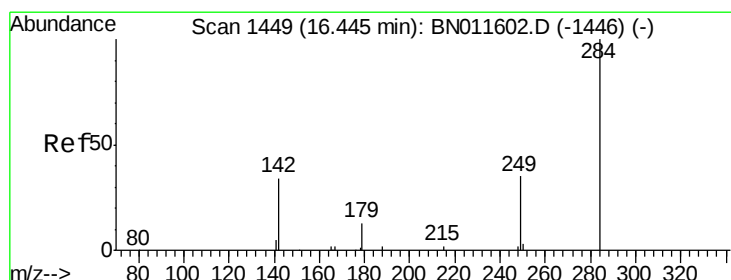
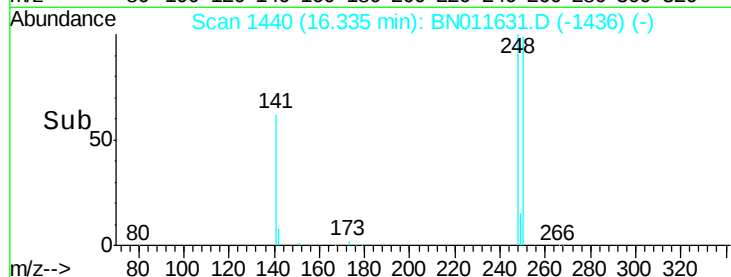
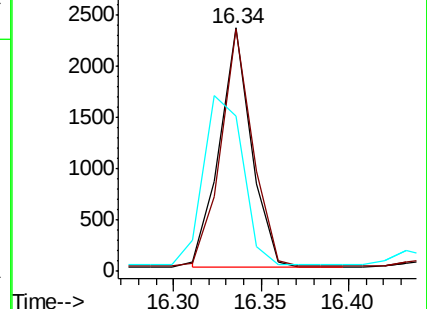
141 63.9 88.5 132.7#



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



#22

Hexachlorobenzene

Concen: 0.425 ng

RT: 16.44 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

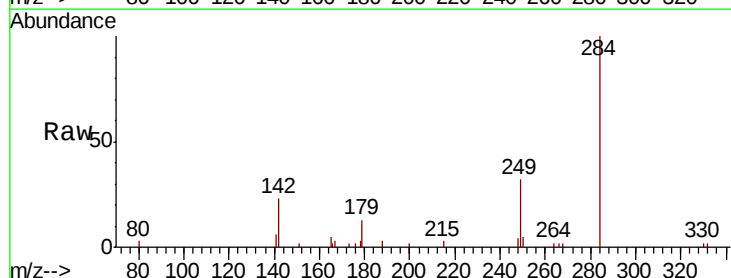
Tgt Ion:284 Resp: 3577

Ion Ratio Lower Upper

284 100

142 35.0 27.3 40.9

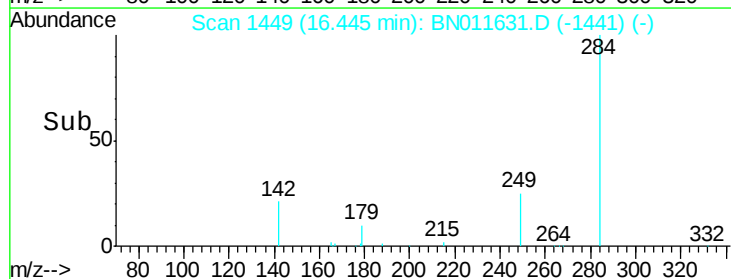
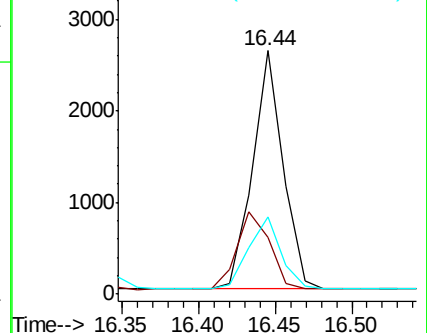
249 31.6 25.2 37.8

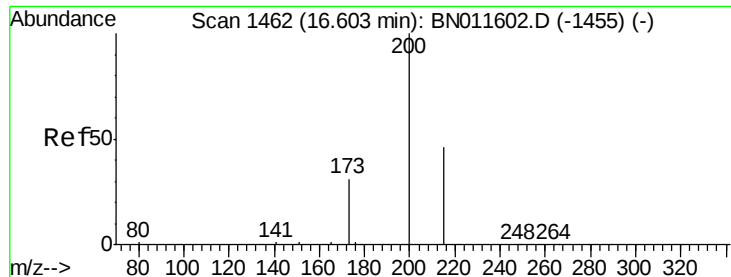


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#23

Atrazine

Concen: 0.259 ng

RT: 16.60 min Scan# 1462

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

Instrument :

BNA_N

ClientSampleId :

PB131164BS

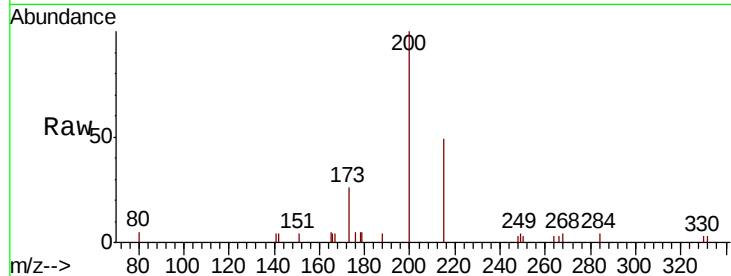
Tot Ion:200 Resp: 1859

Ion Ratio Lower Upper

200 100

173 26.2 28.2 42.4#

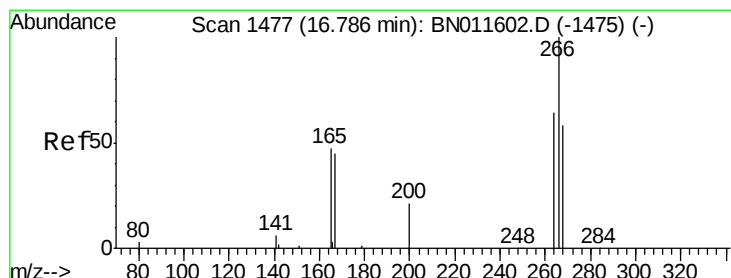
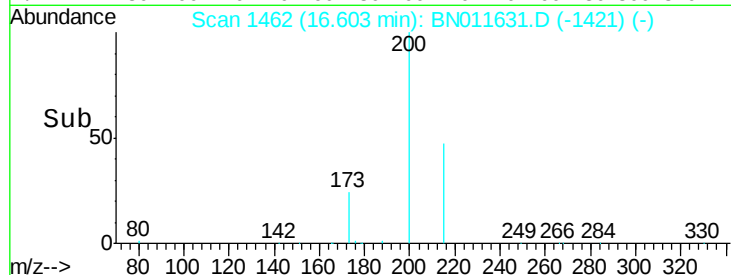
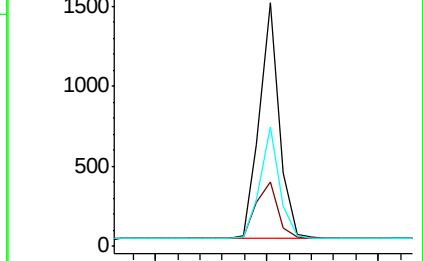
215 49.3 39.8 59.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#24

