

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
 Data File : BN007302.D
 Acq On : 21 Aug 2019 22:22
 Operator : HP/JU
 Sample : K4441-10MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 22 05:01:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 20 18:52:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	5058	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	18684	0.40	ng	0.00
13) Acenaphthene-d10	14.05	164	10935	0.40	ng	0.00
19) Phenanthrene-d10	16.81	188	24847	0.40	ng	0.00
27) Chrysene-d12	21.04	240	38521	0.40	ng	0.01
34) Perylene-d12	23.15	264	44234	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	4398	0.29	ng	0.00
5) Phenol-d6	6.61	99	5640	0.31	ng	0.00
8) Nitrobenzene-d5	8.54	82	4207	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	11.77	152	8965	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.56	330	2054	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.67	172	11630	0.25	ng	0.00
25) Fluoranthene-d10	18.86	212	23078	0.29	ng	0.00
29) Terphenyl-d14	19.47	244	21874	0.23	ng	0.00

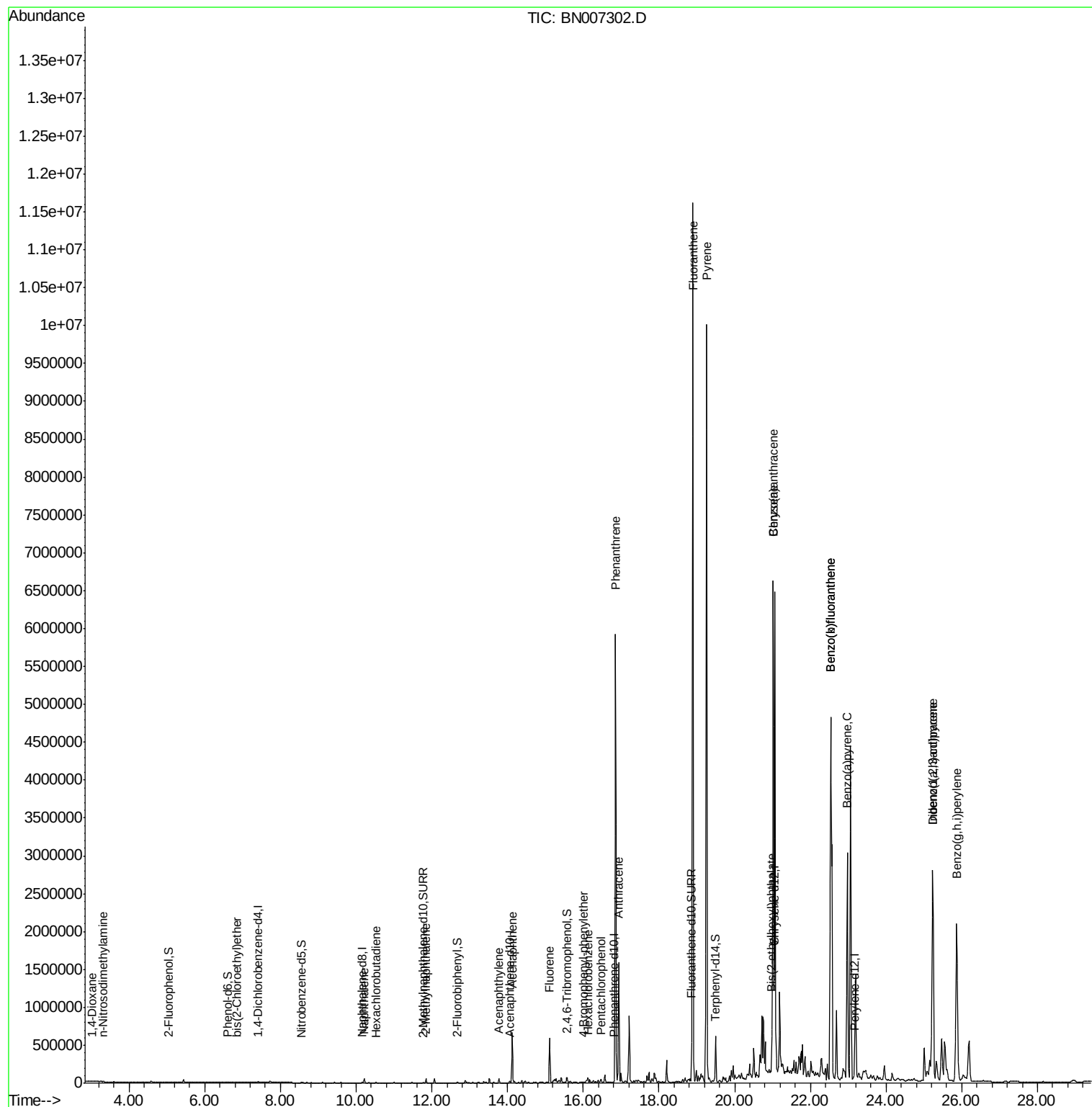
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.02	88	1879	0.262	ng	# 57
3) n-Nitrosodimethylamine	3.32	42	1434	0.298	ng	# 72
6) bis(2-Chloroethyl)ether	6.85	93	5977	0.400	ng	95
9) Naphthalene	10.22	128	68415	1.292	ng	100
10) Hexachlorobutadiene	10.52	225	4374	0.374	ng	# 99
12) 2-Methylnaphthalene	11.85	142	43536	1.187	ng	100
16) Acenaphthylene	13.77	152	72269	1.246	ng	97
17) Acenaphthene	14.12	154	322225	8.720	ng	100
18) Fluorene	15.11	166	383363	7.940	ng	99
20) 4-Bromophenyl-phenylether	16.01	248	4711	0.331	ng	# 90
21) Hexachlorobenzene	16.13	284	6036	0.367	ng	99
22) Pentachlorophenol	16.47	266	7069	1.069	ng	96
23) Phenanthrene	16.85	178	6071111	77.958	ng	99
24) Anthracene	16.94	178	1603476	22.867	ng	# 94
26) Fluoranthene	18.90	202	11284835	119.632	ng	96
28) Pyrene	19.26	202	10224071	70.977	ng	# 90
30) Benzo(a)anthracene	21.02	228	6041318	42.177	ng	96
31) Chrysene	21.02	228	5459875	37.352	ng	96
32) Bis(2-ethylhexyl)phthalate	20.99	149	77852	1.360	ng	# 88
33) Indeno(1,2,3-cd)pyrene	25.24	276	4315314	24.534	ng	# 95
35) Benzo(b)fluoranthene	22.54	252	7943132	48.168	ng	98
36) Benzo(k)fluoranthene	22.54	252	7943132	49.167	ng	97
37) Benzo(a)pyrene	22.97	252	4176670	28.103	ng	99
38) Dibenzo(a,h)anthracene	25.24	278	1145243	7.335	ng	98
39) Benzo(g,h,i)perylene	25.87	276	4320904	27.379	ng	98

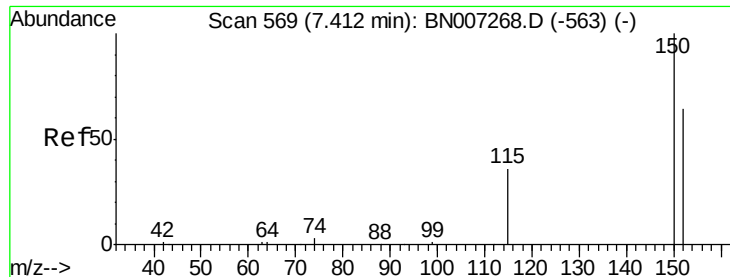
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.41 min Scan# 569

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

Instrument :

BNA_N

ClientSampleId :

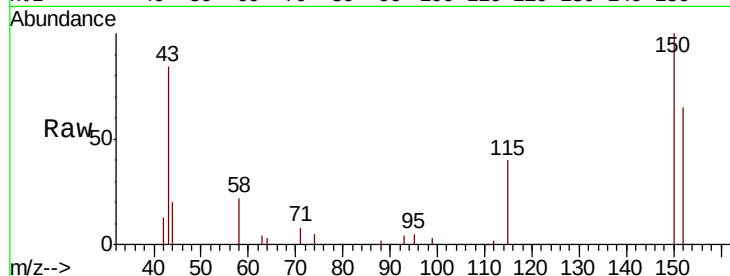
Tot Ion:152 Resp: 5058

Ion Ratio Lower Upper

152 100

150 154.0 123.8 185.8

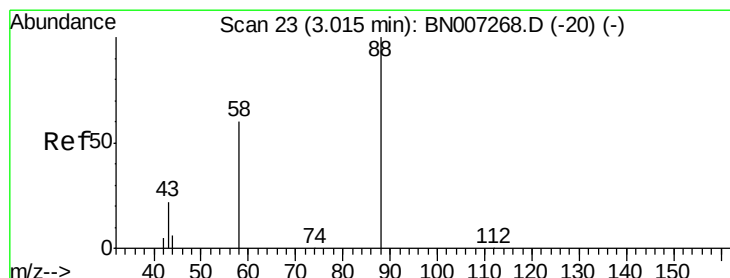
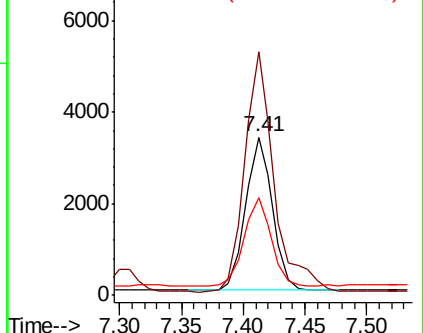
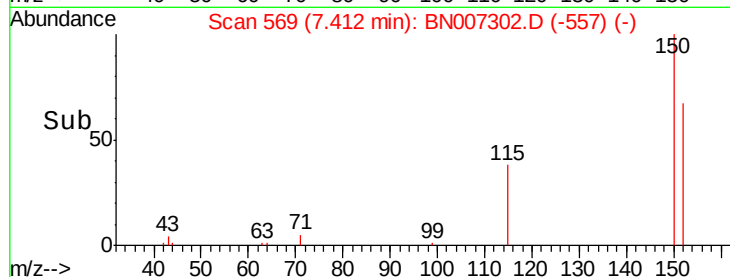
115 61.6 47.3 70.9



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: 0.262 ng

RT: 3.02 min Scan# 23

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

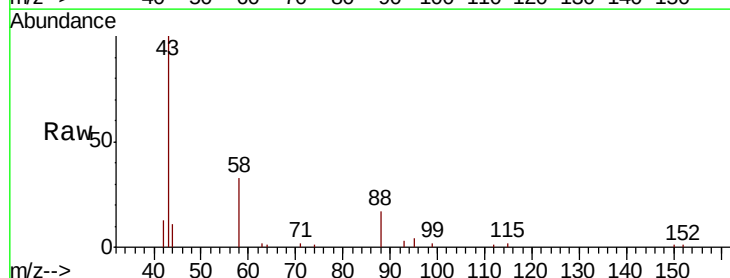
Tgt Ion: 88 Resp: 1879

Ion Ratio Lower Upper

88 100

58 85.7 45.5 68.3#

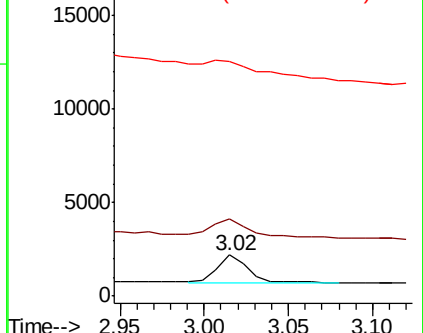
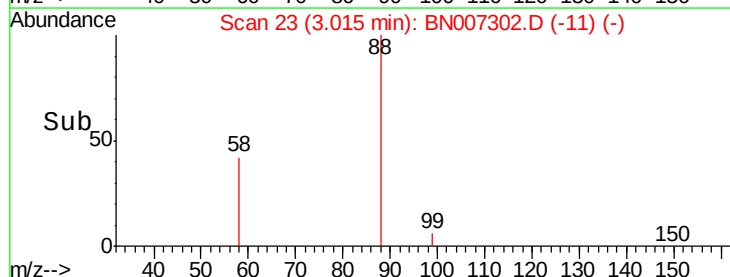
43 0.0 20.4 30.6#

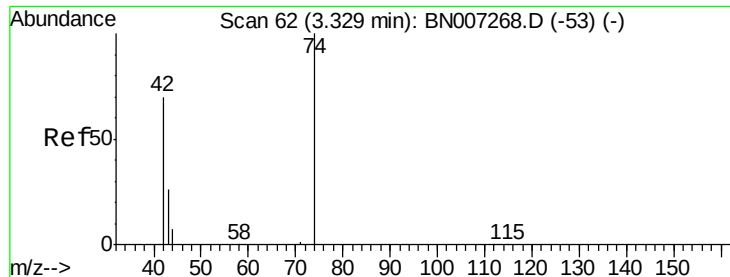


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC



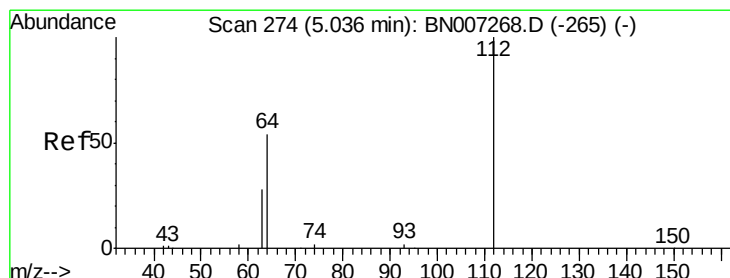
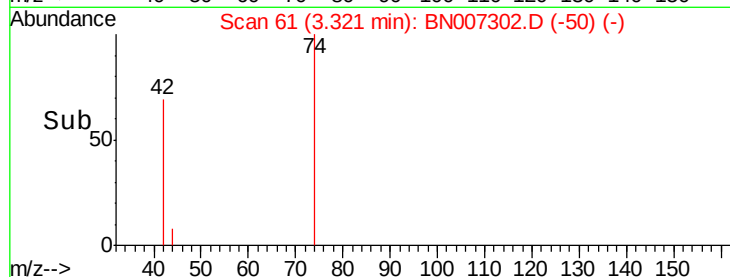
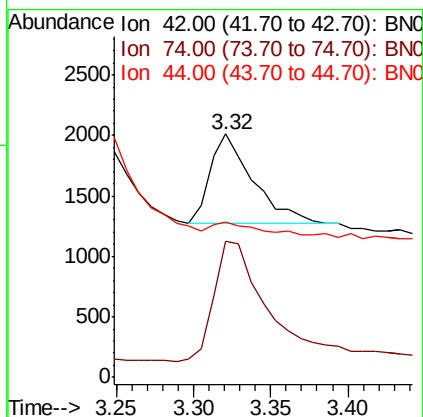
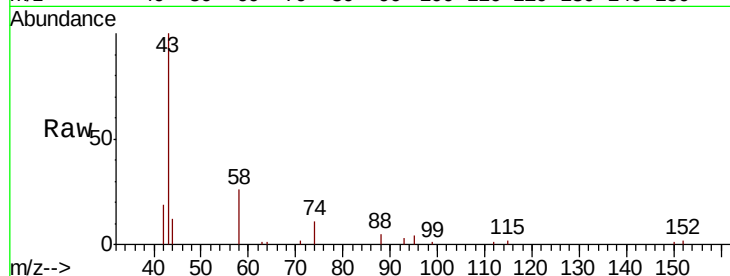


