

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122018\
 Data File : BN004154.D
 Acq On : 20 Dec 2018 17:27
 Operator : JU/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 20 18:00:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN122018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 20 17:31:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	1751	0.40	ng	0.00
7) Naphthalene-d8	10.62	136	9602	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	6111	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	15474	0.40	ng	0.00
27) Chrysene-d12	21.41	240	16053	0.40	ng	0.00
34) Perylene-d12	23.73	264	14953	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	2181	0.40	ng	0.00
5) Phenol-d6	7.00	99	2800	0.39	ng	0.00
8) Nitrobenzene-d5	9.00	82	2259	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	6122	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	1346	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.08	172	8825	0.36	ng	0.00
25) Fluoranthene-d10	19.25	212	16854	0.37	ng	0.00
29) Terphenyl-d14	19.84	244	14587	0.37	ng	0.00

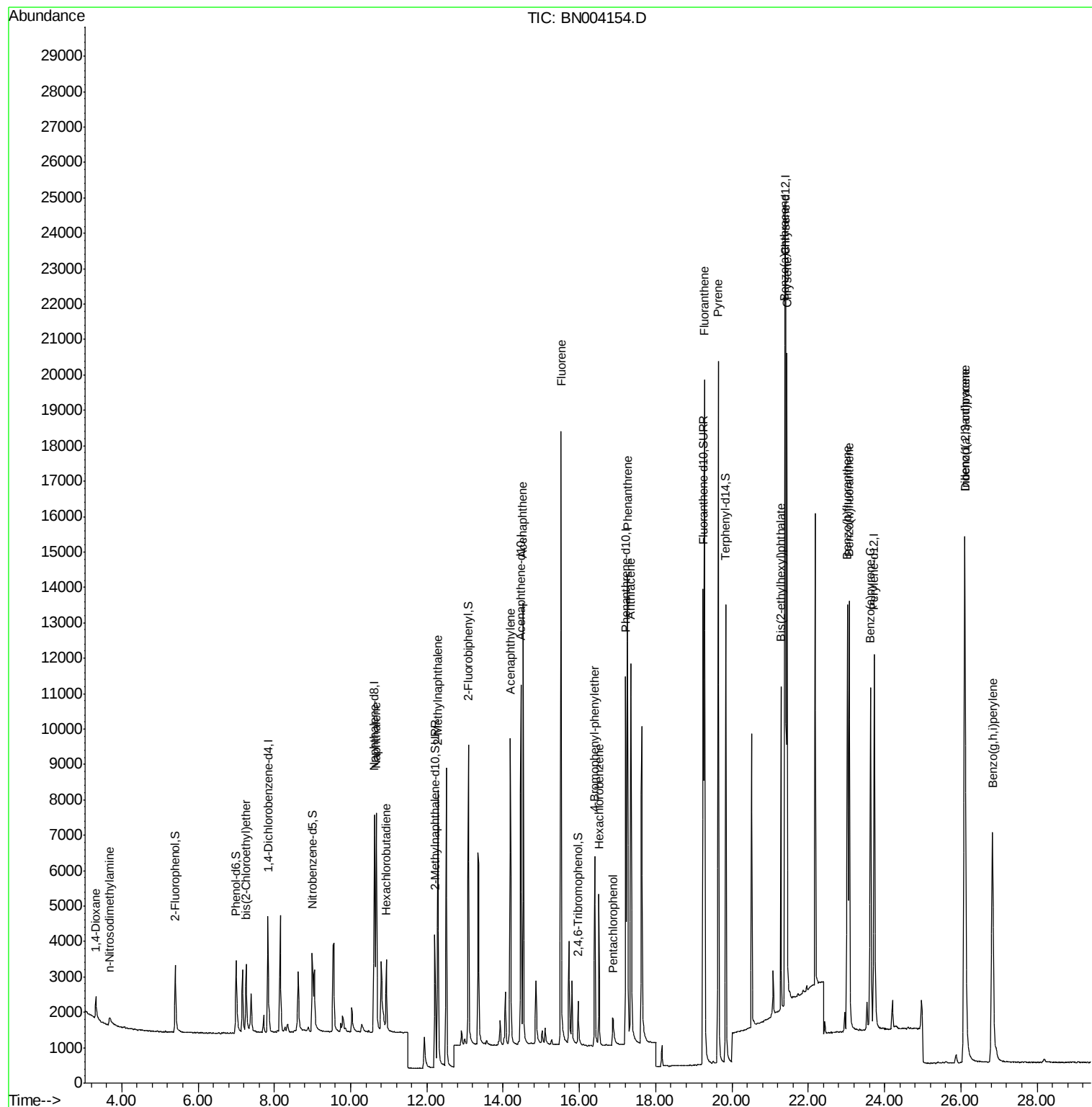
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	561	0.364	ng	96
3) n-Nitrosodimethylamine	3.69	42	306	0.374	ng	# 79
6) bis(2-Chloroethyl)ether	7.26	93	2018	0.386	ng	97
9) Naphthalene	10.67	128	9009	0.378	ng	97
10) Hexachlorobutadiene	10.93	225	1513	0.372	ng	# 99
12) 2-Methylnaphthalene	12.29	142	6572	0.381	ng	99
16) Acenaphthylene	14.19	152	10538	0.367	ng	100
17) Acenaphthene	14.52	154	7076	0.376	ng	98
18) Fluorene	15.51	166	8895	0.374	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	3183	0.371	ng	# 79
21) Hexachlorobenzene	16.52	284	3681	0.378	ng	95
22) Pentachlorophenol	16.88	266	652	0.365	ng	95
23) Phenanthrene	17.26	178	15486	0.370	ng	100
24) Anthracene	17.34	178	14114	0.366	ng	100
26) Fluoranthene	19.27	202	18392	0.370	ng	99
28) Pyrene	19.64	202	18926	0.376	ng	100
30) Benzo(a)anthracene	21.39	228	16493	0.370	ng	98
31) Chrysene	21.44	228	17238	0.378	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	9032	0.331	ng	99
33) Indeno(1,2,3-cd)pyrene	26.10	276	18528	0.381	ng	100
35) Benzo(b)fluoranthene	23.02	252	15902	0.370	ng	97
36) Benzo(k)fluoranthene	23.07	252	17431	0.385	ng	97
37) Benzo(a)pyrene	23.63	252	15278	0.375	ng	# 94
38) Dibenzo(a,h)anthracene	26.11	278	15546	0.382	ng	96
39) Benzo(g,h,i)perylene	26.83	276	15793	0.391	ng	96

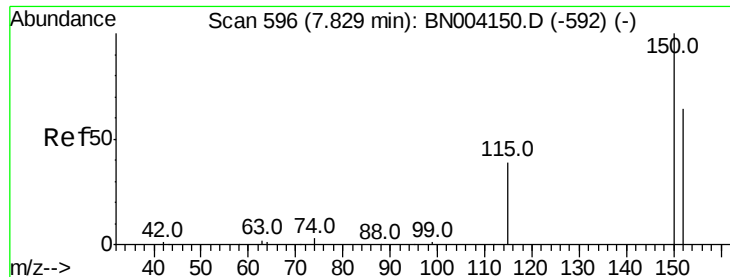
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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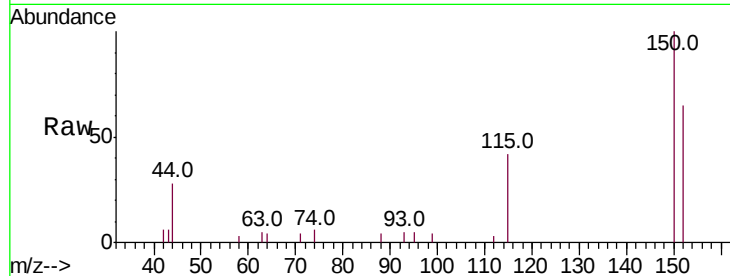