Pentachlorophenol

Concen: 0.315 ng

RT: 16.79 min Scan# 1477

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

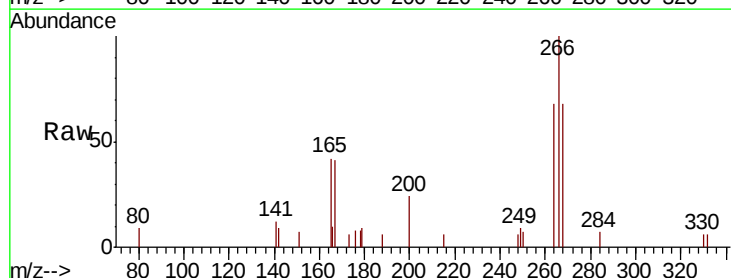
Tgt Ion:266 Resp: 1169

Ion Ratio Lower Upper

266 100

264 65.6 48.1 72.1

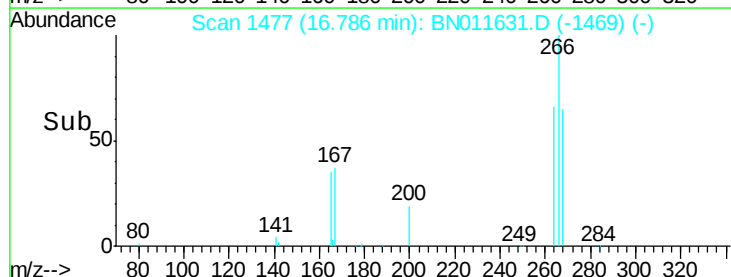
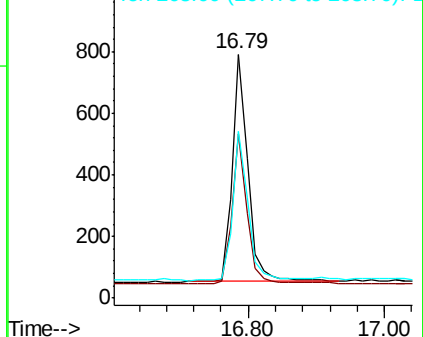
268 64.7 48.4 72.6

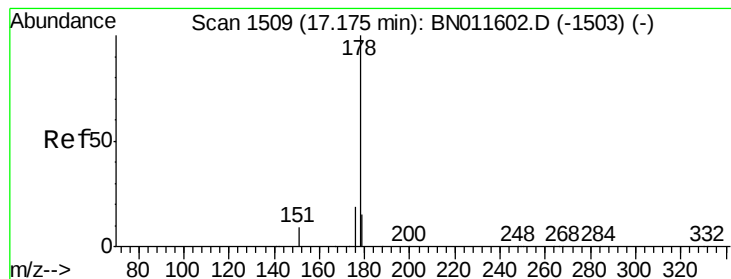


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Phenanthrene

Concen: 0.408 ng

RT: 17.18 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

Instrument :

BNA_N

ClientSampleId :

PB131164BS

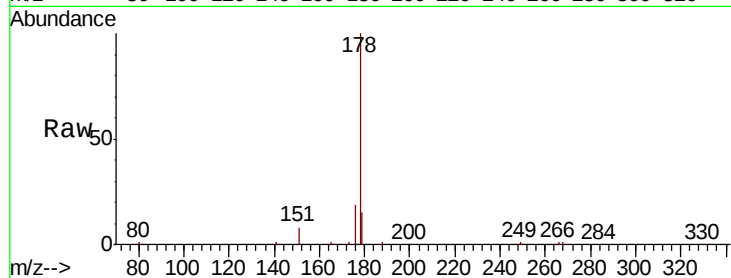
Tot Ion:178 Resp: 15801

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 15.4 12.6 18.8



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

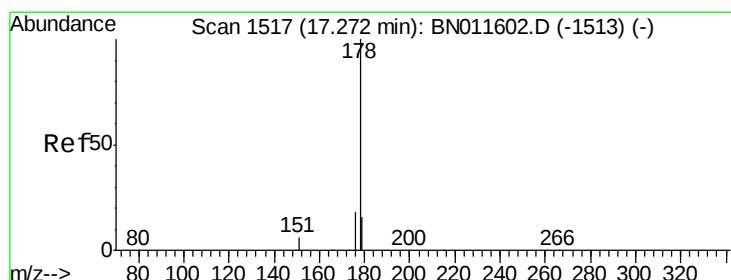
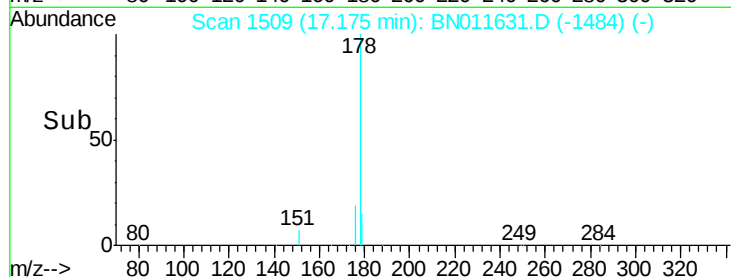
17.18