#3

n-Nitrosodimethylamine
 Concen: 0.298 ng
 RT: 3.32 min Scan# 61
 Delta R.T. -0.01 min
 Lab File: BN007302.D
 Acq: 21 Aug 2019 22:22

Instrument :
 BNA_N
 ClientSampled :

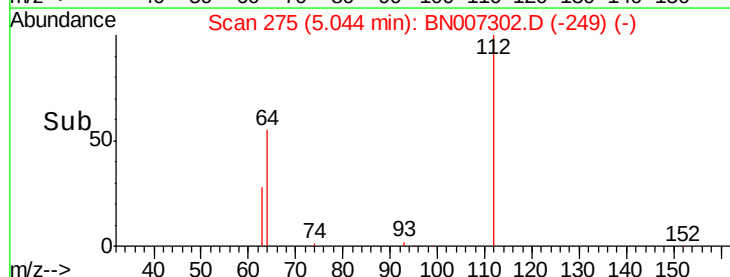
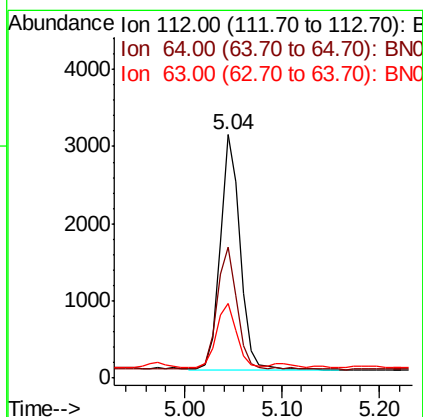
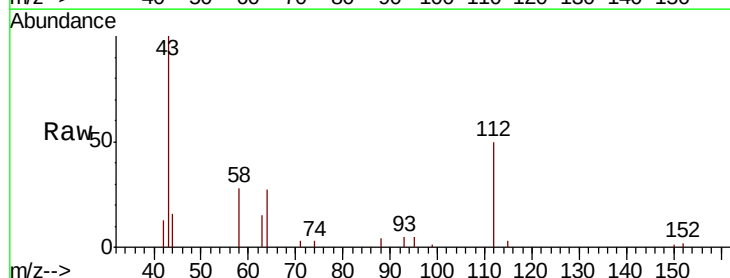
Tot Ion: 42 Resp: 1434
 Ion Ratio Lower Upper
 42 100
 74 168.4 109.0 163.4#
 44 22.2 4.2 6.2#

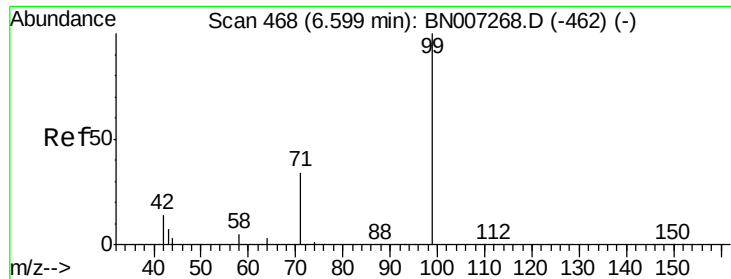


#4

2-Fluorophenol
 Concen: 0.285 ng
 RT: 5.04 min Scan# 275
 Delta R.T. 0.01 min
 Lab File: BN007302.D
 Acq: 21 Aug 2019 22:22

Tgt Ion: 112 Resp: 4398
 Ion Ratio Lower Upper
 112 100
 64 51.2 41.8 62.8
 63 27.5 22.6 34.0





#5

Phenol-d6

Concen: 0.315 ng

RT: 6.61 min Scan# 469

Delta R.T. 0.01 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

Instrument :

BNA_N

ClientSampled :

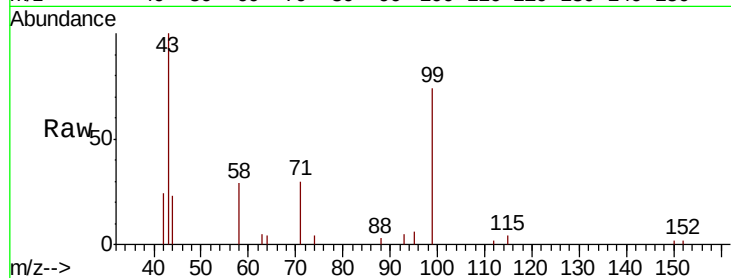
Tot Ion: 99 Resp: 5640

Ion Ratio Lower Upper

99 100

42 24.4 14.3 21.5#

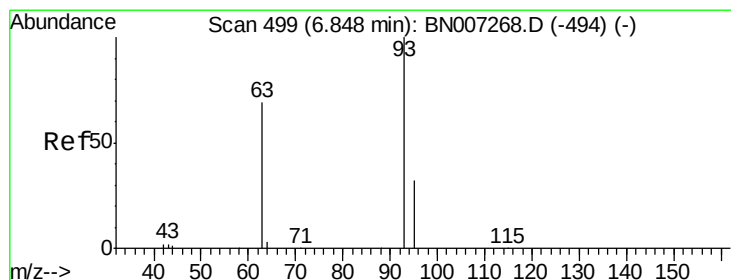
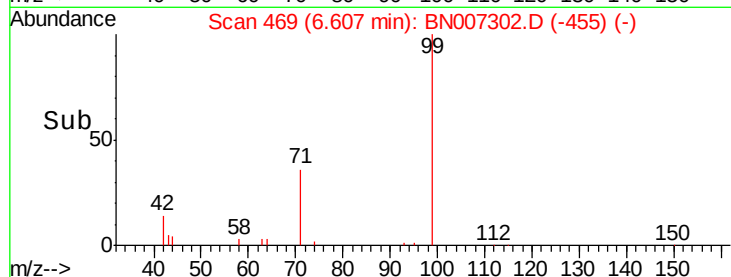
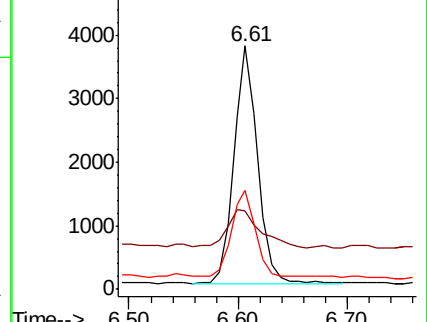
71 36.7 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BN007302.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007302.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007302.D (-462) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.400 ng

RT: 6.85 min Scan# 499

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

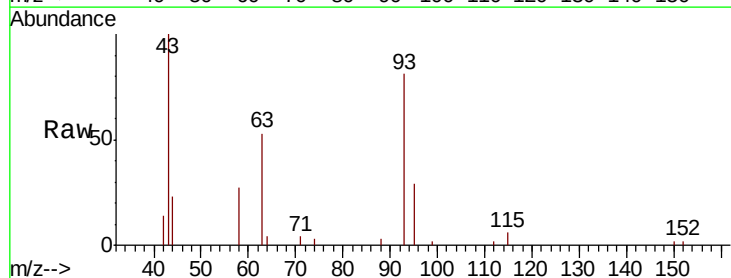
Tgt Ion: 93 Resp: 5977

Ion Ratio Lower Upper

93 100

63 62.9 54.4 81.6

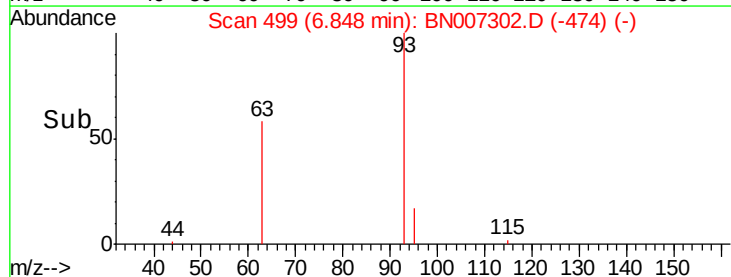
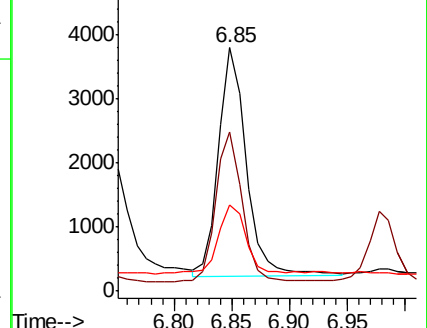
95 30.2 25.5 38.3

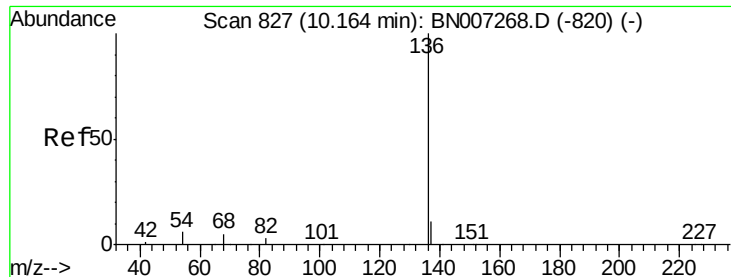


Abundance Ion 93.00 (92.70 to 93.70): BN007302.D (-494) (-)

Ion 63.00 (62.70 to 63.70): BN007302.D (-494) (-)

Ion 95.00 (94.70 to 95.70): BN007302.D (-494) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 18684

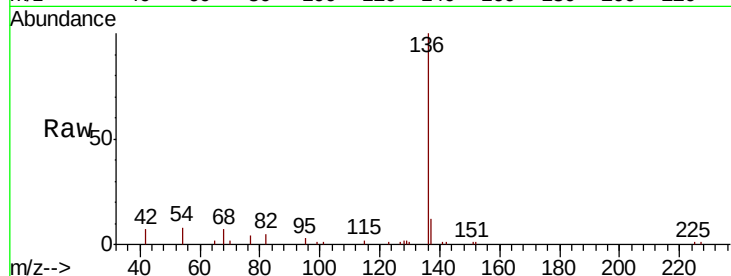
Ion Ratio Lower Upper

136 100

137 11.7 9.1 13.7

54 7.9 5.9 8.9

68 7.4 5.6 8.4

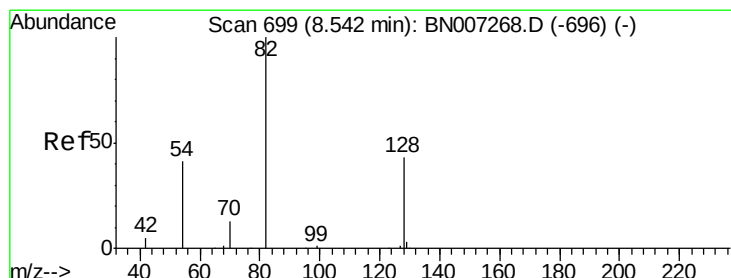
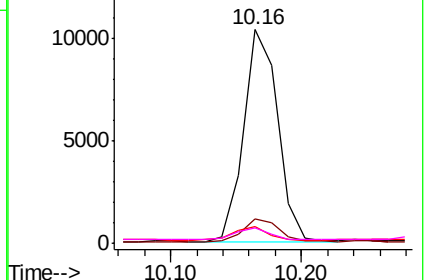
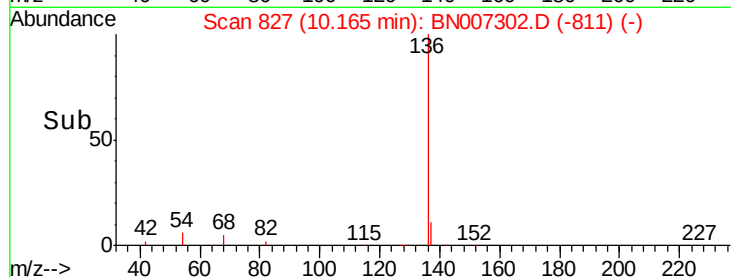


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.293 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

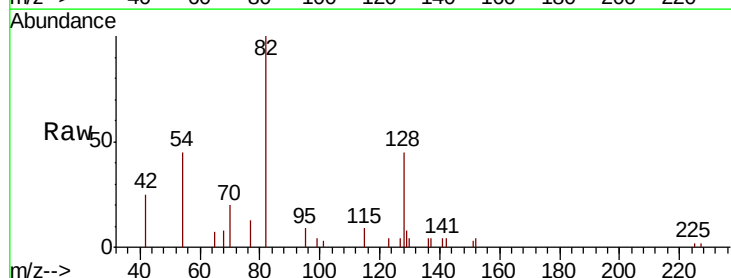
Tgt Ion: 82 Resp: 4207

Ion Ratio Lower Upper

82 100

128 44.5 35.8 53.6

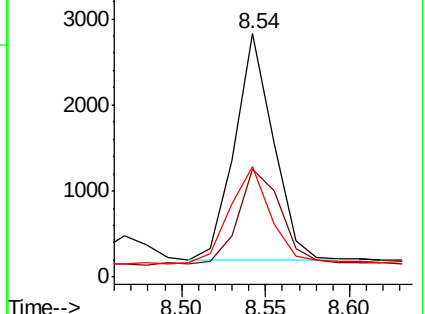
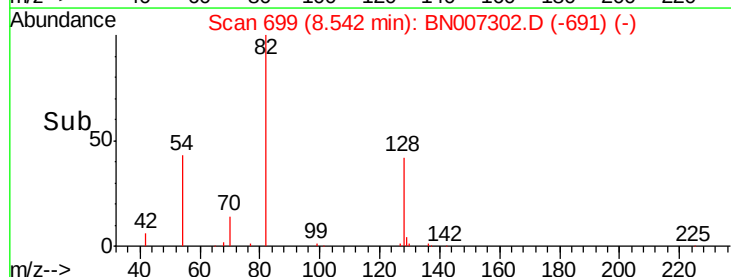
54 45.2 34.7 52.1