#1

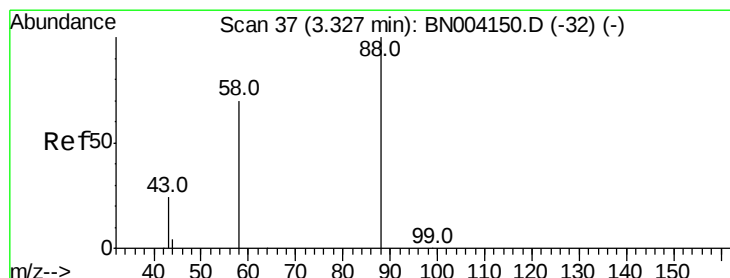
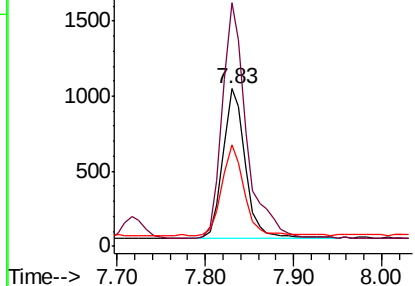
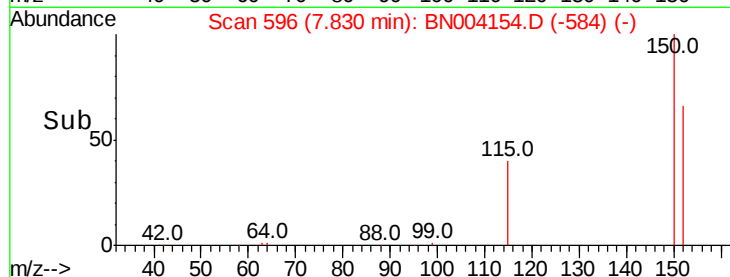
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.83 min Scan# 596
Delta R.T. 0.00 min
Lab File: BN004154.D
Acq: 20 Dec 2018 17:27

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 1751
Ion Ratio Lower Upper
152 100
150 154.5 124.6 187.0
115 64.6 46.4 69.6



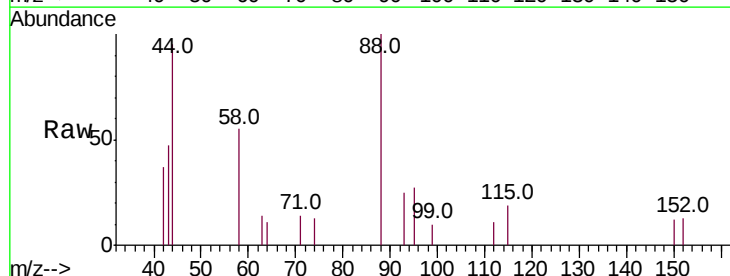
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



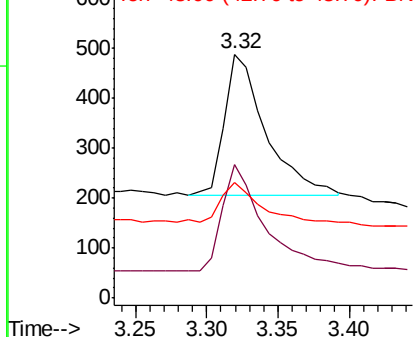
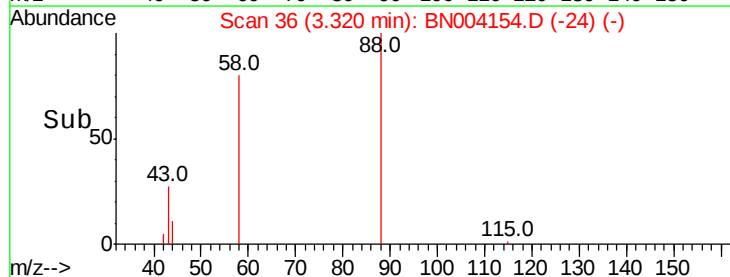
#2

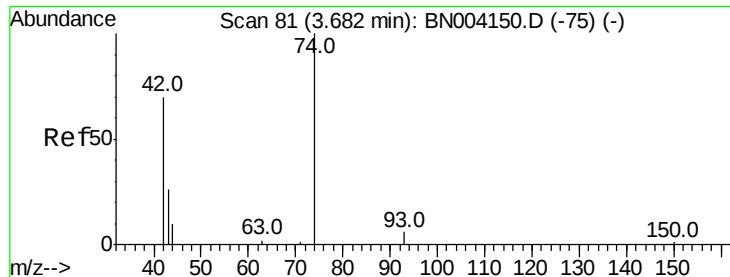
1,4-Dioxane
Concen: 0.364 ng
RT: 3.32 min Scan# 36
Delta R.T. -0.01 min
Lab File: BN004154.D
Acq: 20 Dec 2018 17:27

Tgt Ion: 88 Resp: 561
Ion Ratio Lower Upper
88 100
58 79.5 60.9 91.3
43 27.1 23.9 35.9



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



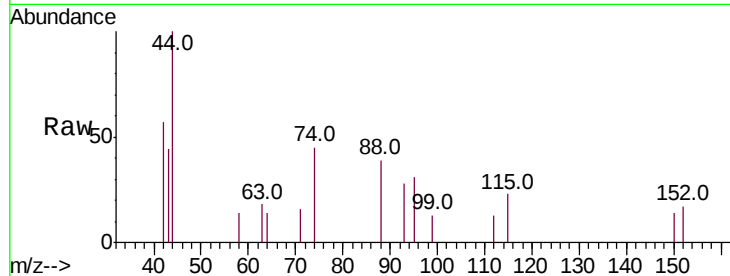


#3

n-Nitrosodimethylamine
 Concen: 0.374 ng
 RT: 3.69 min Scan# 82
 Delta R.T. 0.01 min
 Lab File: BN004154.D
 Acq: 20 Dec 2018 17:27

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
74	148.0	99.1	148.7
44	0.0	4.2	6.4#