10000

5000

0

Time-->



#26

Anthracene

Concen: 0.370 ng

RT: 17.27 min Scan# 1517

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

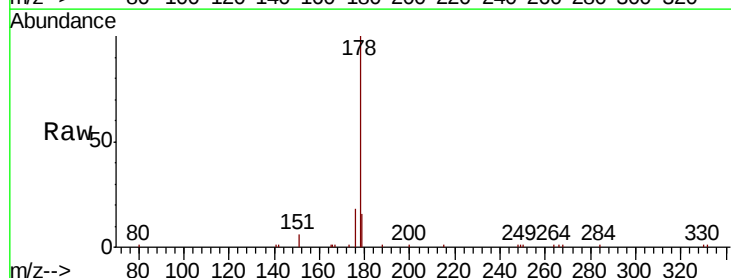
Tgt Ion:178 Resp: 14117

Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

179 15.4 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

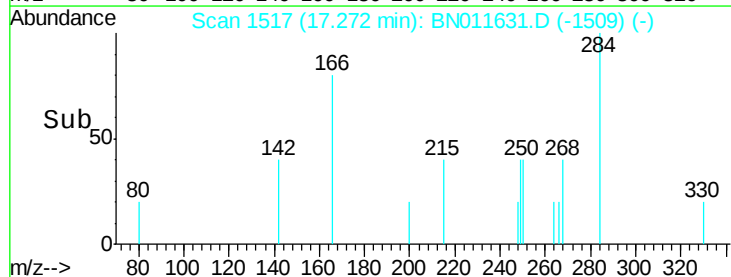
17.27

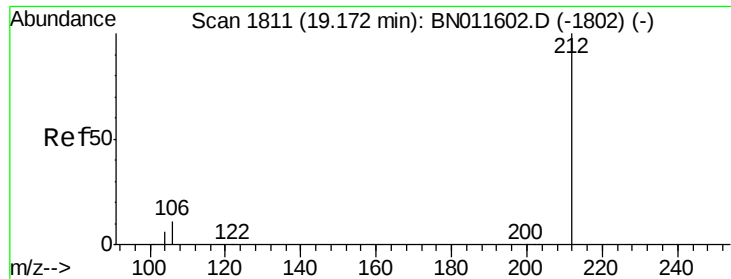
10000

5000

0

Time-->

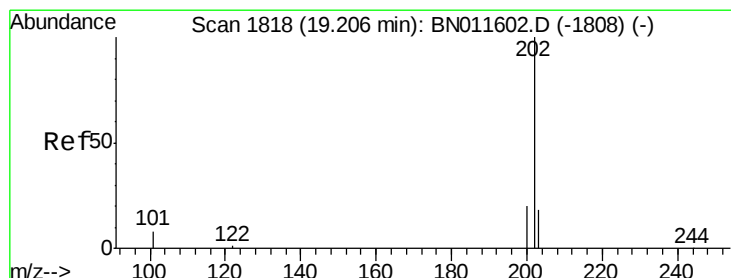
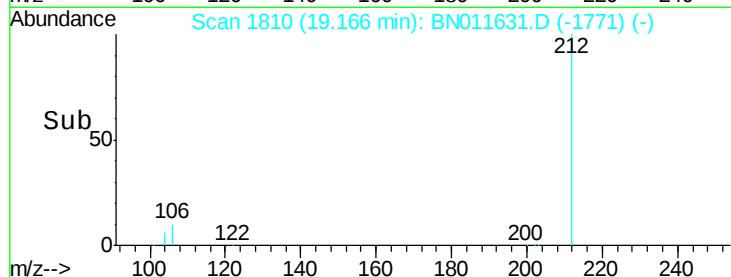
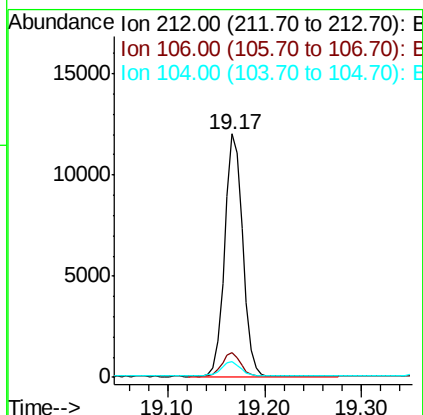
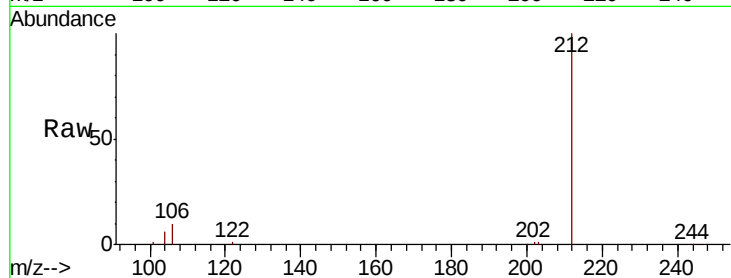




#27
 Fluoranthene-d10
 Concen: 0.379 ng
 RT: 19.17 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: BN011631.D
 Acq: 26 Aug 2020 01:03

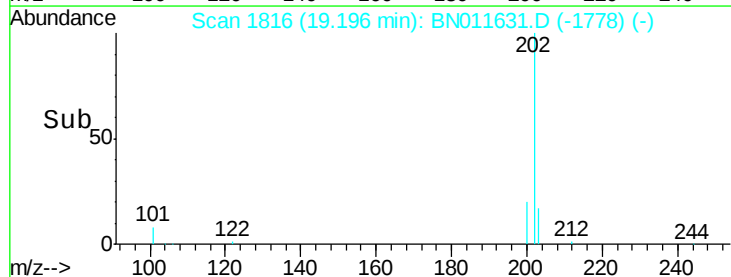
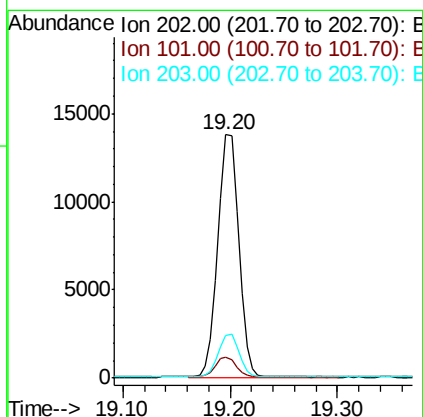
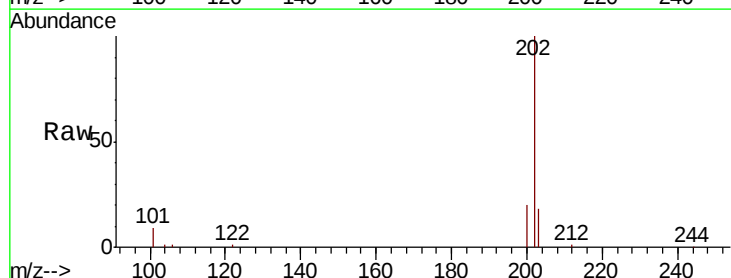
Instrument :
 BNA_N
 ClientSampleId :
 PB131164BS

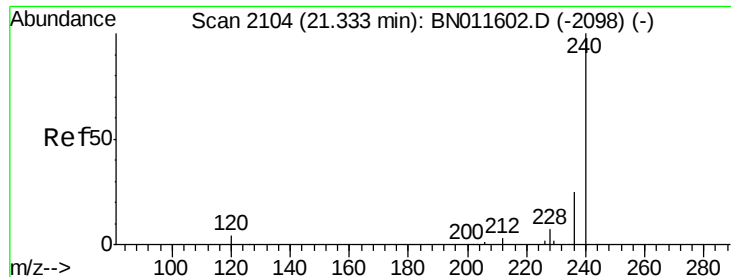
Tot Ion:212 Resp: 15406
 Ion Ratio Lower Upper
 212 100
 106 9.6 8.9 13.3
 104 5.6 5.3 7.9



#28
 Fluoranthene
 Concen: 0.397 ng
 RT: 19.20 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BN011631.D
 Acq: 26 Aug 2020 01:03

Tgt Ion:202 Resp: 18637
 Ion Ratio Lower Upper
 202 100
 101 8.3 7.7 11.5
 203 17.2 13.9 20.9