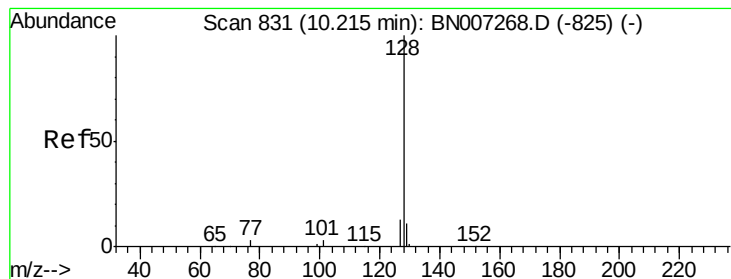


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 1.292 ng

RT: 10.22 min Scan# 831

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

Instrument :

BNA_N

ClientSampled :

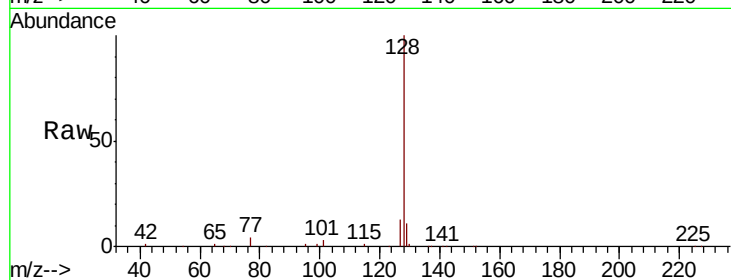
Tot Ion:128 Resp: 68415

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

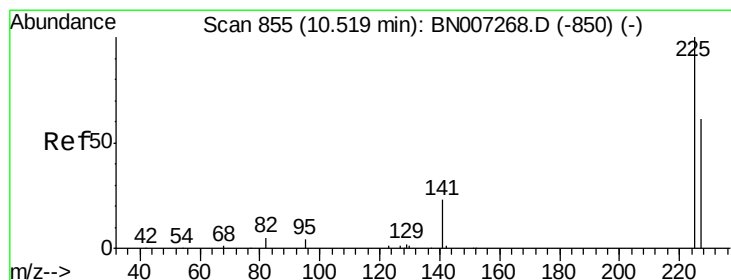
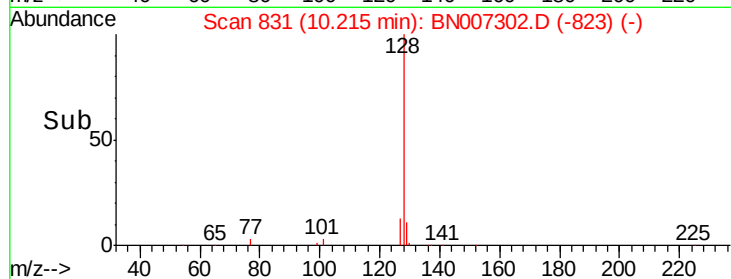
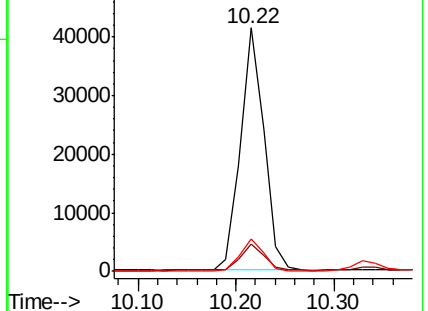
127 13.4 10.6 16.0



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: 0.374 ng

RT: 10.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

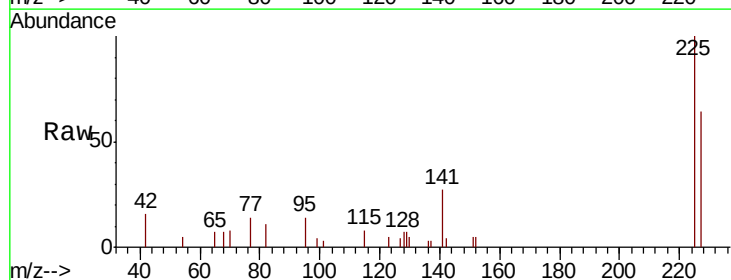
Tgt Ion:225 Resp: 4374

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

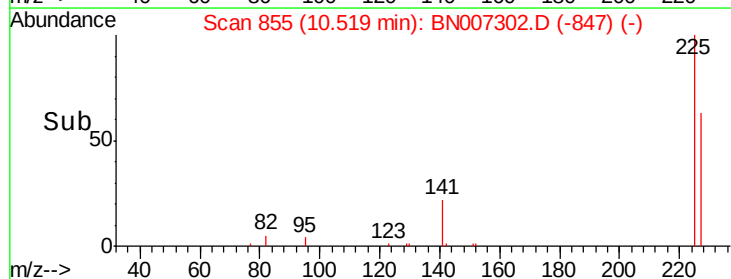
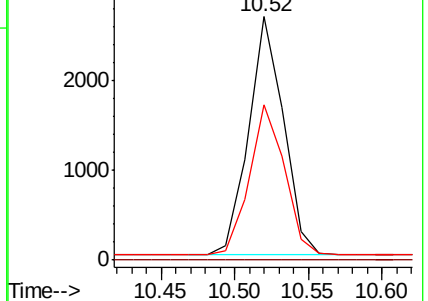
227 63.4 50.2 75.2

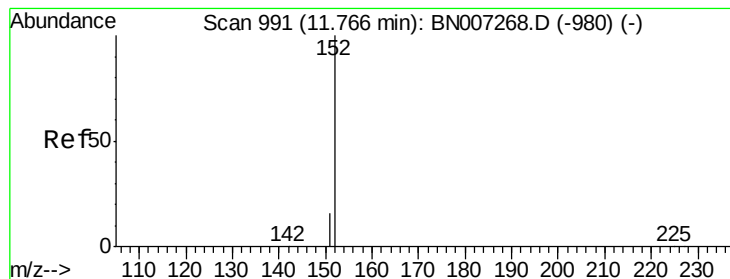


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.278 ng

RT: 11.77 min Scan# 992

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

Instrument :

BNA_N

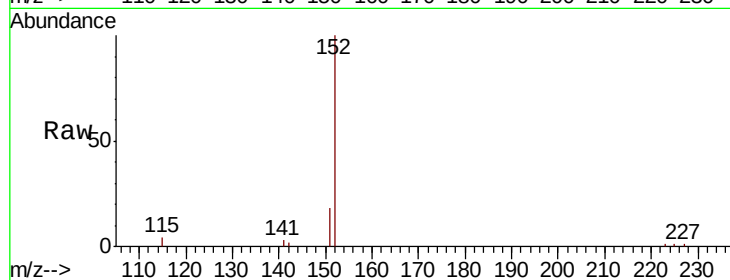
ClientSampleId :

Tot Ion:152 Resp: 8965

Ion Ratio Lower Upper

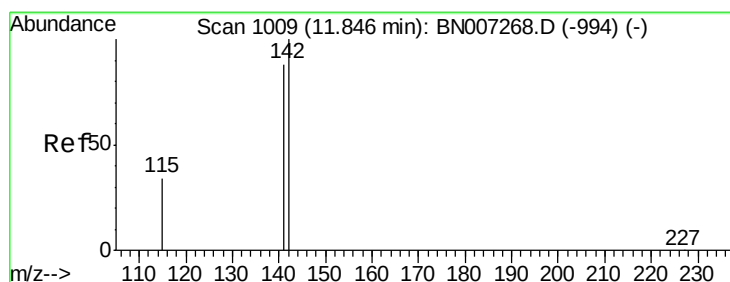
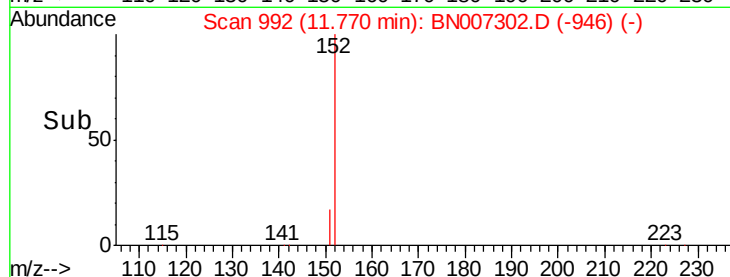
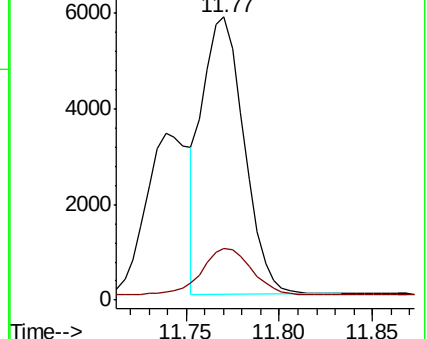
152 100

151 21.4 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 1.187 ng

RT: 11.85 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

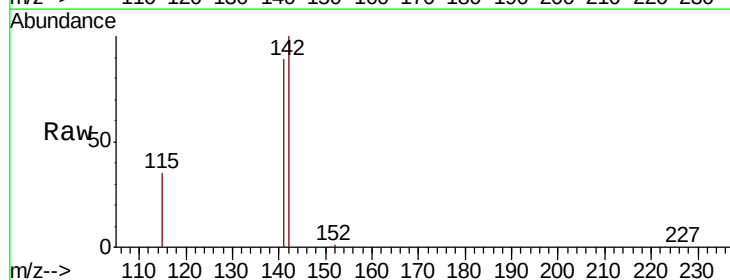
Tgt Ion:142 Resp: 43536

Ion Ratio Lower Upper

142 100

141 88.7 70.7 106.1

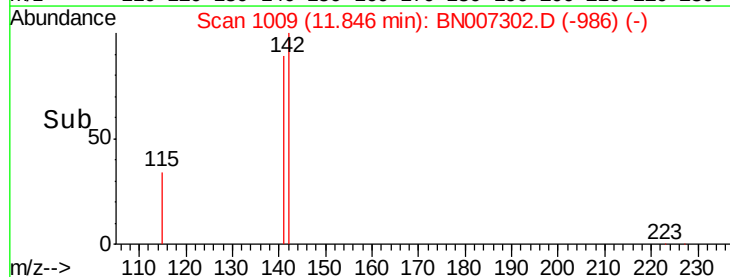
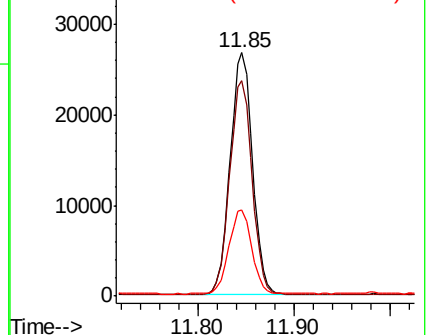
115 35.3 28.1 42.1

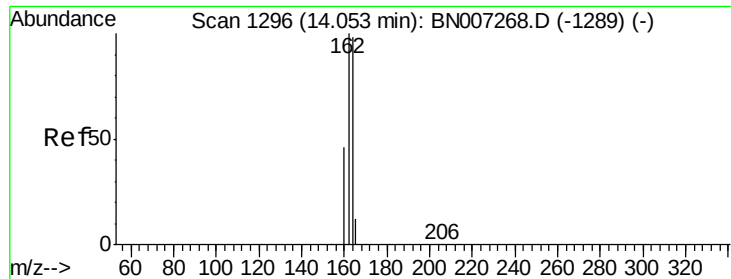


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

Instrument :

BNA_N

ClientSampleId :

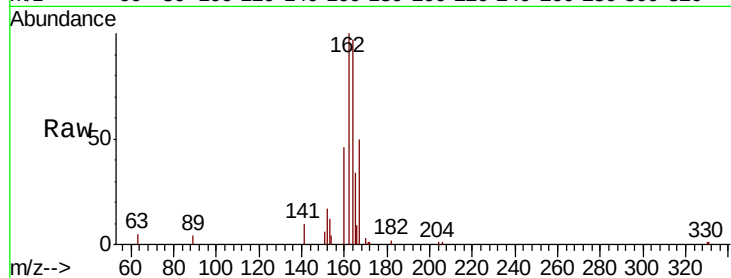
Tot Ion:164 Resp: 10935

Ion Ratio Lower Upper

164 100

162 102.6 82.0 123.0

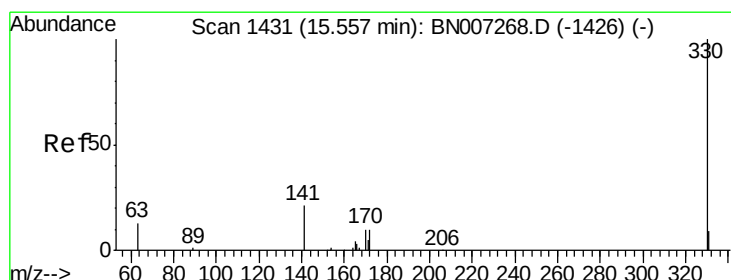
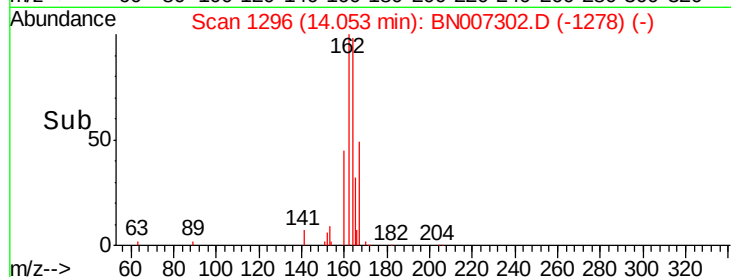
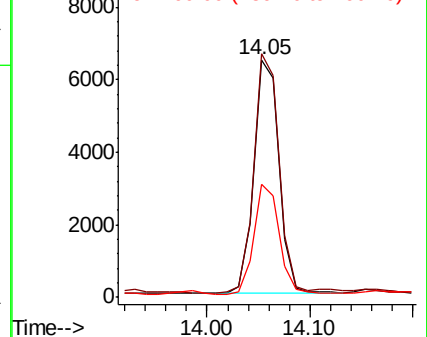
160 47.5 38.2 57.4