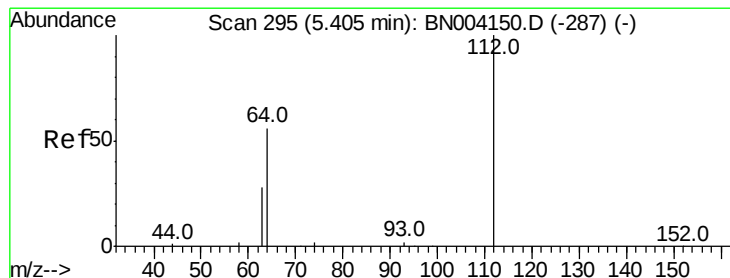
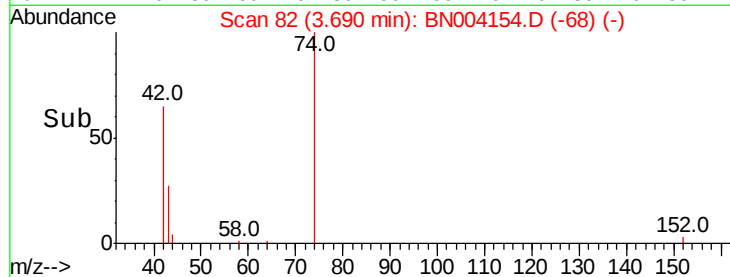
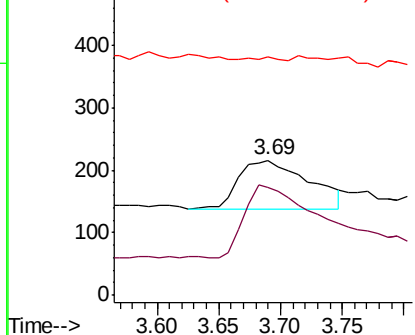


Abundance

Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

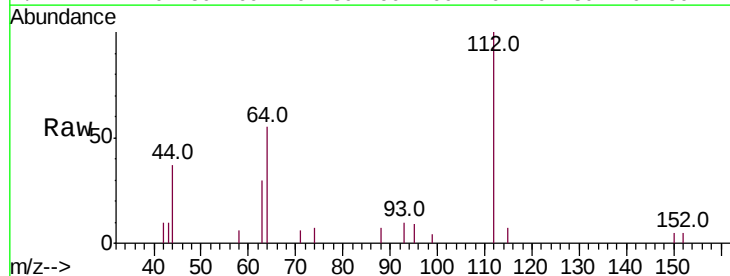
Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol
 Concen: 0.398 ng
 RT: 5.41 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: BN004154.D
 Acq: 20 Dec 2018 17:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.3	66.5
63	27.2	22.4	33.6

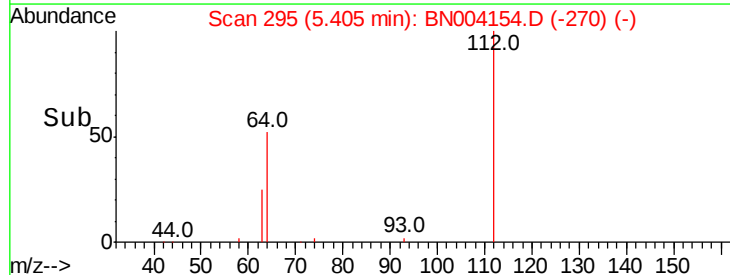
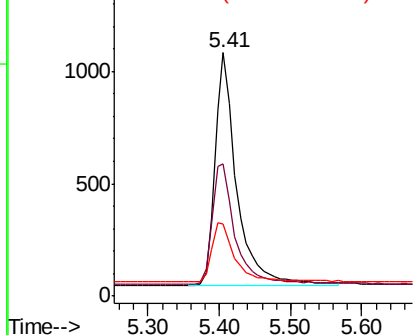


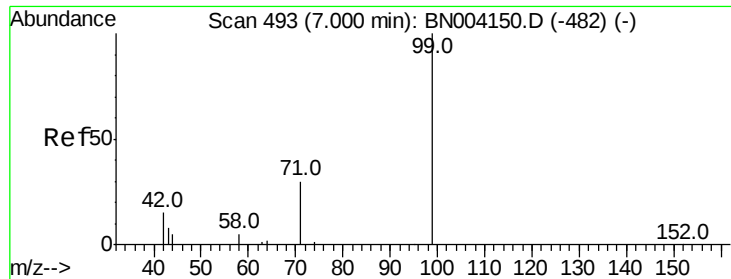
Abundance

Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.386 ng

RT: 7.00 min Scan# 493

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Instrument :

BNA_N

ClientSampleId :

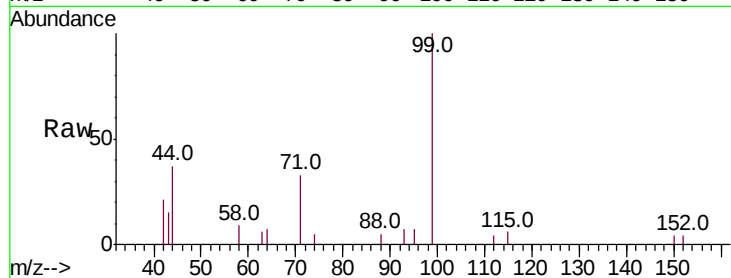
Tot Ion: 99 Resp: 2800

Ion Ratio Lower Upper

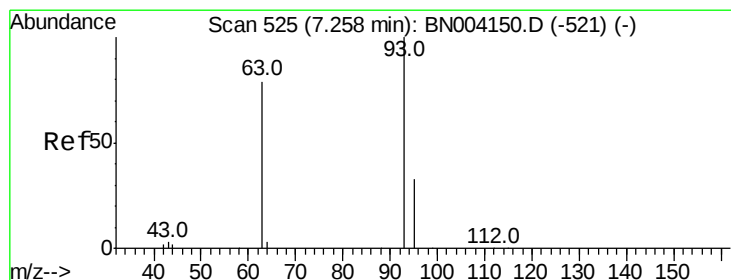
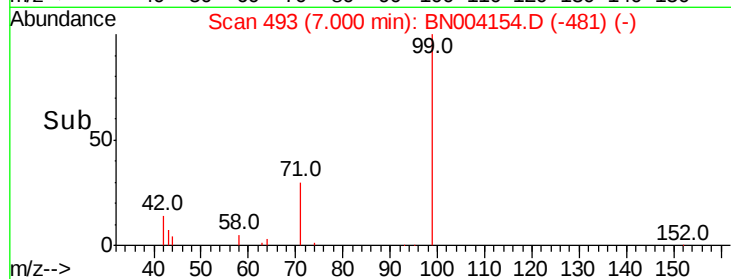
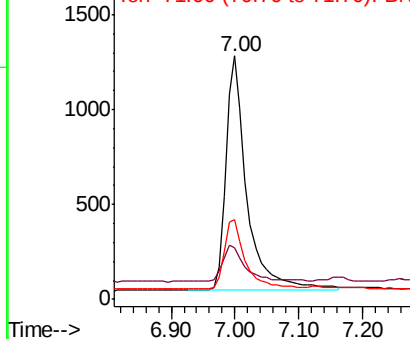
99 100

42 16.9 14.8 22.2

71 29.8 24.8 37.2



Abundance Ion 99.00 (98.70 to 99.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.386 ng