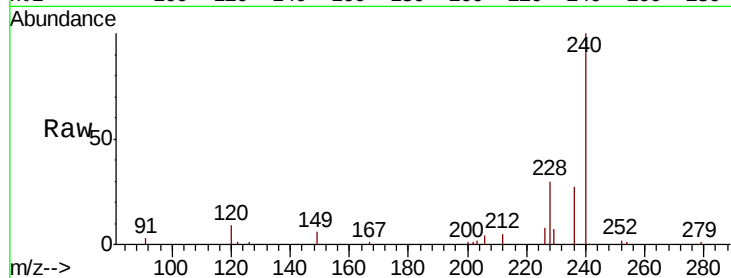




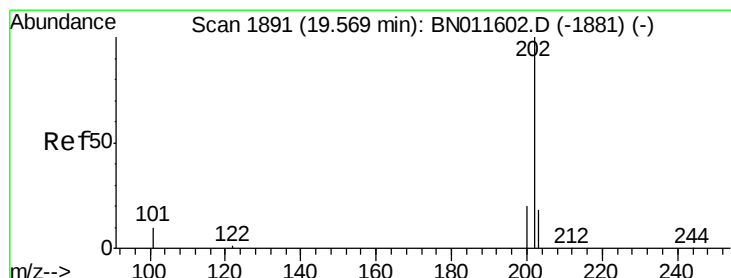
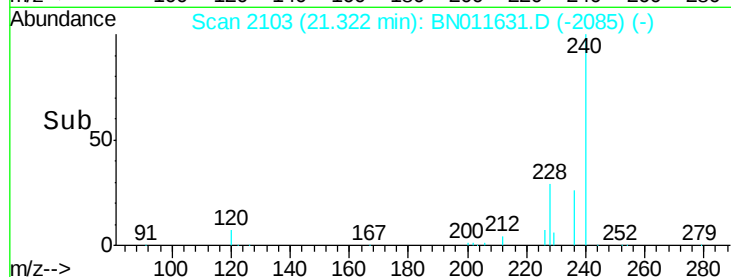
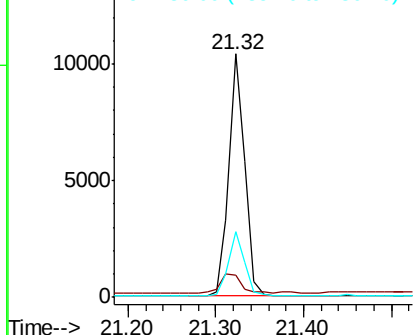
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.32 min Scan# 2103
Delta R.T. -0.01 min
Lab File: BN011631.D
Acq: 26 Aug 2020 01:03

Instrument :
BNA_N
ClientSampleId :
PB131164BS

Tot Ion:240 Resp: 13024
Ion Ratio Lower Upper
240 100
120 9.0 6.0 9.0#
236 27.1 20.8 31.2

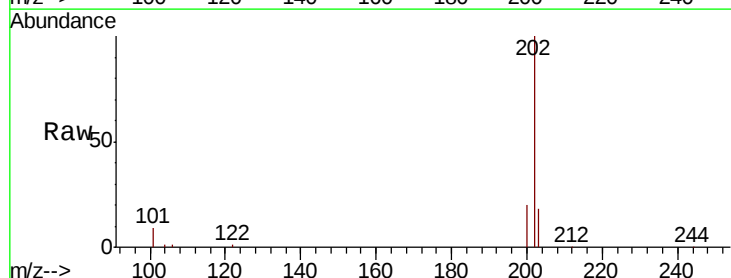


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

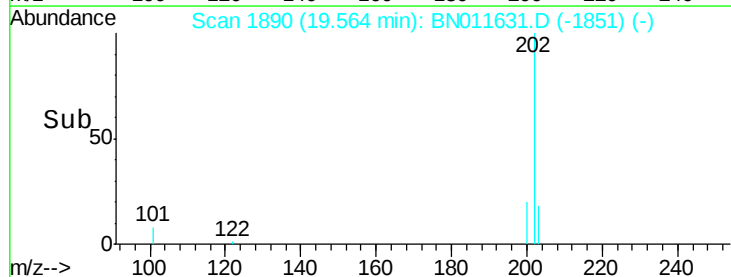
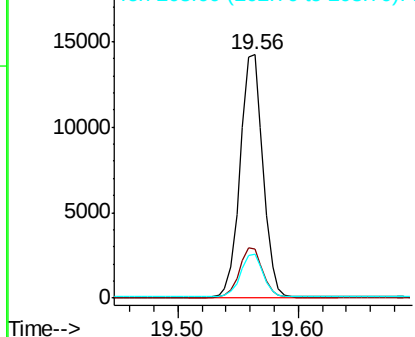


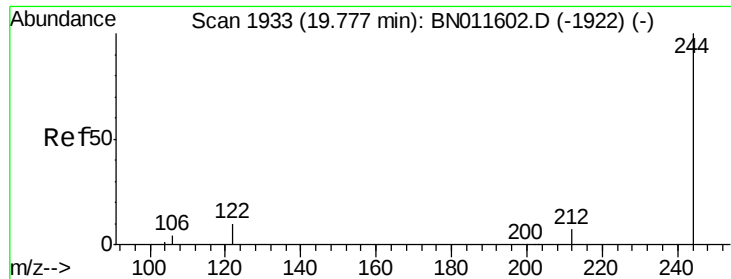
#30
Pyrene
Concen: 0.404 ng
RT: 19.56 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BN011631.D
Acq: 26 Aug 2020 01:03

Tgt Ion:202 Resp: 18678
Ion Ratio Lower Upper
202 100
200 20.4 16.3 24.5
203 17.6 14.2 21.4



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





#31

Terphenyl-d14

Concen: 0.412 ng

RT: 19.77 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

Instrument :

BNA_N

ClientSampleId :