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: 0.335 ng

RT: 15.56 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

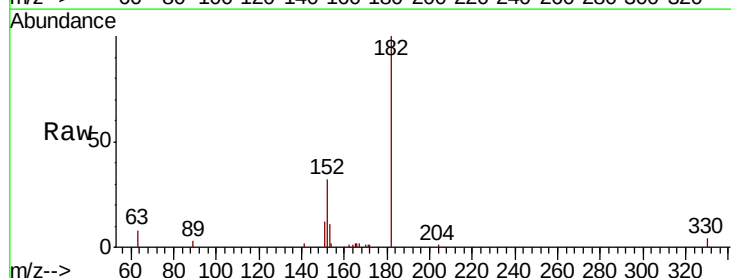
Tgt Ion:330 Resp: 2054

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

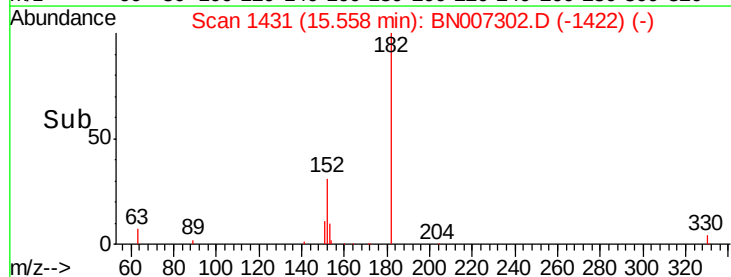
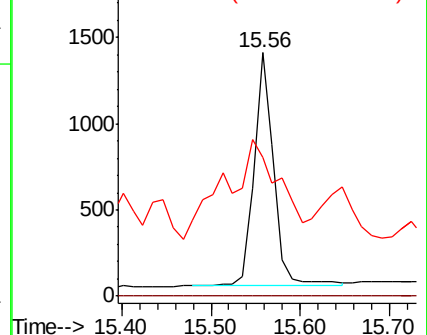
141 87.8 30.3 45.5#

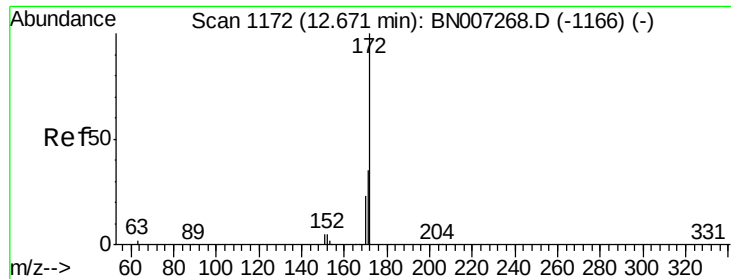


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

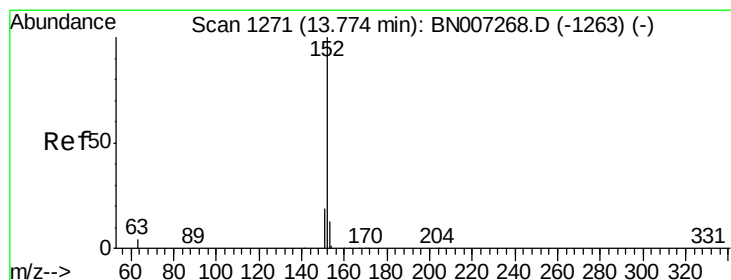
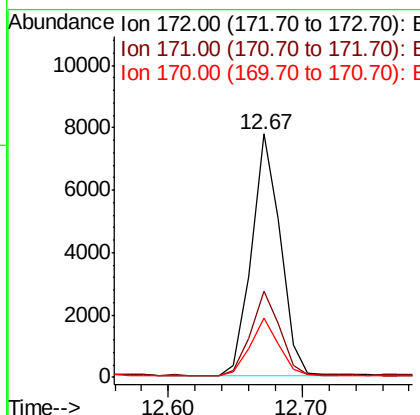
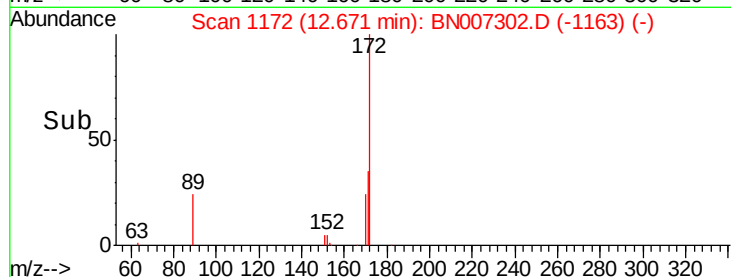
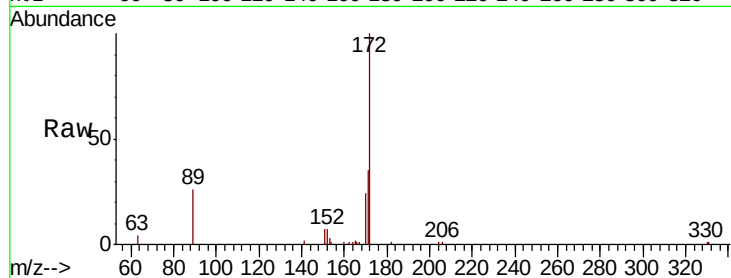




#15
2-Fluorobiphenyl
Concen: 0.248 ng
RT: 12.67 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007302.D
Acq: 21 Aug 2019 22:22

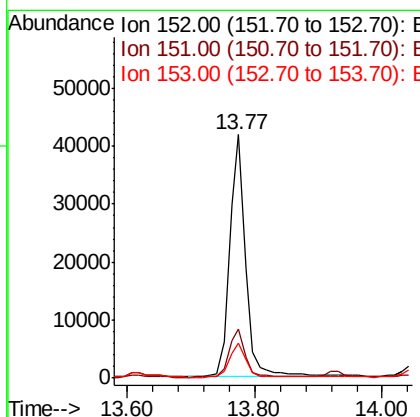
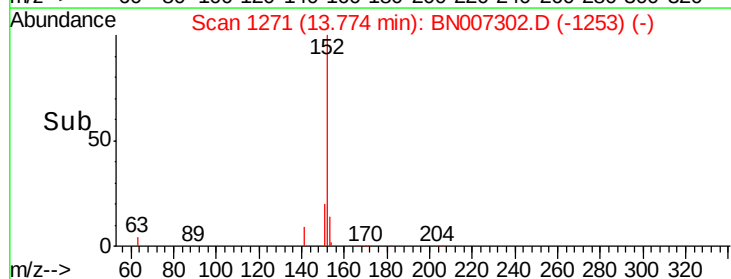
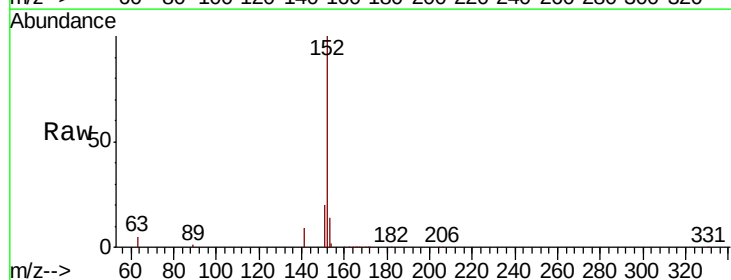
Instrument :
BNA_N
ClientSampled :

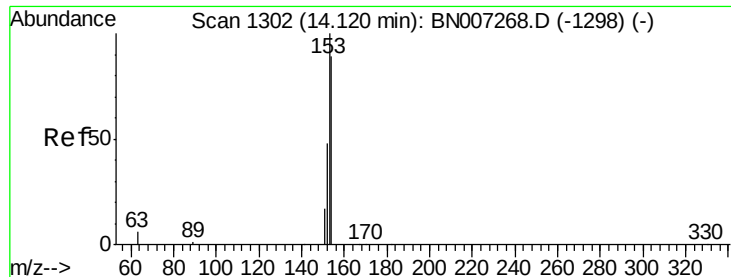
Tot Ion:172 Resp: 11630
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 24.3 18.7 28.1



#16
Acenaphthylene
Concen: 1.246 ng
RT: 13.77 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BN007302.D
Acq: 21 Aug 2019 22:22

Tgt Ion:152 Resp: 72269
Ion Ratio Lower Upper
152 100
151 20.0 15.4 23.2
153 14.2 10.1 15.1





#17

Acenaphthene

Concen: 8.720 ng

RT: 14.12 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

Instrument :

BNA_N

ClientSampleId :

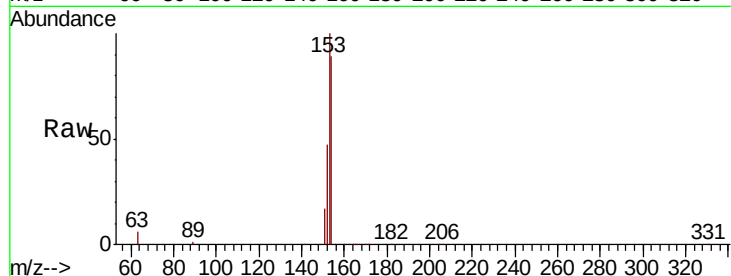
Tot Ion:154 Resp: 322225

Ion Ratio Lower Upper

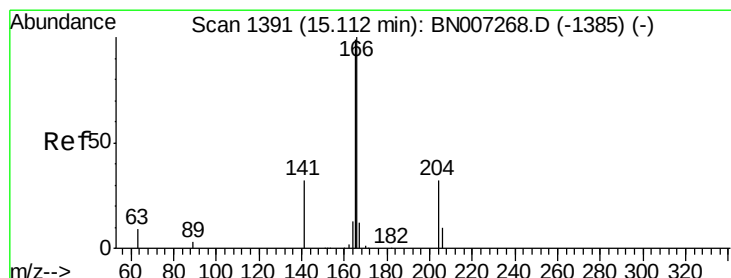
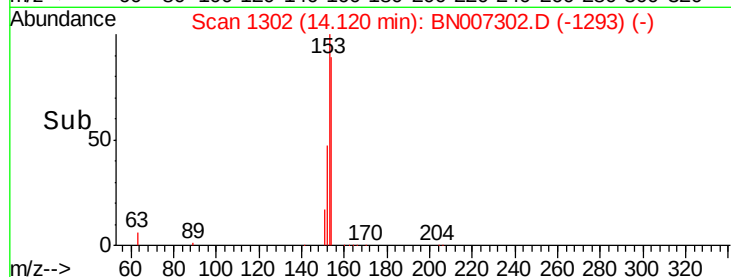
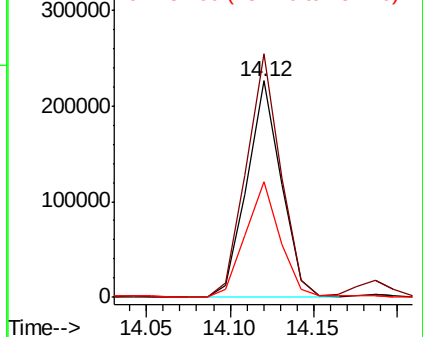
154 100

153 112.3 89.9 134.9

152 54.2 43.9 65.9



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: 7.940 ng

RT: 15.11 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

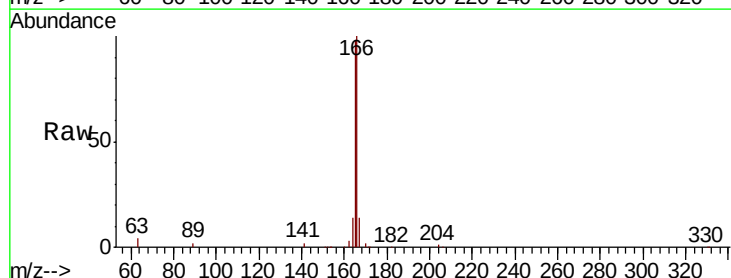
Tgt Ion:166 Resp: 383363

Ion Ratio Lower Upper

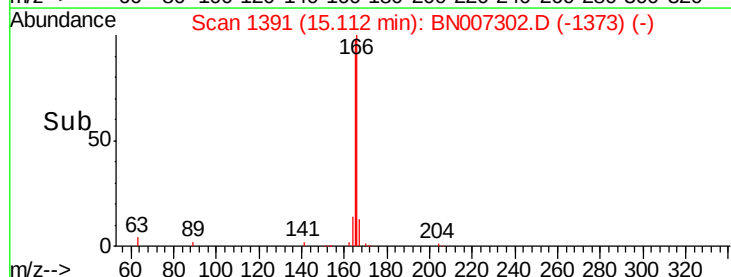
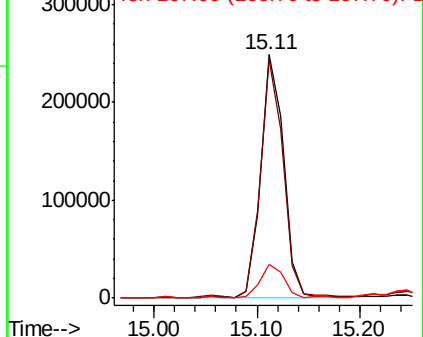
166 100

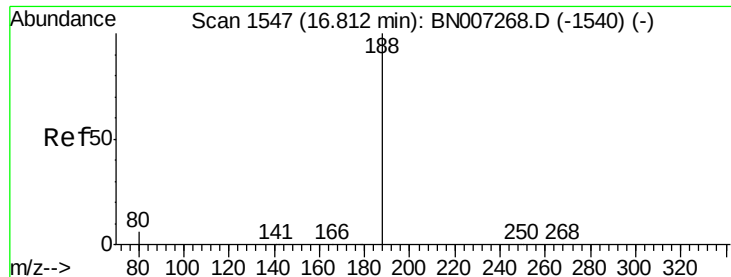
165 97.3 78.3 117.5

167 14.4 11.1 16.7



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: 16.81 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

Instrument :

BNA_N

ClientSampleId :