RT: 7.26 min Scan# 525

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

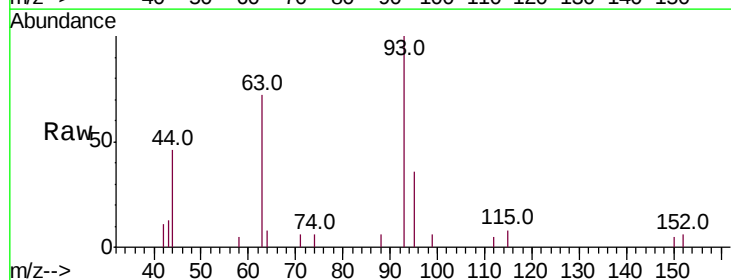
Tgt Ion: 93 Resp: 2018

Ion Ratio Lower Upper

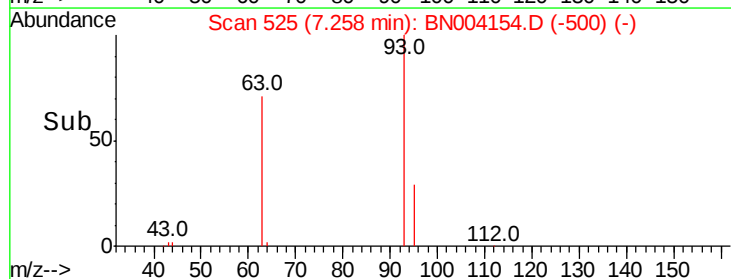
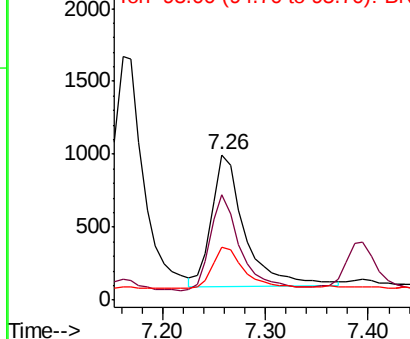
93 100

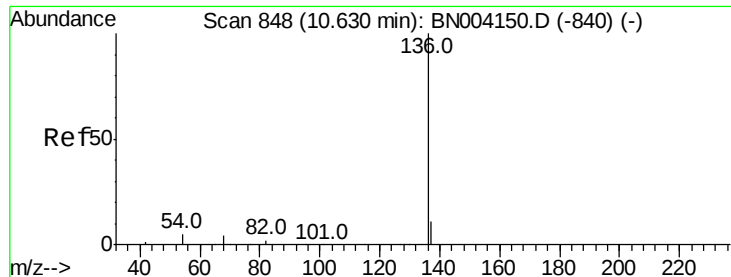
63 66.6 55.8 83.6

95 30.5 25.4 38.2



Abundance Ion 93.00 (92.70 to 93.70): BNC
Ion 63.00 (62.70 to 63.70): BNC
Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.62 min Scan# 847

Delta R.T. -0.01 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 9602

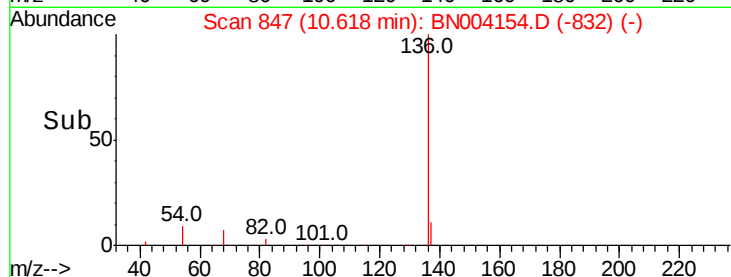
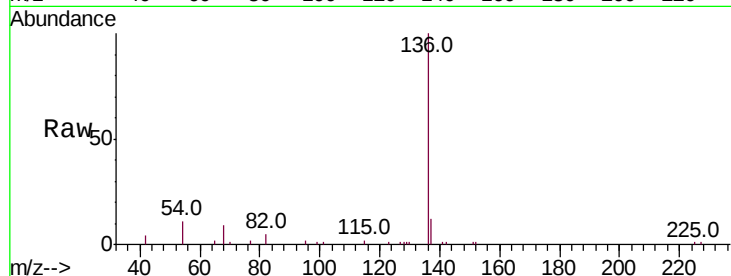
Ion Ratio Lower Upper

136 100

137 11.8 9.0 13.4

54 10.6 4.1 6.1#

68 8.7 3.5 5.3#

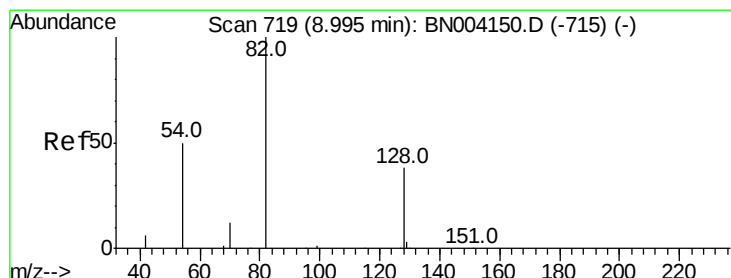
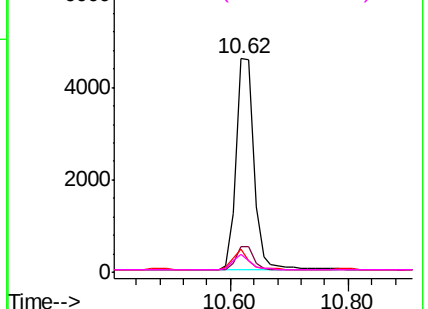


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.365 ng

RT: 9.00 min Scan# 719

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

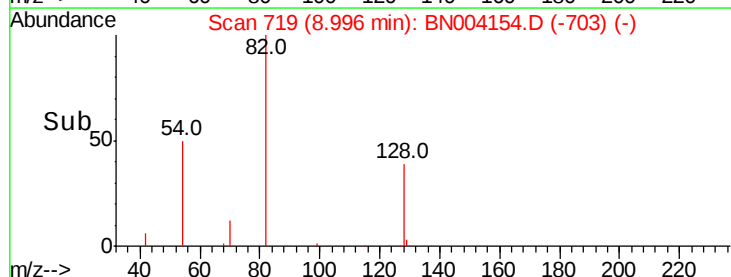
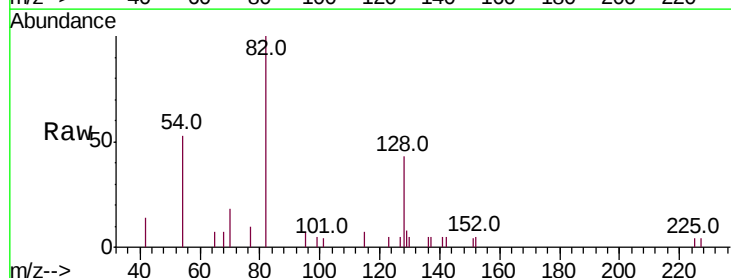
Tgt Ion: 82 Resp: 2259

Ion Ratio Lower Upper

82 100

128 42.7 28.9 43.3

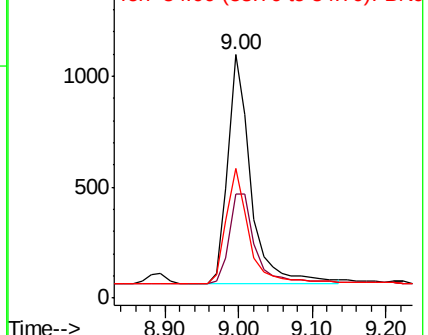
54 53.2 46.1 69.1

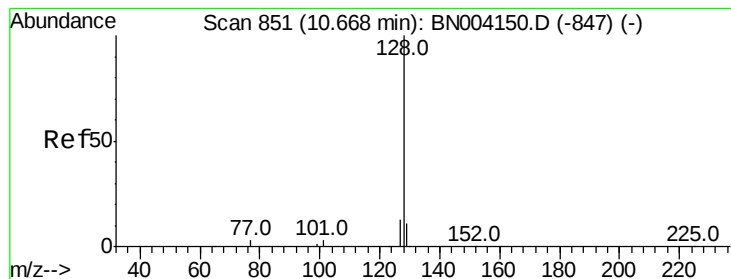


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.378 ng

RT: 10.67 min Scan# 851

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Instrument :