PB131164BS

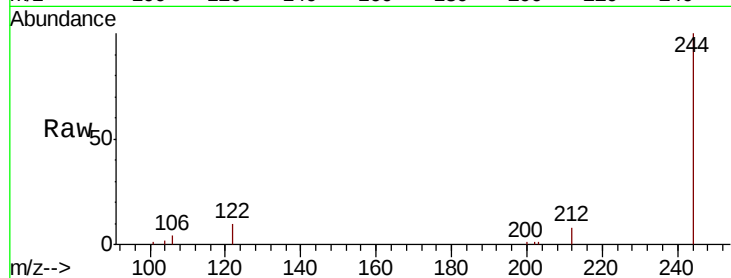
Tot Ion:244 Resp: 13717

Ion Ratio Lower Upper

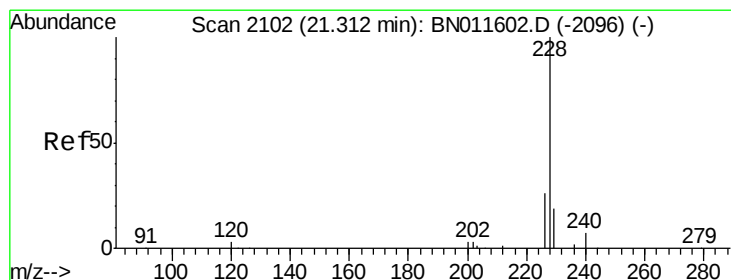
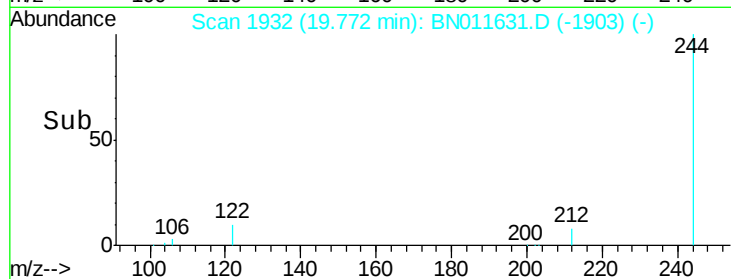
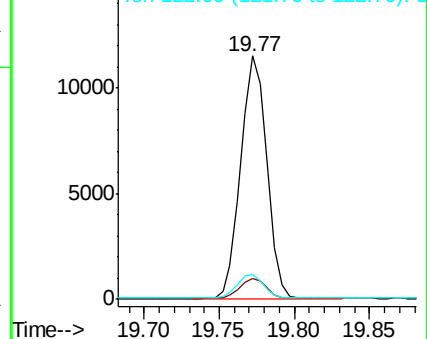
244 100

212 8.4 6.5 9.7

122 10.1 9.5 14.3



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



#32

Benzo(a)anthracene

Concen: 0.385 ng

RT: 21.31 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

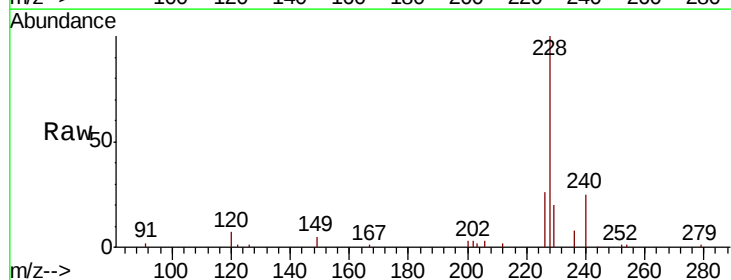
Tgt Ion:228 Resp: 18079

Ion Ratio Lower Upper

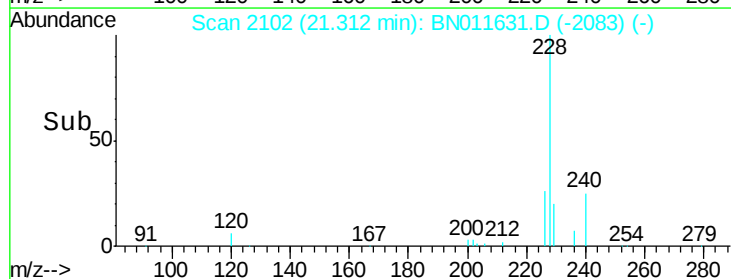
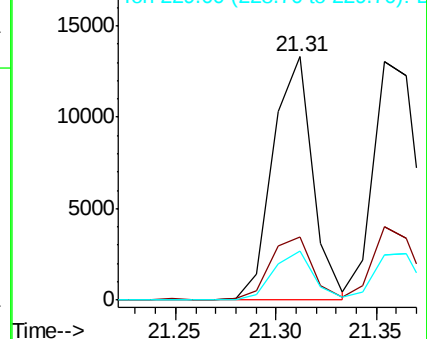
228 100

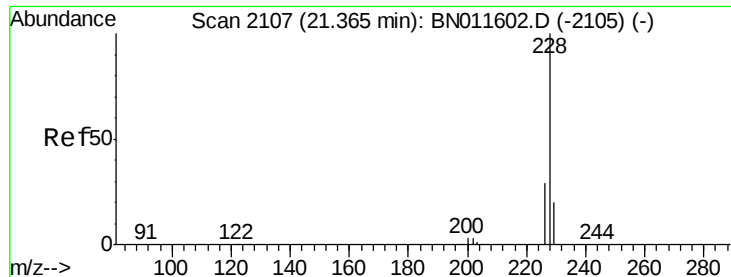
226 25.9 21.2 31.8

229 20.0 15.8 23.8



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





#33

Chrysene

Concen: 0.421 ng

RT: 21.35 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

Instrument :

BNA_N

ClientSampleId :

PB131164BS

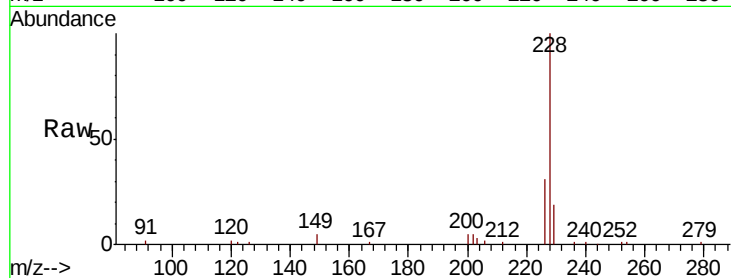
Tot Ion:228 Resp: 18853

Ion Ratio Lower Upper

228 100

226 30.7 23.6 35.4

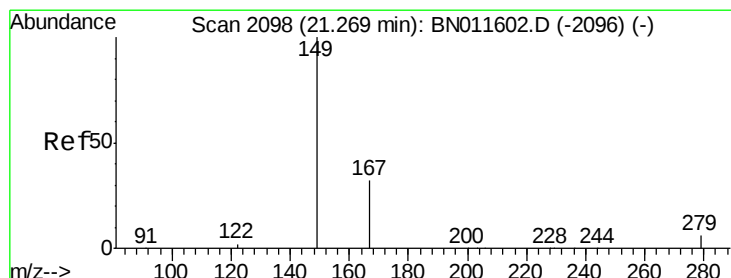
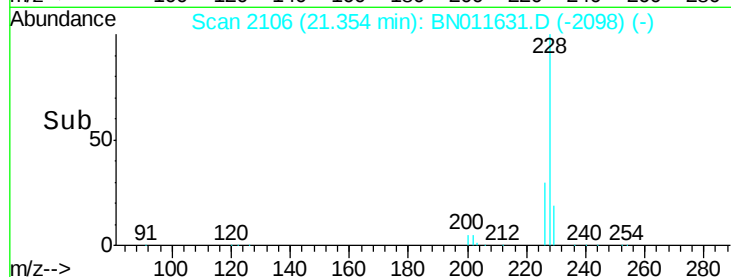
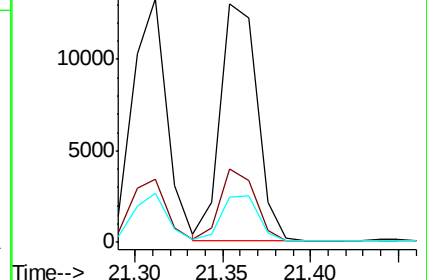
229 19.2 16.0 24.0