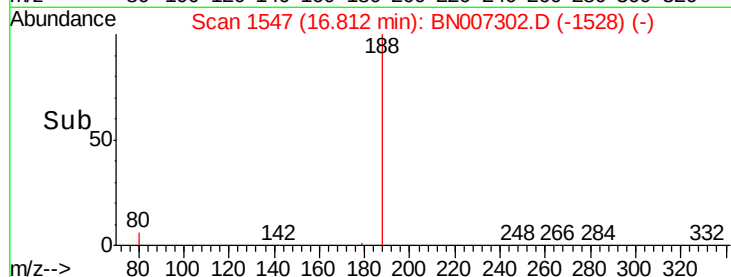
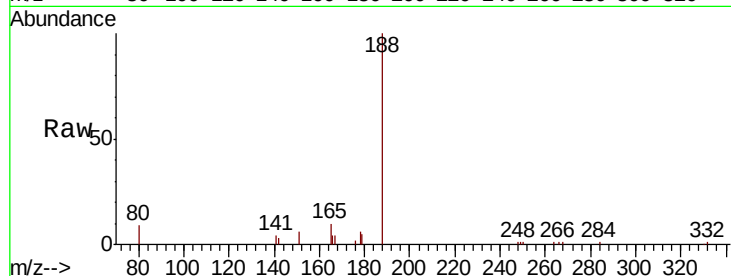
Tot Ion:188 Resp: 24847

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

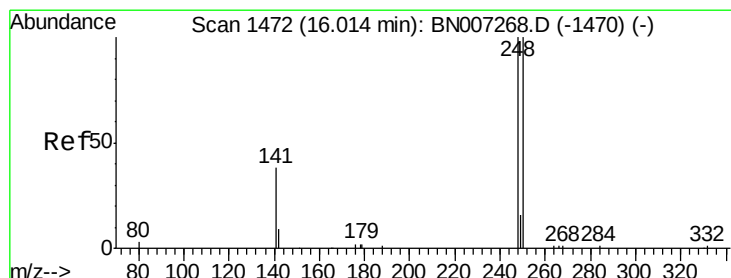
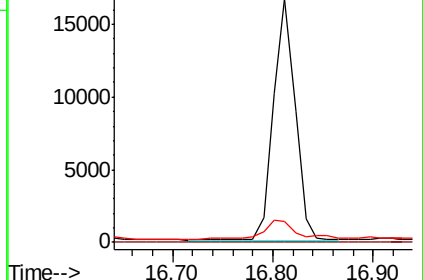
80 8.8 5.2 7.8#



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



#20

4-Bromophenyl-phenylether

Concen: 0.331 ng

RT: 16.01 min Scan# 1472

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

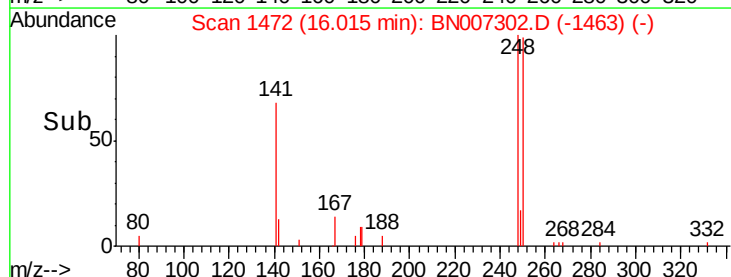
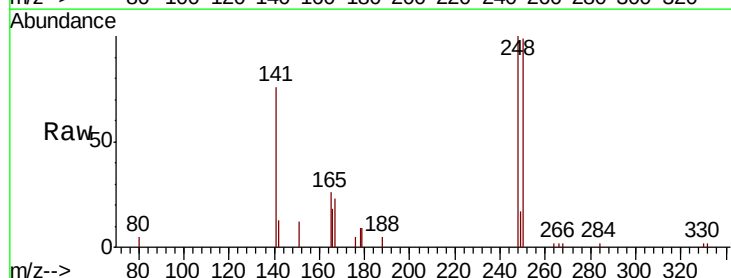
Tgt Ion:248 Resp: 4711

Ion Ratio Lower Upper

248 100

250 98.7 79.6 119.4

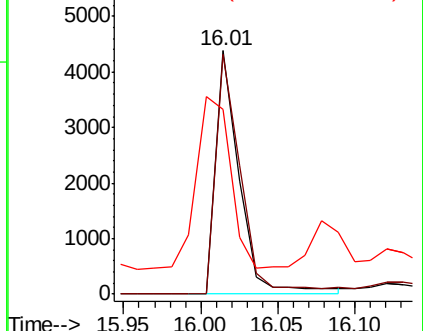
141 75.9 45.1 67.7#

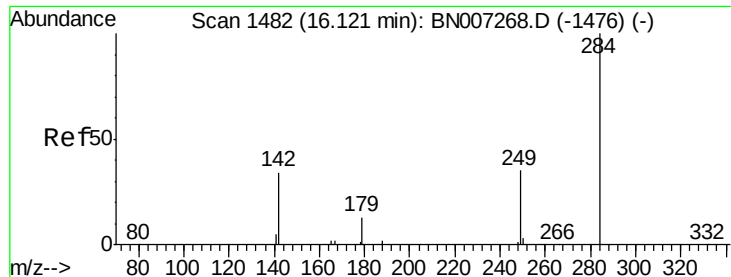


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

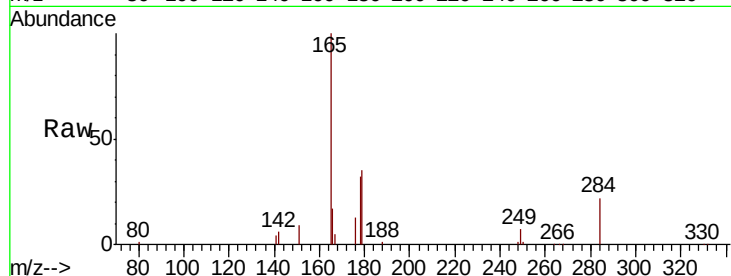




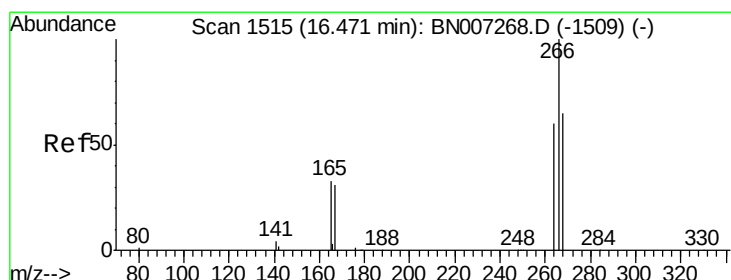
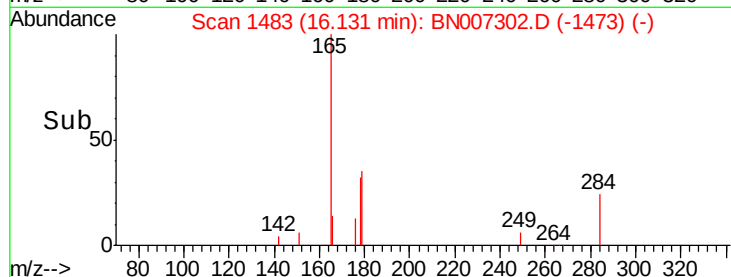
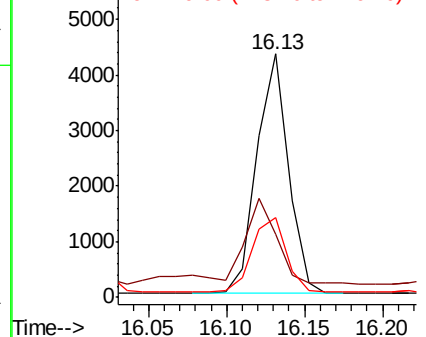
#21
Hexachlorobenzene
Concen: 0.367 ng
RT: 16.13 min Scan# 1483
Delta R.T. 0.01 min
Lab File: BN007302.D
Acq: 21 Aug 2019 22:22

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
284	100		
142	36.2	29.5	44.3
249	33.5	26.2	39.4

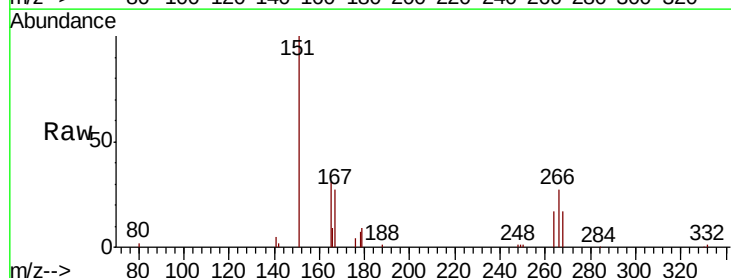


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

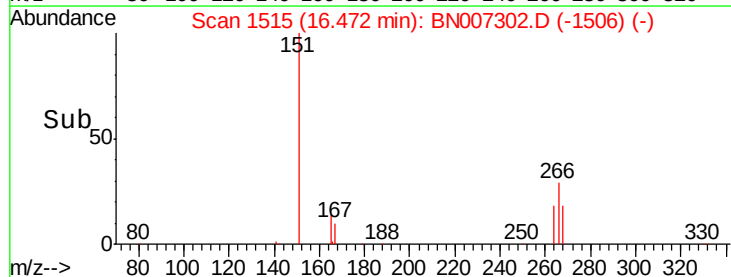
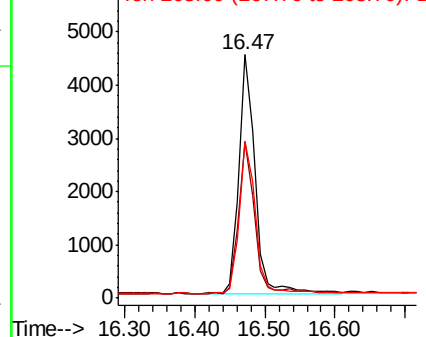


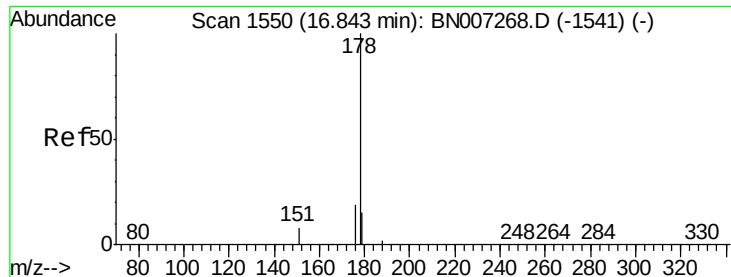
#22
Pentachlorophenol
Concen: 1.069 ng
RT: 16.47 min Scan# 1515
Delta R.T. 0.00 min
Lab File: BN007302.D
Acq: 21 Aug 2019 22:22

Tgt Ion	Ratio	Lower	Upper
266	100		
264	64.1	48.7	73.1
268	64.3	53.5	80.3



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: 77.958 ng

RT: 16.85 min Scan# 1551

Delta R.T. 0.01 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

Instrument :

BNA_N

ClientSampleId :

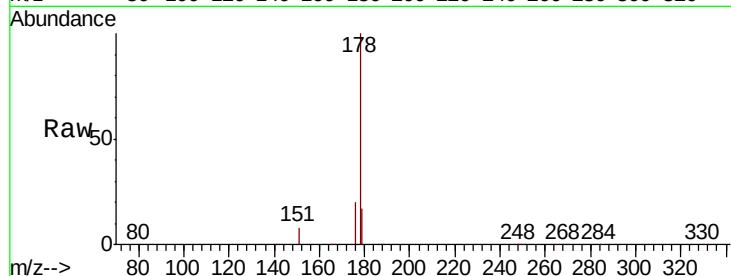
Tot Ion:178 Resp: 6071111

Ion Ratio Lower Upper

178 100

176 19.3 15.2 22.8

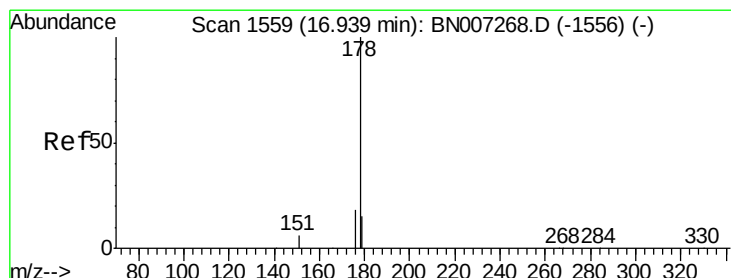
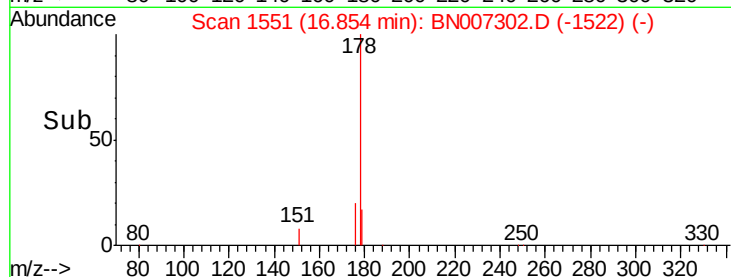
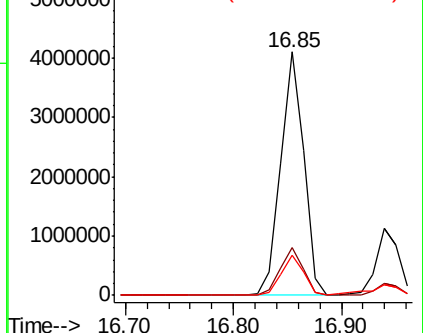
179 16.2 12.3 18.5