BNA_N

ClientSampleId :

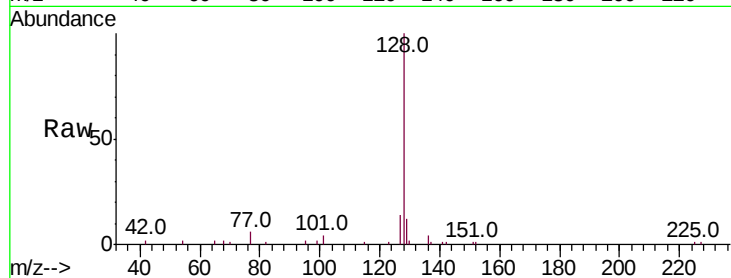
Tot Ion:128 Resp: 9009

Ion Ratio Lower Upper

128 100

129 12.3 9.1 13.7

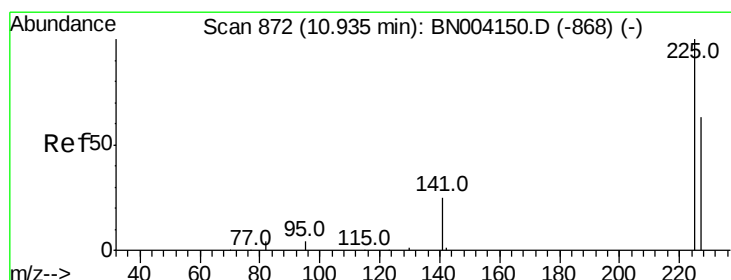
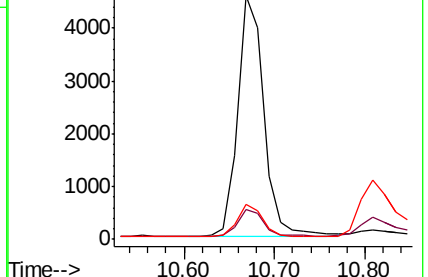
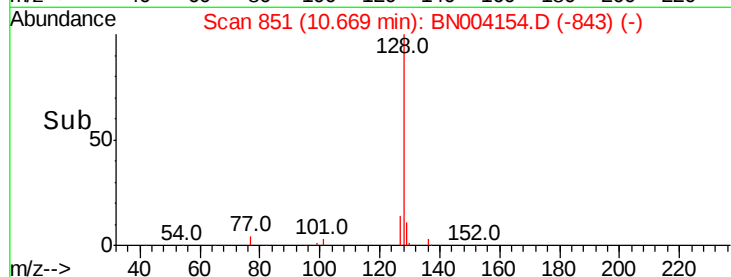
127 14.5 10.2 15.4



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: 0.372 ng

RT: 10.93 min Scan# 872

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

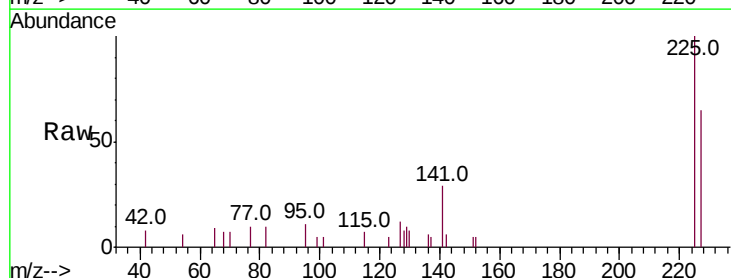
Tgt Ion:225 Resp: 1513

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

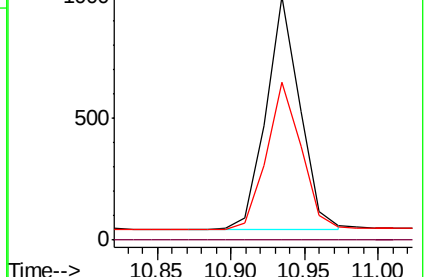
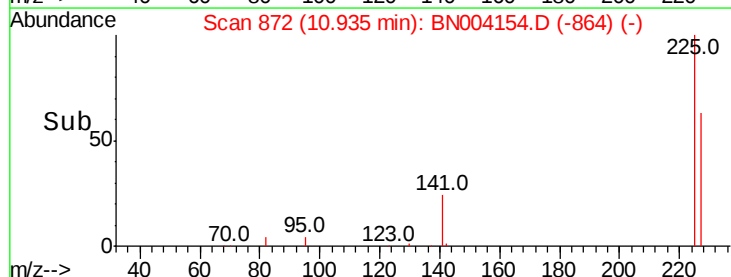
227 64.9 51.3 76.9

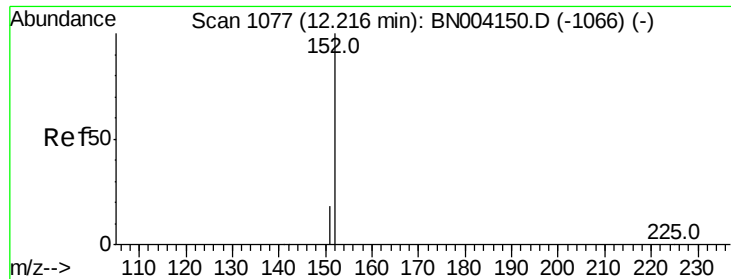


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

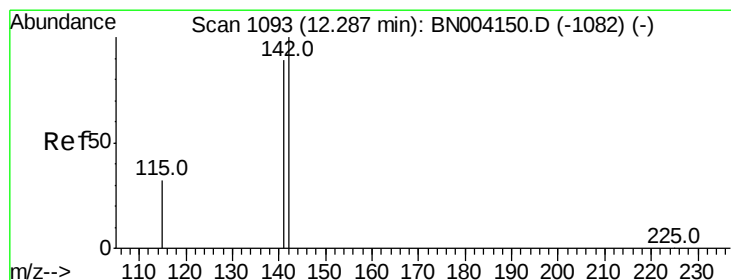
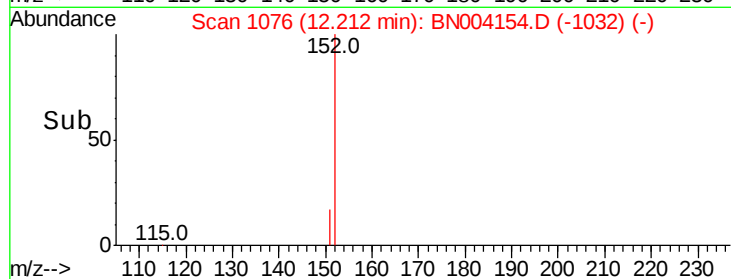
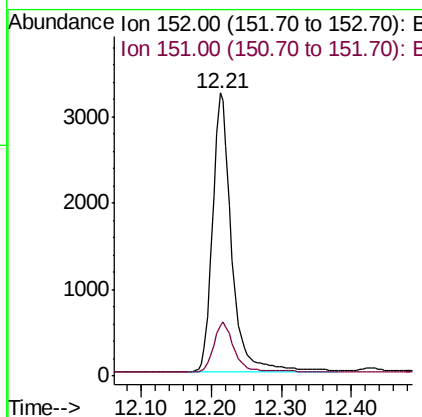
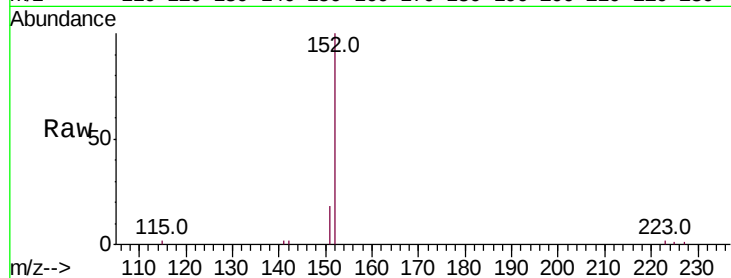