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



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.204 ng

RT: 21.26 min Scan# 2097

Delta R.T. -0.01 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

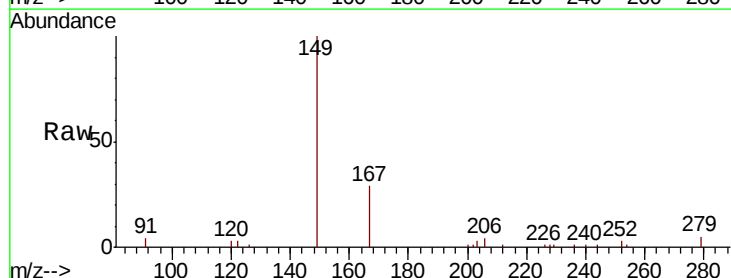
Tgt Ion:149 Resp: 7761

Ion Ratio Lower Upper

149 100

167 28.6 20.6 31.0

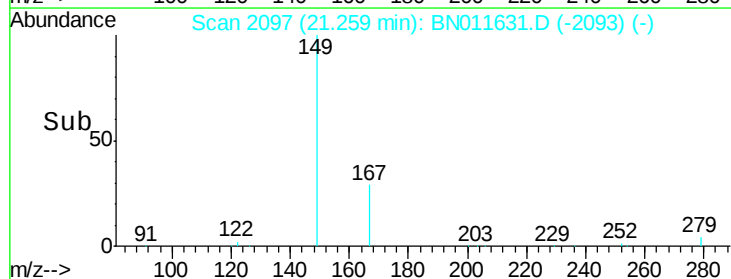
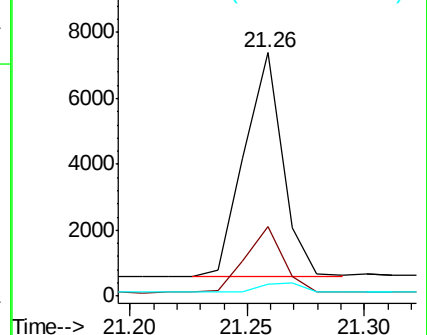
279 4.7 3.8 5.8

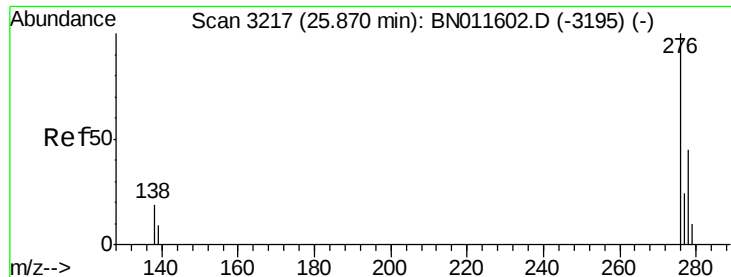


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

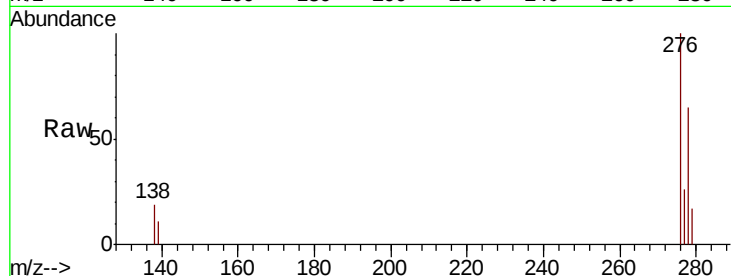




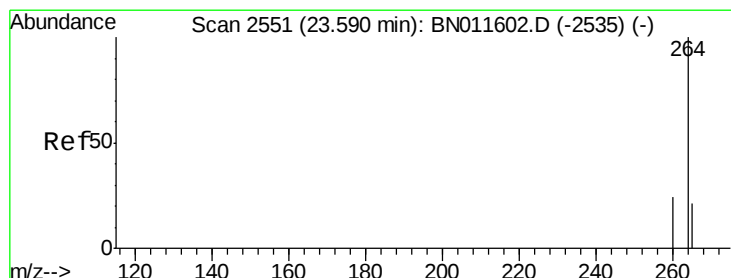
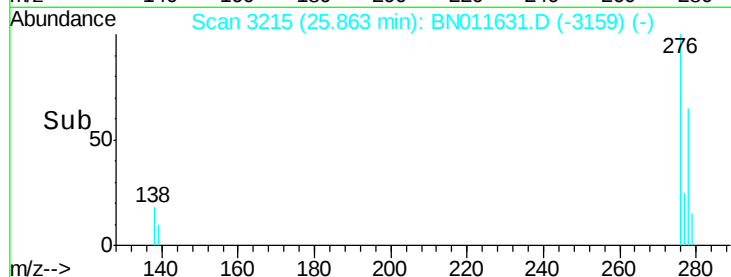
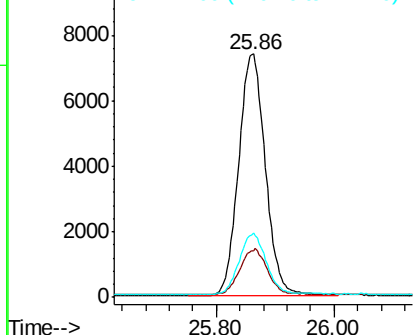
#35
 Indeno(1,2,3-cd)pyrene
 Concen: 0.427 ng
 RT: 25.86 min Scan# 3215
 Delta R.T. -0.01 min
 Lab File: BN011631.D
 Acq: 26 Aug 2020 01:03

Instrument :
 BNA_N
 ClientSampleId :
 PB131164BS

Tot Ion:276 Resp: 23330
 Ion Ratio Lower Upper
 276 100
 138 19.0 0.0 0.0#
 277 25.0 0.0 0.0#

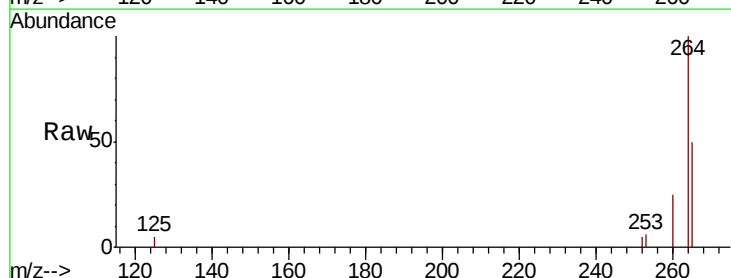


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

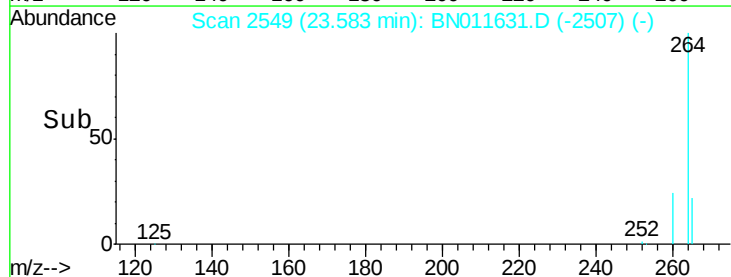
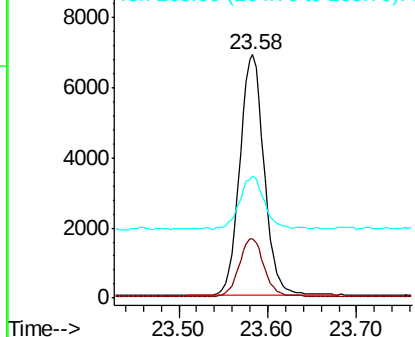