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: 22.867 ng

RT: 16.94 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

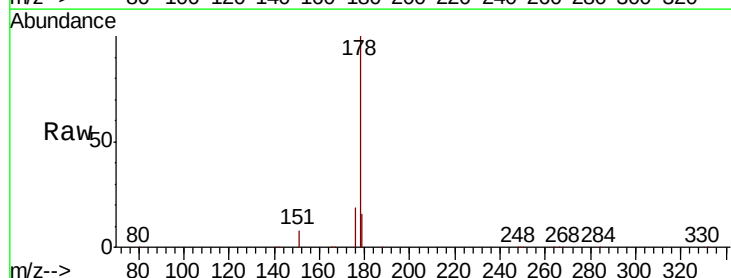
Tgt Ion:178 Resp: 1603476

Ion Ratio Lower Upper

178 100

176 18.2 14.3 21.5

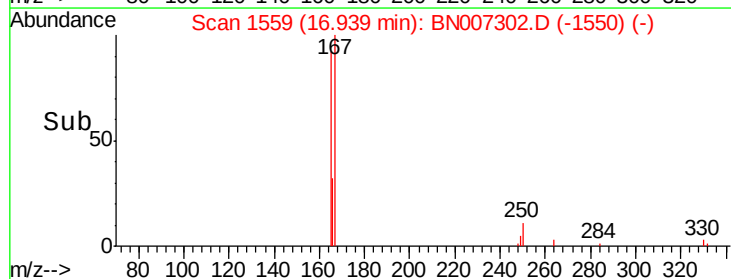
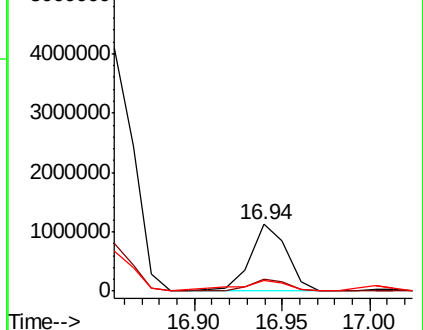
179 20.6 12.3 18.5#

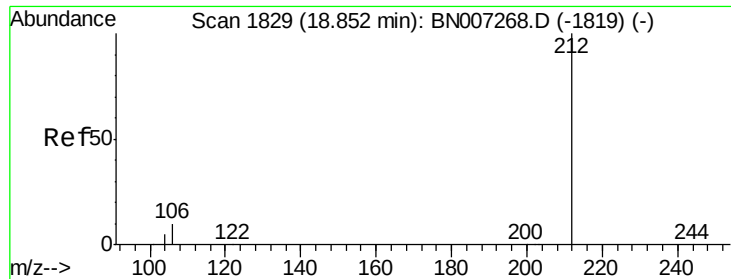


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.293 ng

RT: 18.86 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

Instrument :

BNA_N

ClientSampleId :

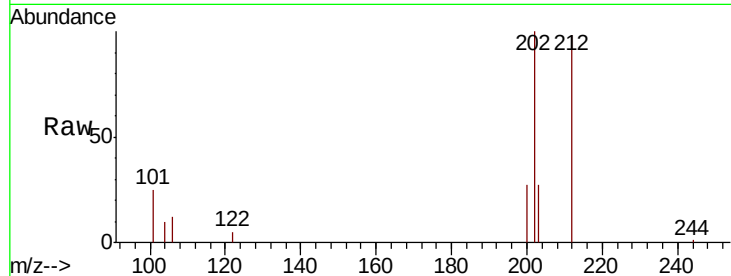
Tot Ion:212 Resp: 23078

Ion Ratio Lower Upper

212 100

106 9.2 8.2 12.4

104 10.1 4.7 7.1#

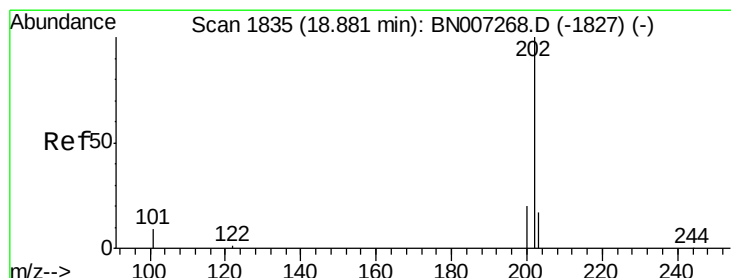
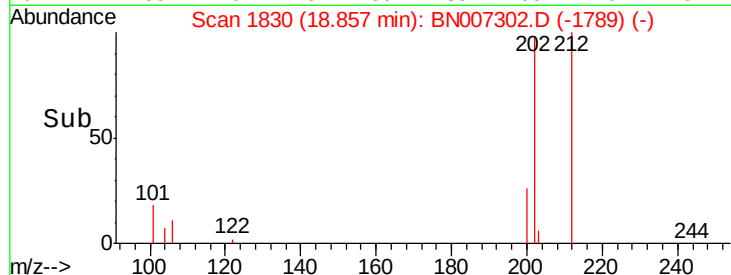
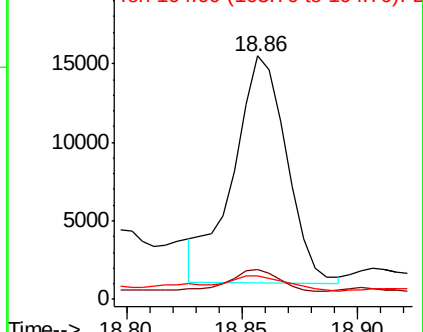


Abundance

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: 119.632 ng

RT: 18.90 min Scan# 1838

Delta R.T. 0.02 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

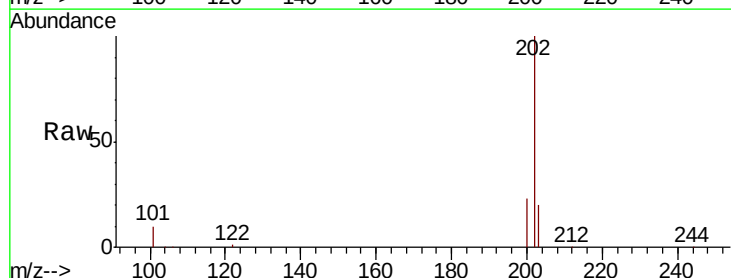
Tgt Ion:202 Resp:11284835

Ion Ratio Lower Upper

202 100

101 9.8 7.2 10.8

203 19.3 13.8 20.6

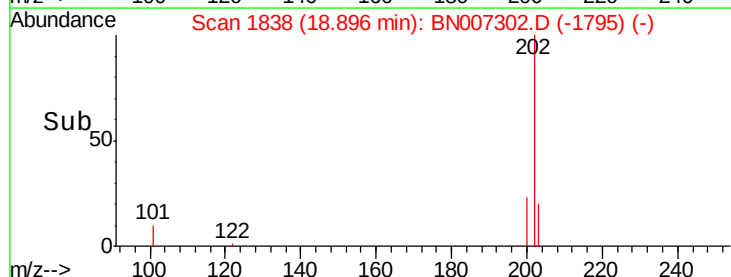
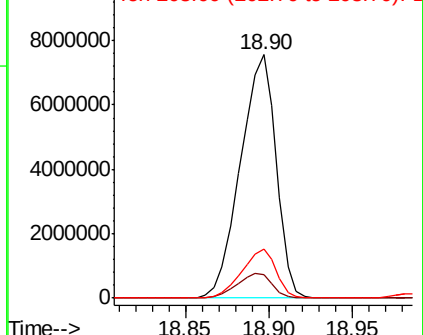


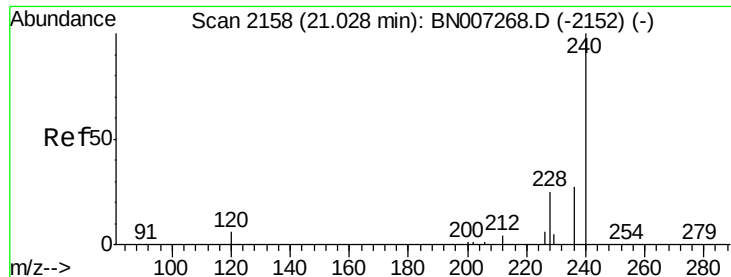
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.04 min Scan# 2159

Delta R.T. 0.01 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

Instrument :

BNA_N

ClientSampled :

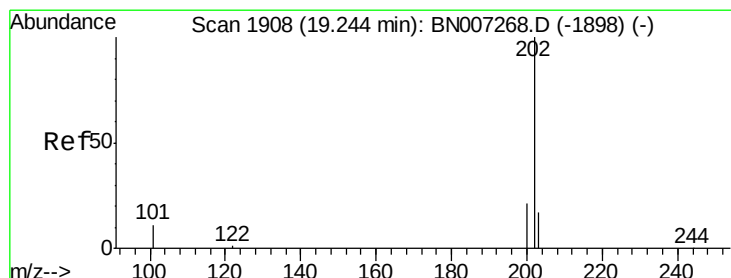
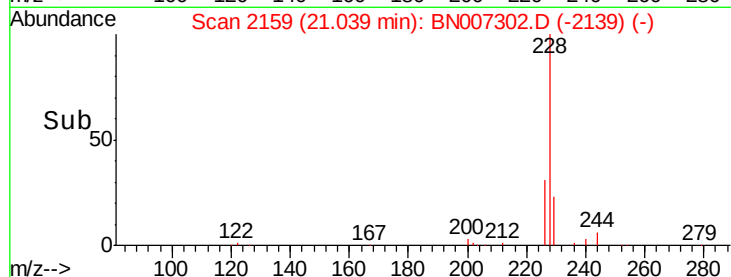
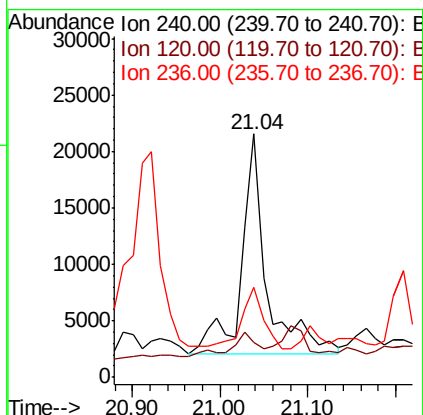
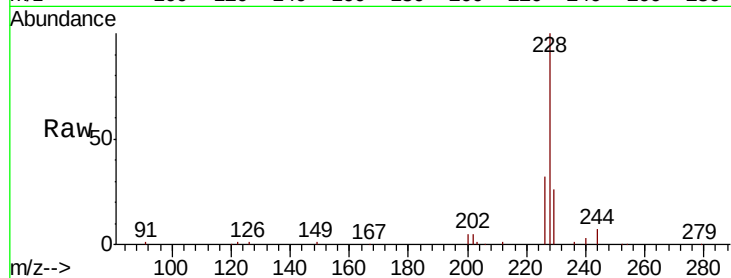
Tot Ion:240 Resp: 38521

Ion Ratio Lower Upper

240 100

120 14.5 5.6 8.4#

236 36.7 21.6 32.4#



#28

Pyrene

Concen: 70.977 ng

RT: 19.26 min Scan# 1911

Delta R.T. 0.01 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

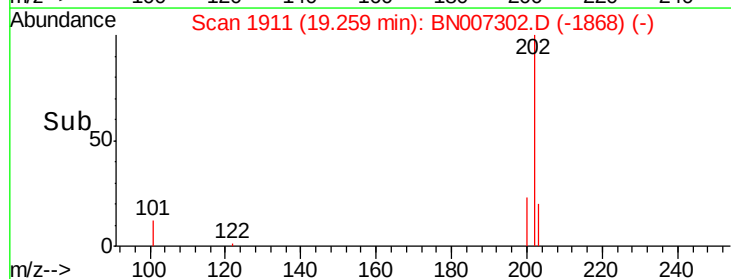
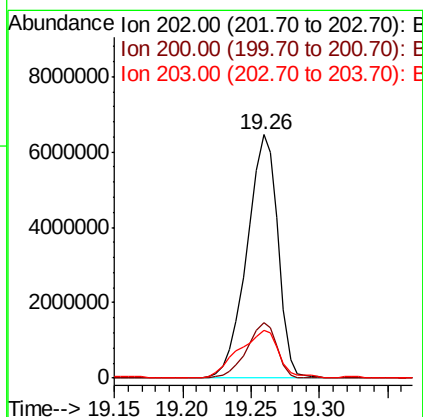
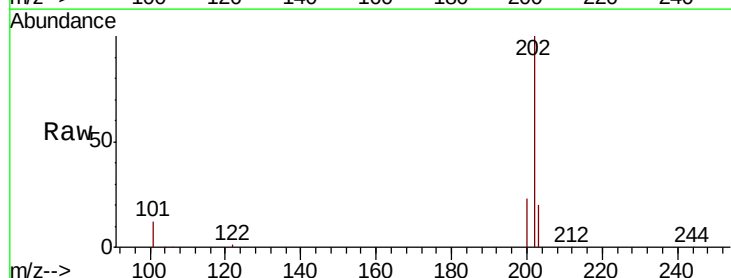
Tgt Ion:202 Resp:10224071

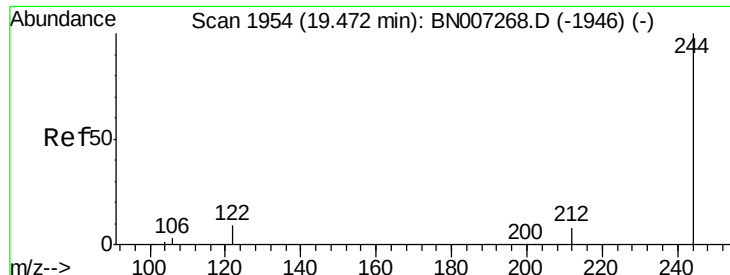
Ion Ratio Lower Upper

202 100

200 22.2 16.7 25.1

203 25.6 13.9 20.9#





#29

Terphenyl-d14

Concen: 0.227 ng

RT: 19.47 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

Instrument :

BNA_N

ClientSampleId :

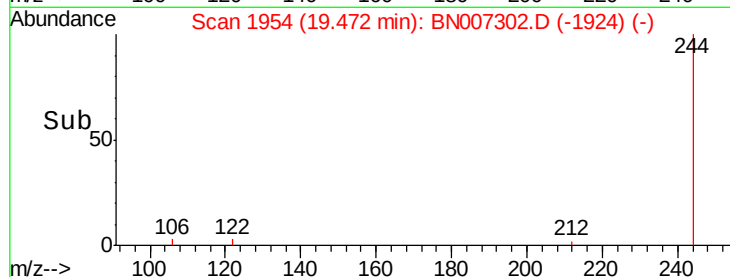
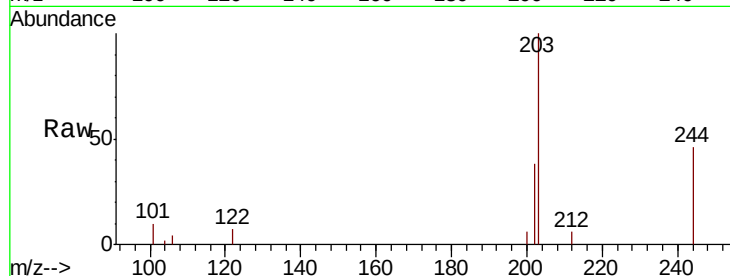
Tot Ion:244 Resp: 21874