#11
 2-Methylnaphthalene-d10
 Concen: 0.379 ng
 RT: 12.21 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: BN004154.D
 Acq: 20 Dec 2018 17:27

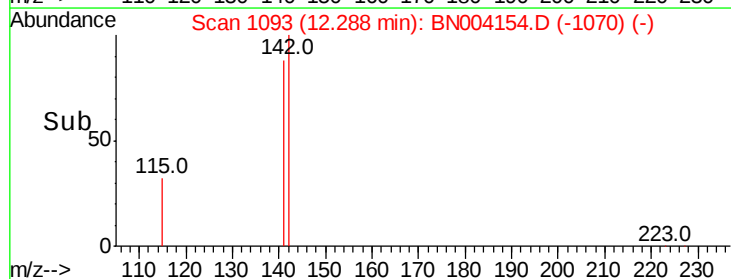
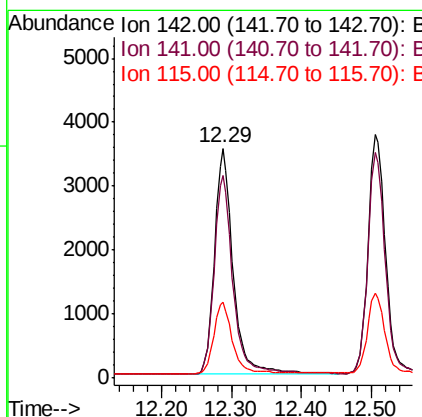
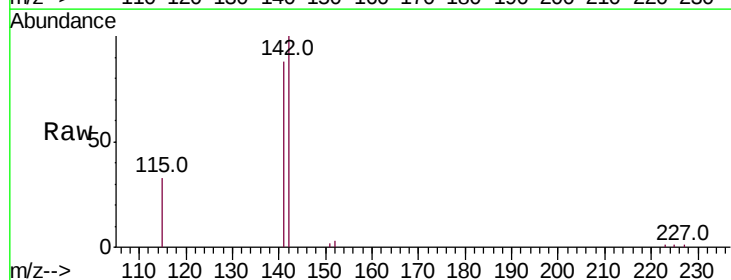
Instrument :
 BNA_N
 ClientSampleId :

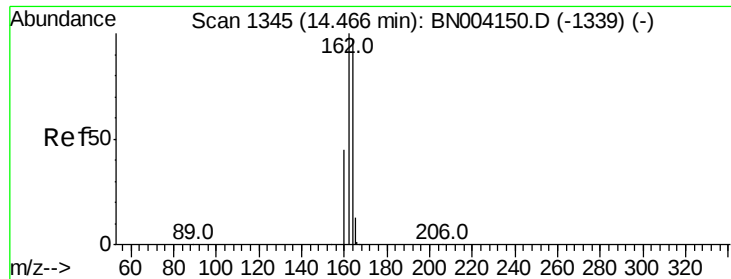
Tot Ion:152 Resp: 6122
 Ion Ratio Lower Upper
 152 100
 151 19.3 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.381 ng
 RT: 12.29 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: BN004154.D
 Acq: 20 Dec 2018 17:27

Tgt Ion:142 Resp: 6572
 Ion Ratio Lower Upper
 142 100
 141 88.5 71.9 107.9
 115 33.0 27.0 40.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Instrument :

BNA_N

ClientSampled :

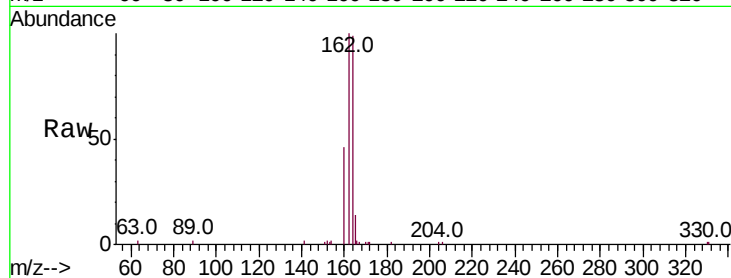
Tot Ion:164 Resp: 6111

Ion Ratio Lower Upper

164 100

162 101.2 81.8 122.6

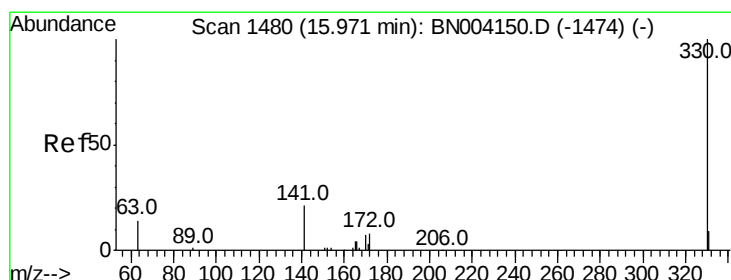
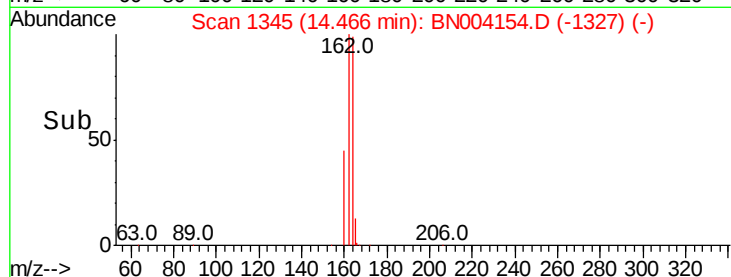
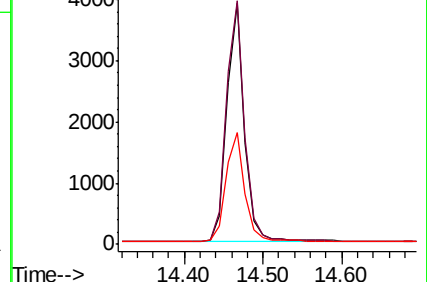
160 46.3 37.2 55.8