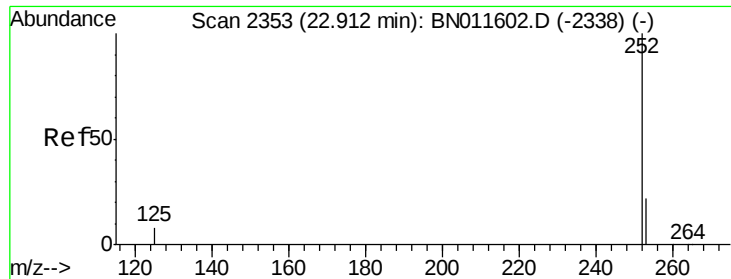
#36
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.58 min Scan# 2549
 Delta R.T. -0.01 min
 Lab File: BN011631.D
 Acq: 26 Aug 2020 01:03

Tgt Ion:264 Resp: 13133
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.6 29.4
 265 50.3 40.7 61.1



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

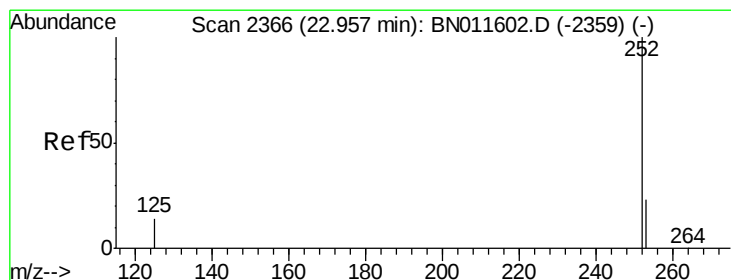
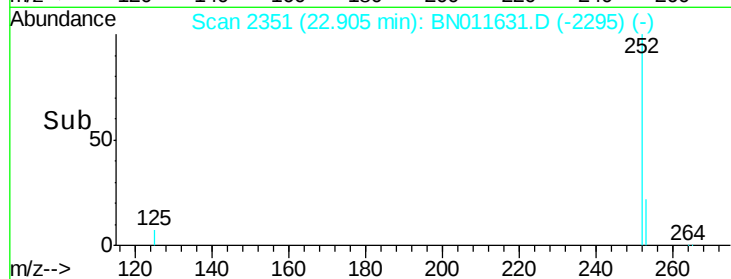
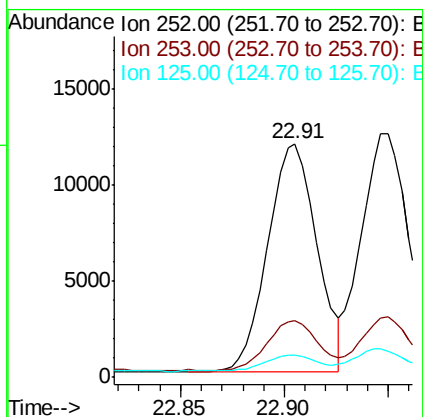
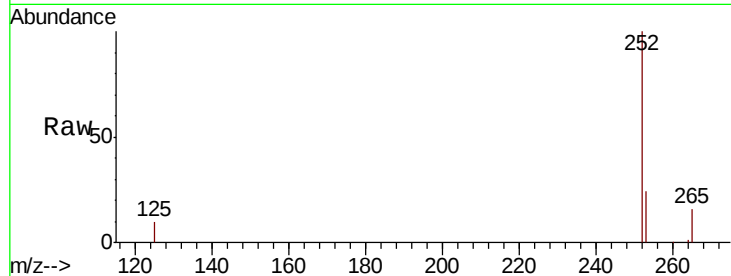




#37
Benzo(b)fluoranthene
Concen: 0.411 ng
RT: 22.91 min Scan# 2351
Delta R.T. -0.01 min
Lab File: BN011631.D
Acq: 26 Aug 2020 01:03

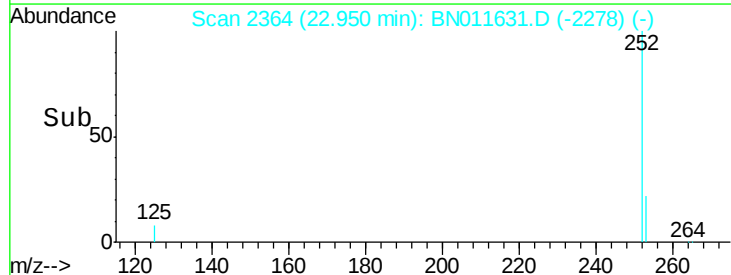
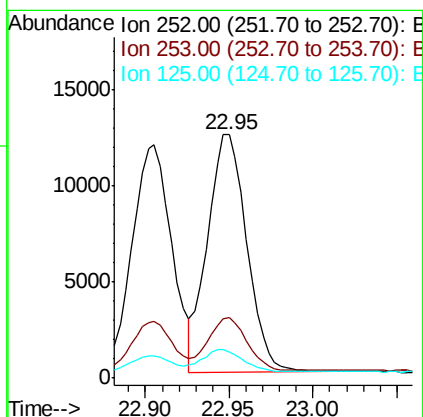
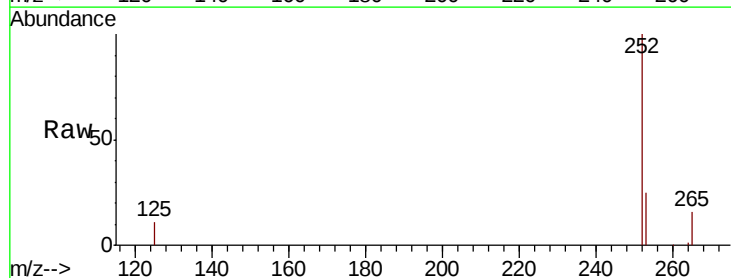
Instrument :
BNA_N
ClientSampleId :
PB131164BS

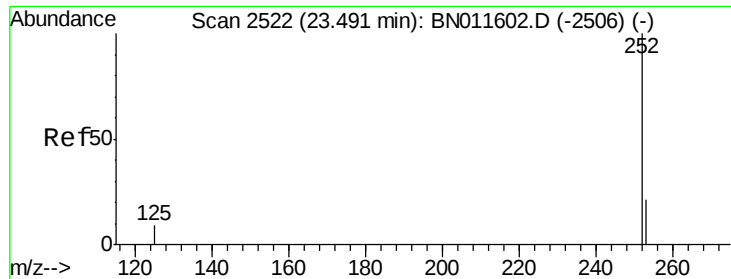
Tot Ion:252 Resp: 19547
Ion Ratio Lower Upper
252 100
253 24.5 21.0 31.6
125 9.6 11.0 16.6#