Ion Ratio Lower Upper

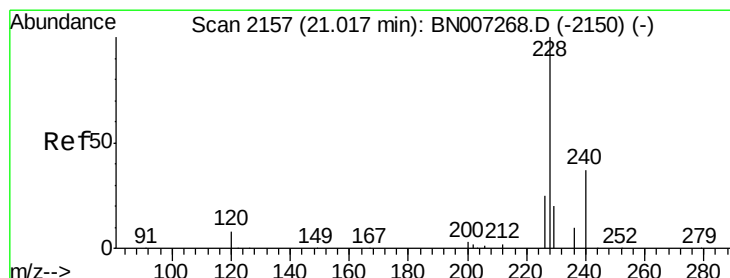
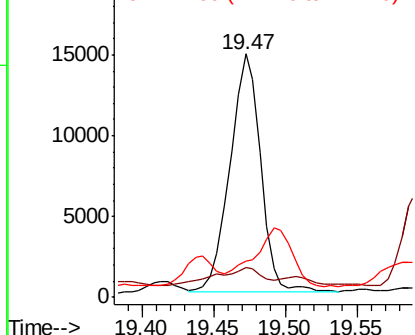
244 100

212 12.1 6.5 9.7#

122 14.7 7.9 11.9#



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: 42.177 ng

RT: 21.02 min Scan# 2157

Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

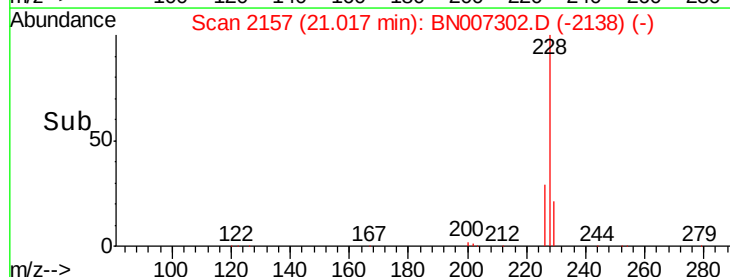
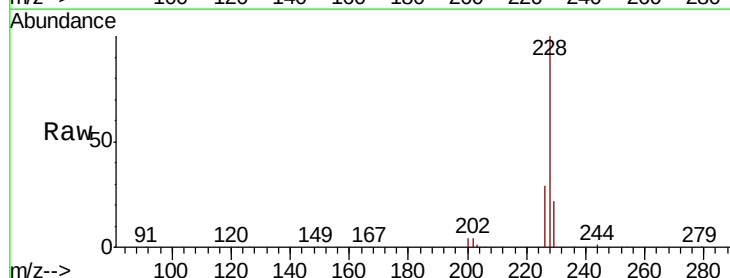
Tgt Ion:228 Resp: 6041318

Ion Ratio Lower Upper

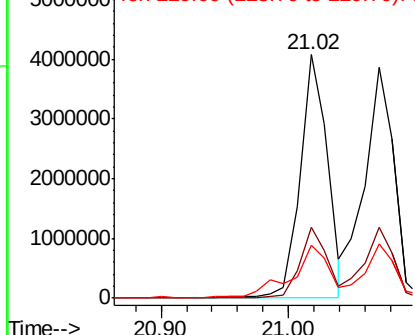
228 100

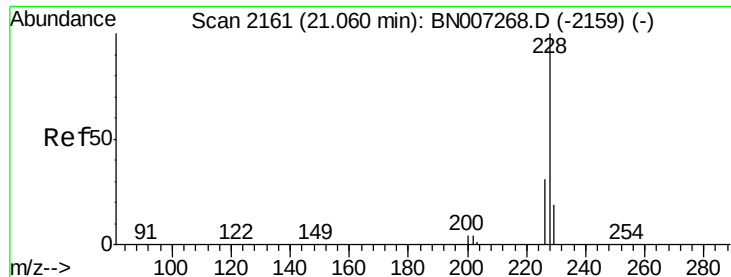
226 29.1 20.6 30.8

229 21.7 16.9 25.3



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: 37.352 ng

RT: 21.02 min Scan# 2157

Delta R.T. -0.04 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

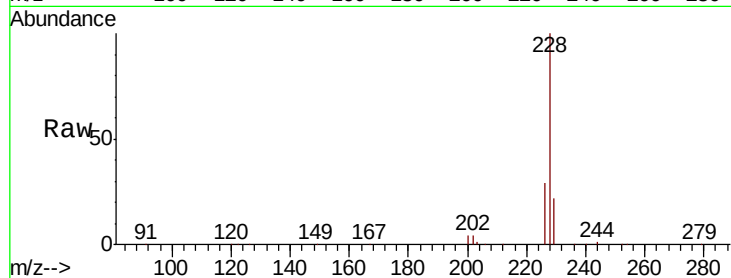
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 5459875

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.6	36.8
229	21.7	15.6	23.4

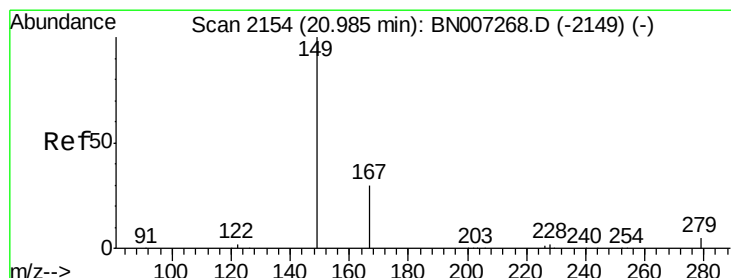
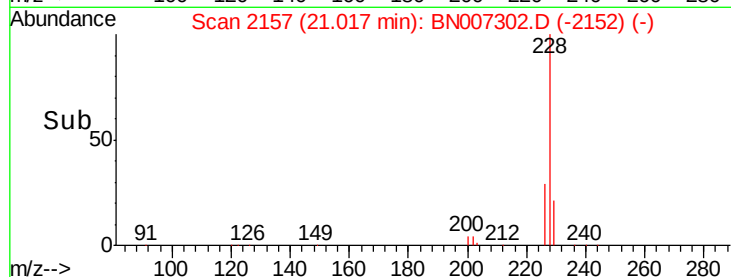
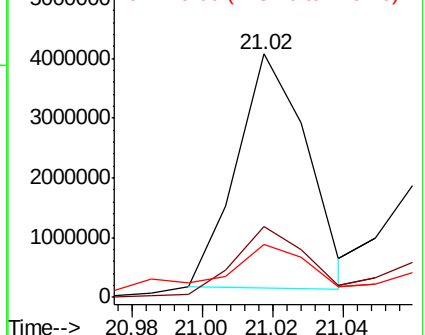


Abundance

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: 1.360 ng

RT: 20.99 min Scan# 2154

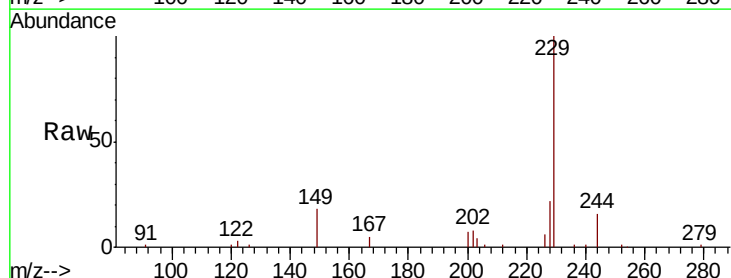
Delta R.T. 0.00 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

Tgt Ion:149 Resp: 77852

Ion	Ratio	Lower	Upper
149	100		
167	22.7	23.8	35.6#
279	3.9	3.8	5.8

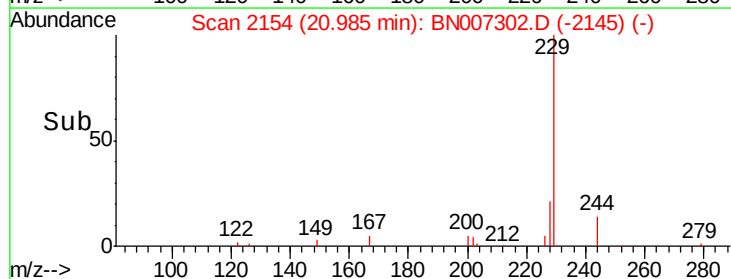
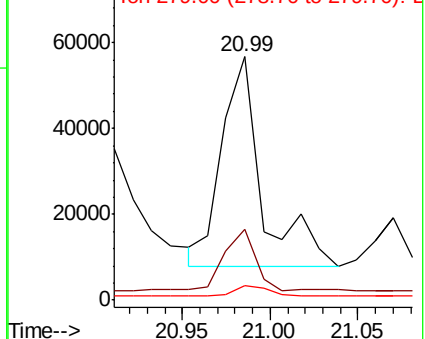


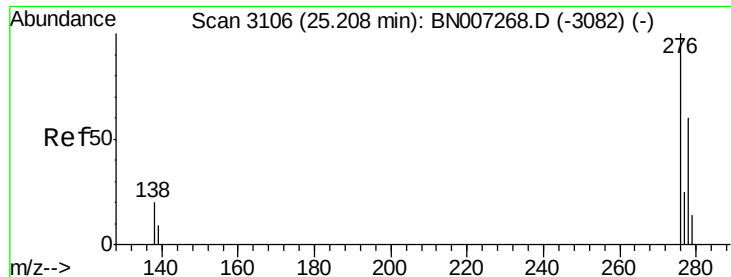
Abundance

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





#33

Indeno(1,2,3-cd)pyrene

Concen: 24.534 ng

RT: 25.24 min Scan# 3114

Delta R.T. 0.03 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

Instrument :

BNA_N

ClientSampleId :

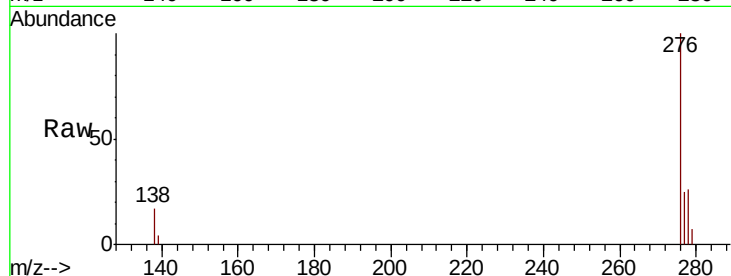
Tot Ion:276 Resp: 4315314

Ion Ratio Lower Upper

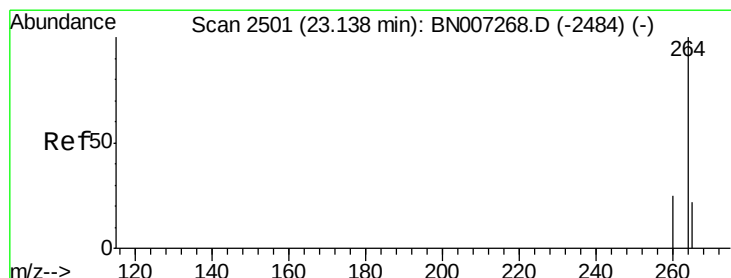
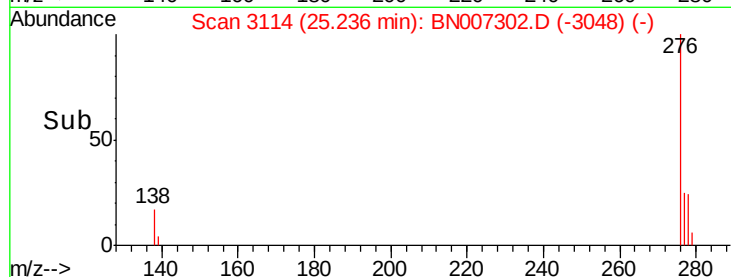
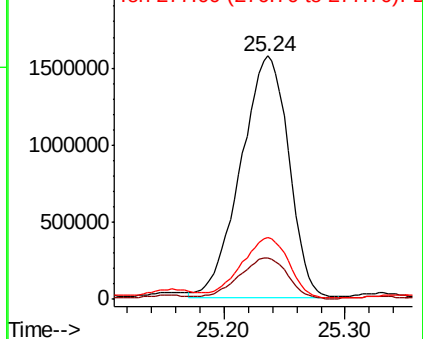
276 100

138 17.0 17.1 25.7#

277 24.9 20.1 30.1



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.15 min Scan# 2504

Delta R.T. 0.01 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

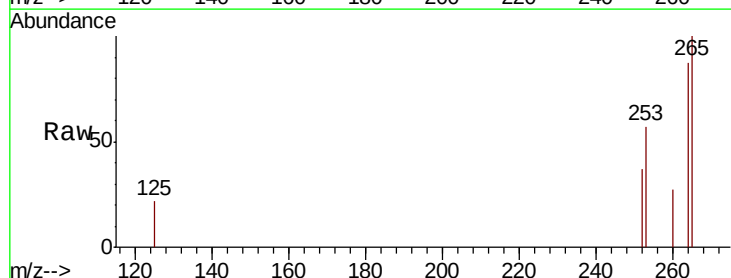
Tgt Ion:264 Resp: 44234

Ion Ratio Lower Upper

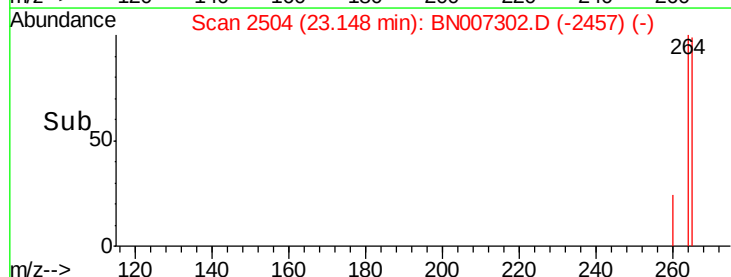
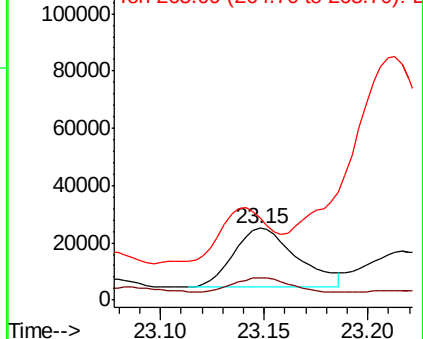
264 100