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: 0.368 ng

RT: 15.97 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

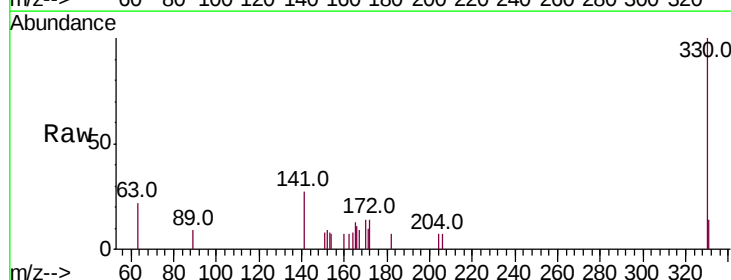
Tgt Ion:330 Resp: 1346

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

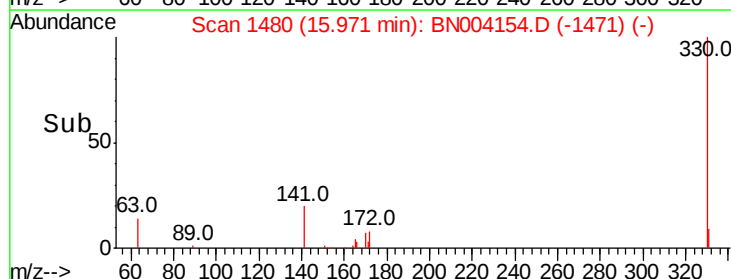
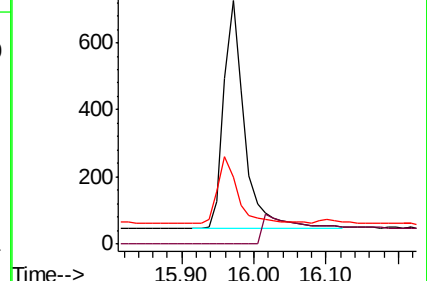
141 28.7 28.3 42.5

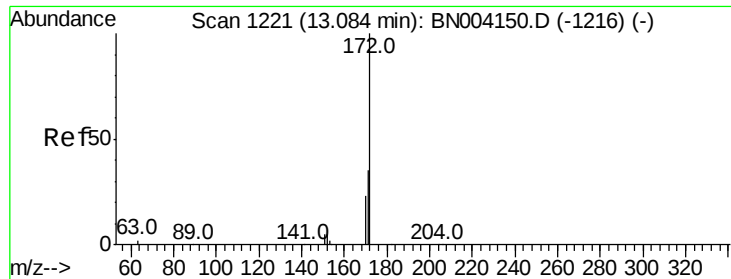


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

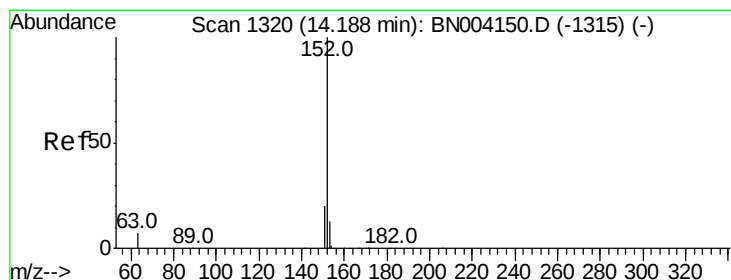
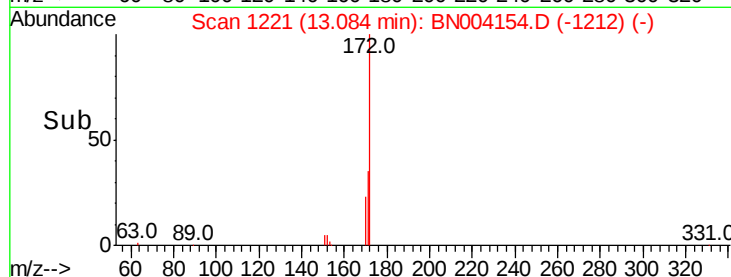
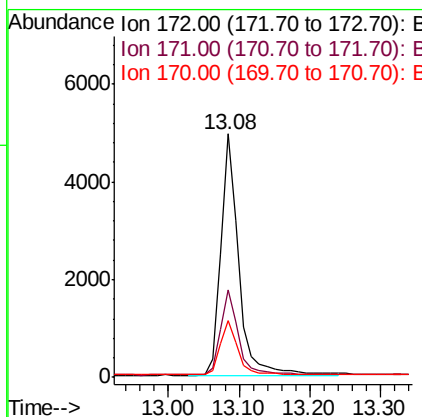
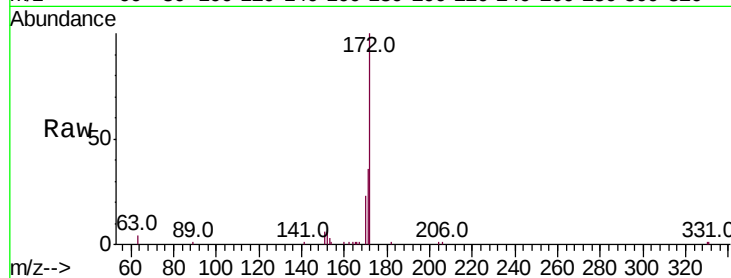




#15
2-Fluorobiphenyl
Concen: 0.362 ng
RT: 13.08 min Scan# 1221
Delta R.T. 0.00 min
Lab File: BN004154.D
Acq: 20 Dec 2018 17:27

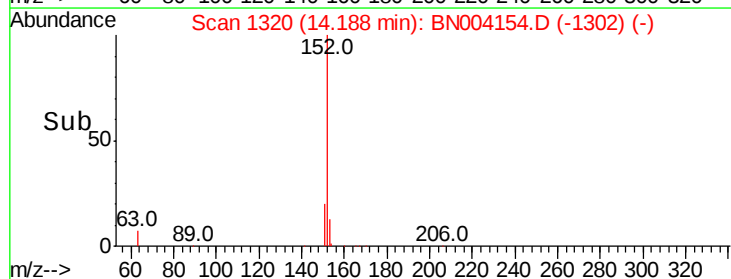
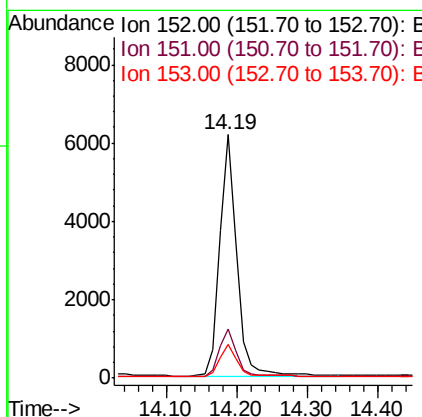
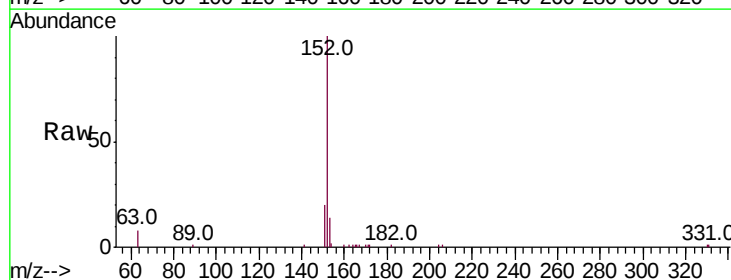
Instrument :
BNA_N
ClientSampleId :