#38
Benzo(k)fluoranthene
Concen: 0.423 ng
RT: 22.95 min Scan# 2364
Delta R.T. -0.01 min
Lab File: BN011631.D
Acq: 26 Aug 2020 01:03

Tgt Ion:252 Resp: 20016
Ion Ratio Lower Upper
252 100
253 24.8 21.2 31.8
125 10.9 14.6 21.8#





#39

Benzo(a)pyrene

Concen: 0.390 ng

RT: 23.48 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

Instrument :

BNA_N

ClientSampleId :

PB131164BS

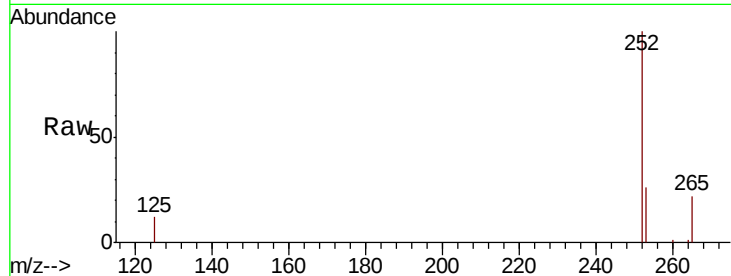
Tot Ion:252 Resp: 17284

Ion Ratio Lower Upper

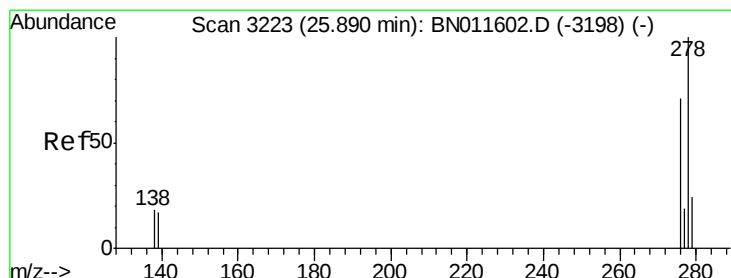
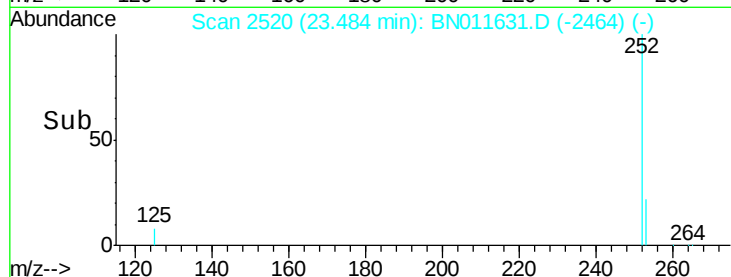
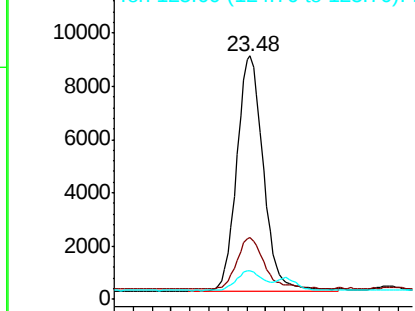
252 100

253 25.6 21.2 31.8

125 11.7 12.1 18.1#



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



#40

Dibenzo(a,h)anthracene

Concen: 0.418 ng

RT: 25.88 min Scan# 3219

Delta R.T. -0.01 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

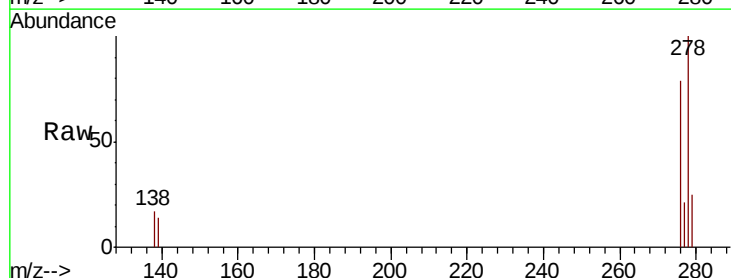
Tgt Ion:278 Resp: 19391

Ion Ratio Lower Upper

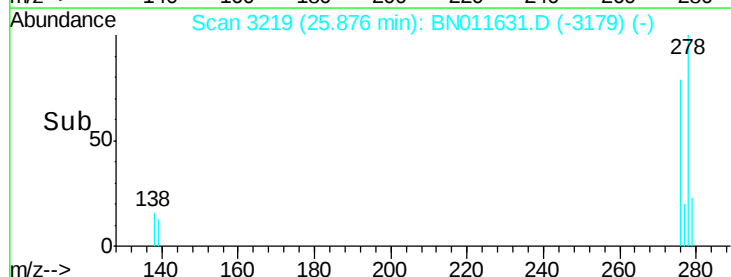
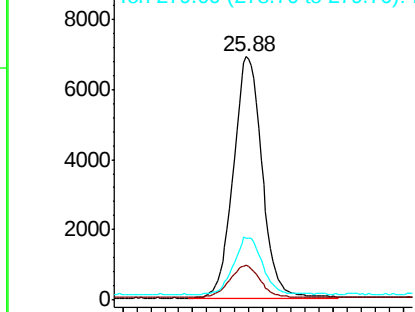
278 100

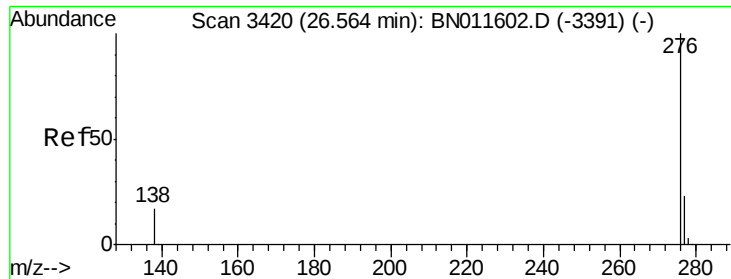
139 14.4 16.6 25.0#

279 25.5 21.4 32.2



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





#41

Benzo(a,h,i)perylene

Concen: 0.415 ng

RT: 26.55 min Scan# 3416

Delta R.T. -0.01 min

Lab File: BN011631.D

Acq: 26 Aug 2020 01:03

Instrument :

BNA_N

ClientSampleId :

PB131164BS

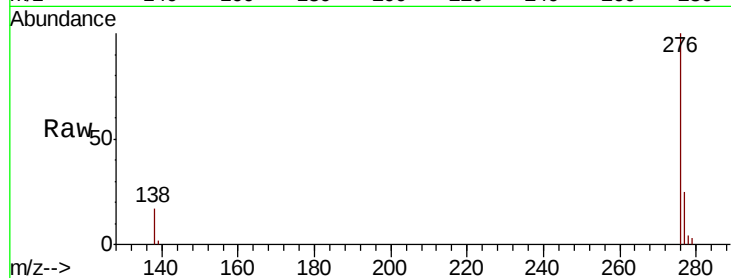
Tot Ion: 276 Resp: 18658

Ion Ratio Lower Upper

276 100

277 25.0 20.5 30.7

138 17.4 17.8 26.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