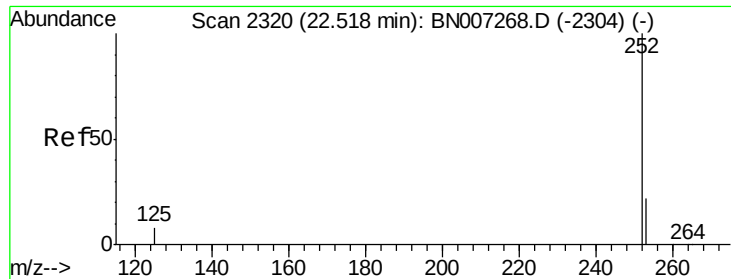
260 31.1 20.1 30.1#

265 115.1 29.0 43.6#



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

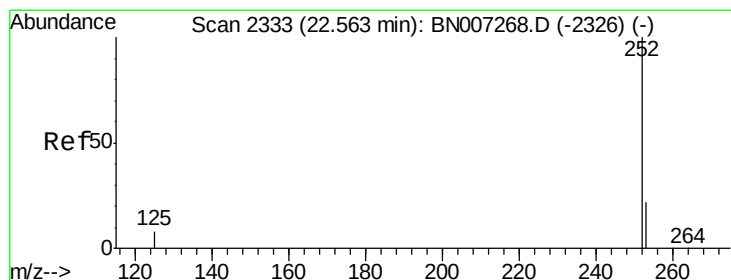
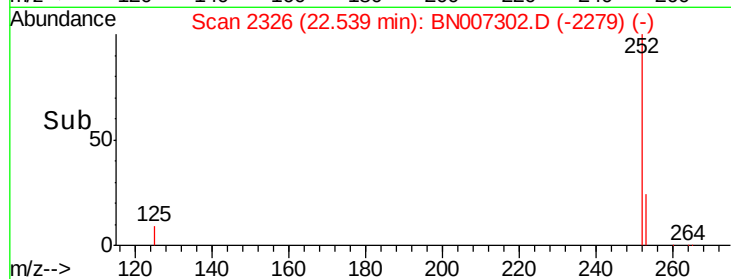
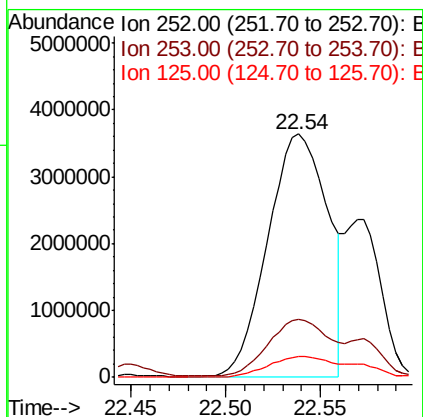
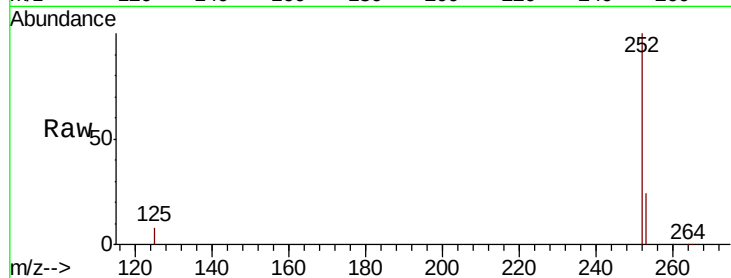




#35
Benzo(b)fluoranthene
Concen: 48.168 ng
RT: 22.54 min Scan# 2326
Delta R.T. 0.02 min
Lab File: BN007302.D
Acq: 21 Aug 2019 22:22

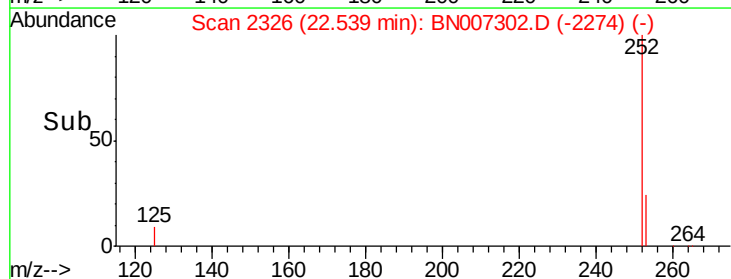
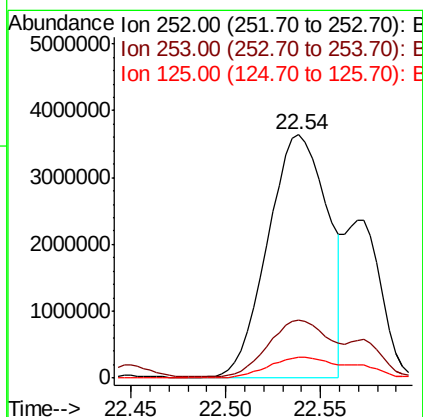
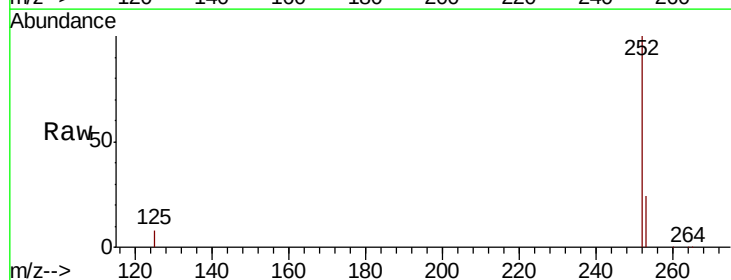
Instrument :
BNA_N
ClientSampleId :

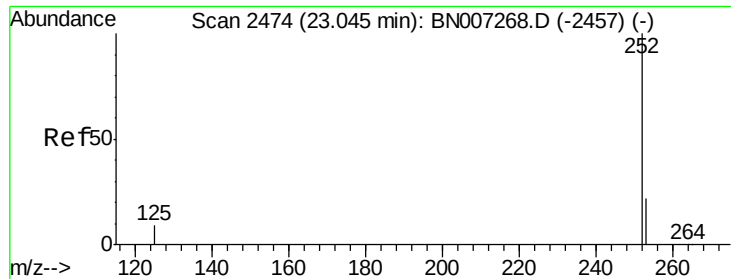
Tot Ion:252 Resp: 7943132
Ion Ratio Lower Upper
252 100
253 24.0 18.5 27.7
125 8.5 7.8 11.6



#36
Benzo(k)fluoranthene
Concen: 49.167 ng
RT: 22.54 min Scan# 2326
Delta R.T. -0.02 min
Lab File: BN007302.D
Acq: 21 Aug 2019 22:22

Tgt Ion:252 Resp: 7943132
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 8.5 8.0 12.0





#37

Benzo(a)pyrene

Concen: 28.103 ng

RT: 22.97 min Scan# 2453

Delta R.T. -0.07 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

Instrument :

BNA_N

ClientSampleId :

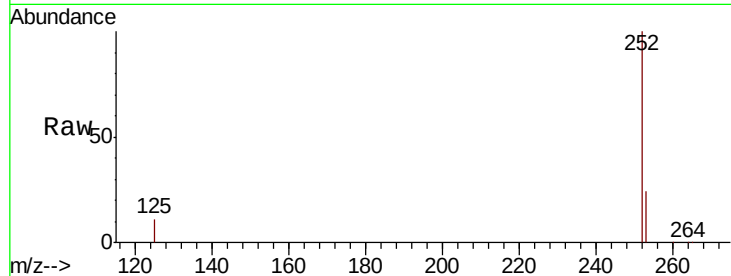
Tot Ion:252 Resp: 4176670

Ion Ratio Lower Upper

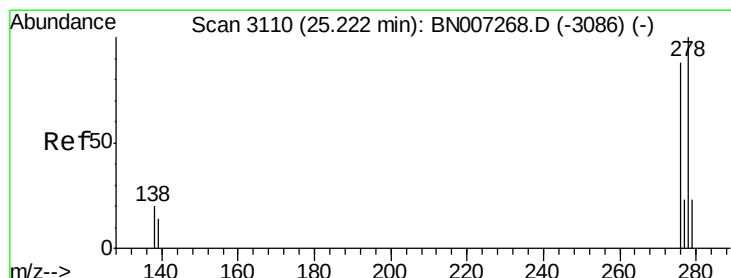
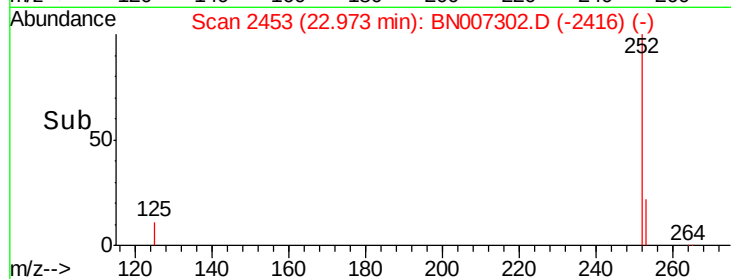
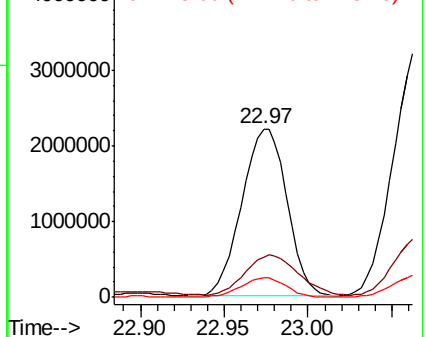
252 100

253 24.1 18.7 28.1

125 11.5 8.7 13.1



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



#38

Dibenzo(a,h)anthracene

Concen: 7.335 ng

RT: 25.24 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

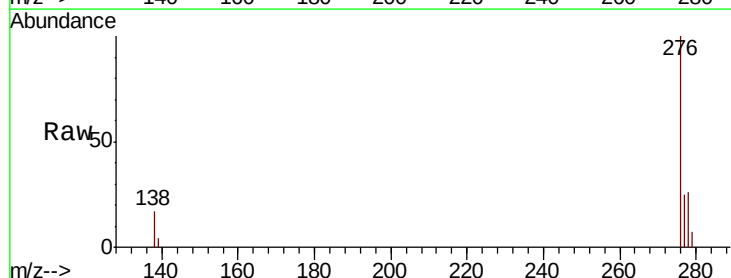
Tgt Ion:278 Resp: 1145243

Ion Ratio Lower Upper

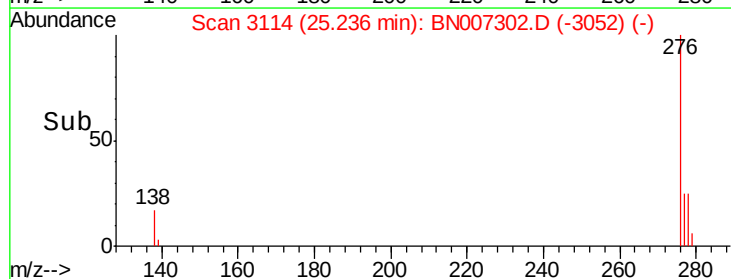
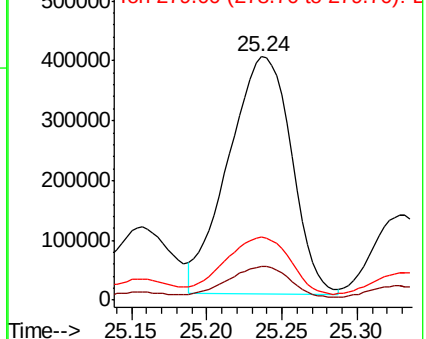
278 100

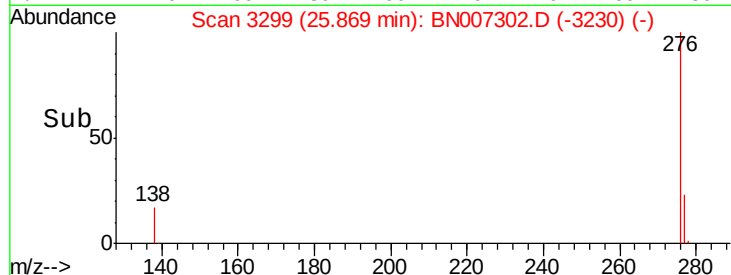
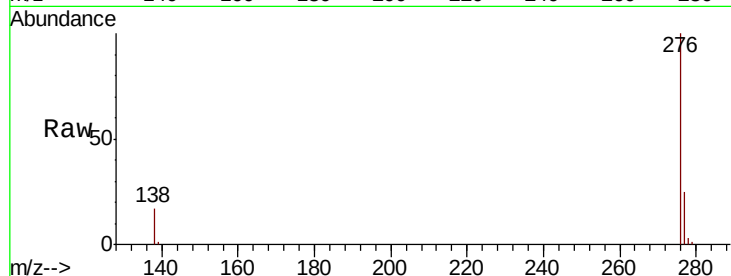
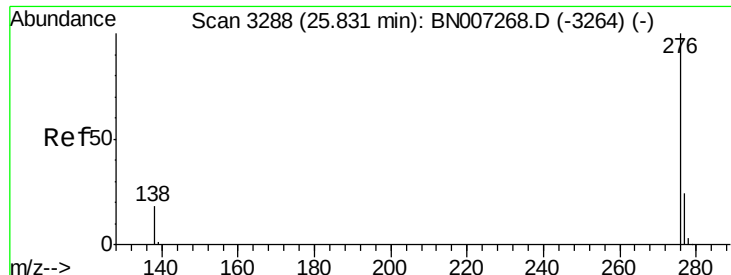
139 13.7 11.8 17.8

279 25.8 19.8 29.6



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: 27.379 ng

RT: 25.87 min Scan# 3299

Delta R.T. 0.04 min

Lab File: BN007302.D

Acq: 21 Aug 2019 22:22

Instrument :

BNA_N

ClientSampleId :

Tot Ion:276 Resp: 4320904

Ion Ratio Lower Upper

276 100

277 24.6 19.5 29.3

138 17.1 15.3 22.9