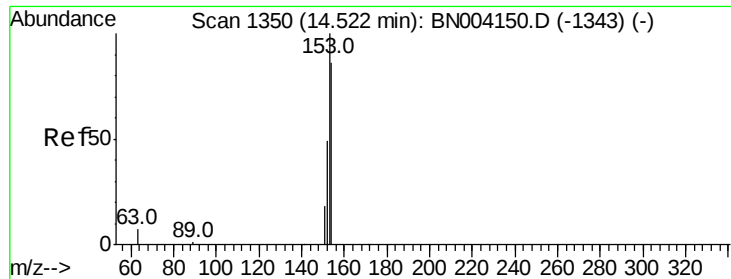
Tot Ion:172 Resp: 8825
Ion Ratio Lower Upper
172 100
171 35.8 27.1 40.7
170 23.5 17.4 26.0



#16
Acenaphthylene
Concen: 0.367 ng
RT: 14.19 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BN004154.D
Acq: 20 Dec 2018 17:27

Tgt Ion:152 Resp: 10538
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.1 10.6 15.8





#17

Acenaphthene

Concen: 0.376 ng

RT: 14.52 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Instrument :

BNA_N

ClientSampleId :

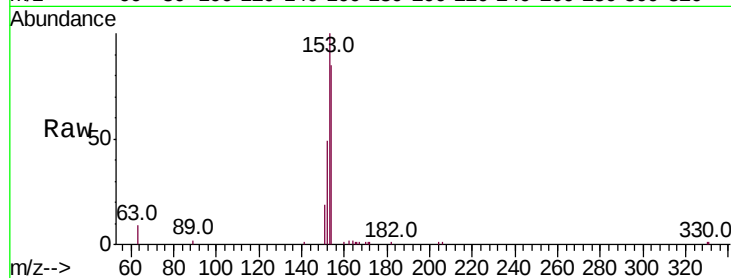
Tot Ion:154 Resp: 7076

Ion Ratio Lower Upper

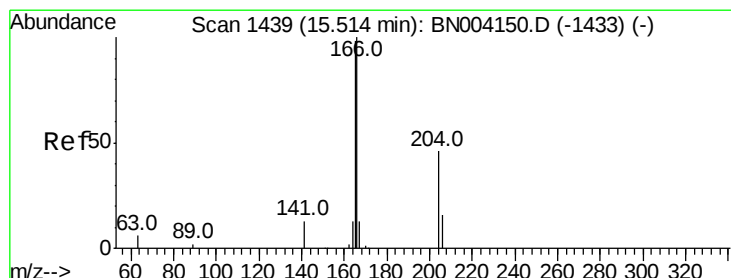
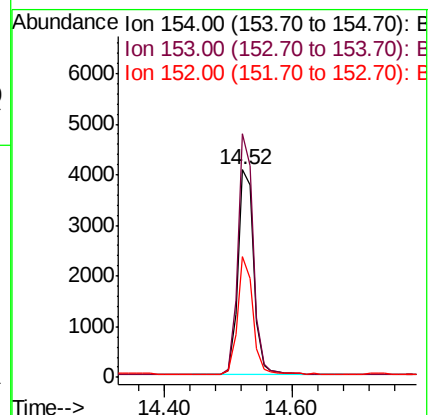
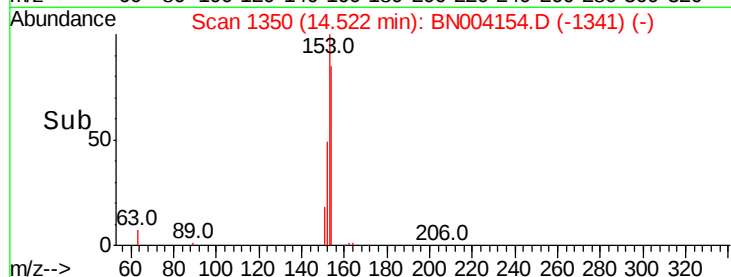
154 100

153 114.2 88.9 133.3

152 54.7 43.5 65.3



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: 0.374 ng

RT: 15.51 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

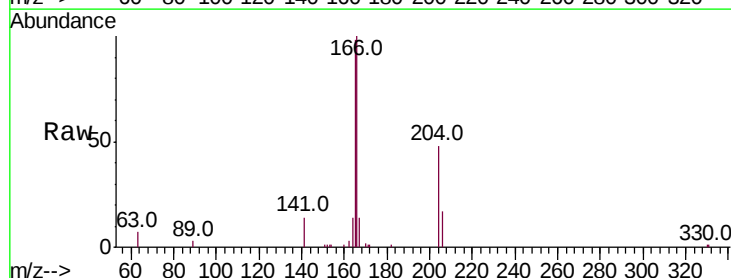
Tgt Ion:166 Resp: 8895

Ion Ratio Lower Upper

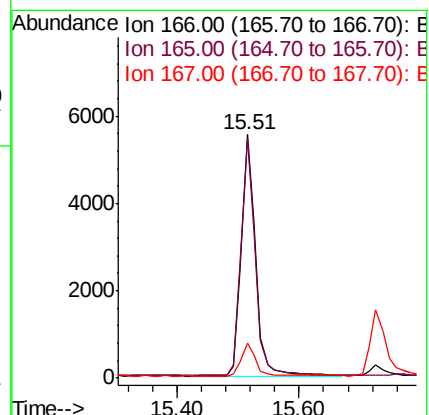
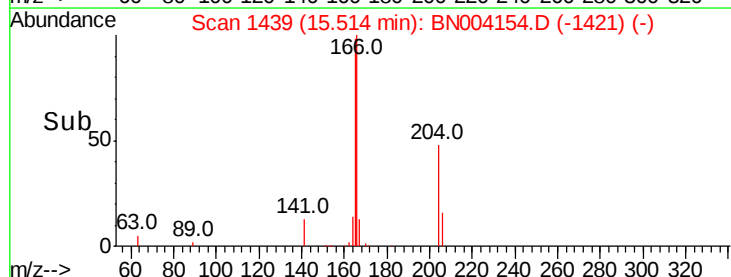
166 100

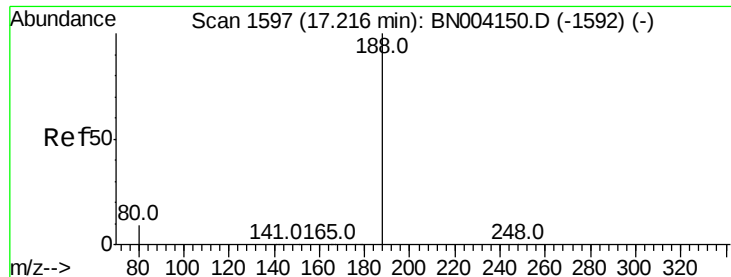
165 98.2 77.8 116.8

167 13.6 10.9 16.3



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: 17.22 min Scan# 1597

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Instrument :

BNA_N

ClientSampleId :

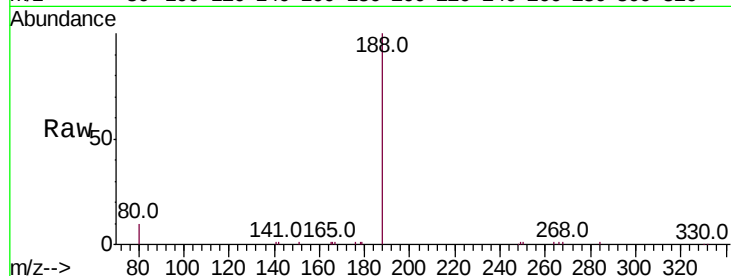
Tot Ion:188 Resp: 15474

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

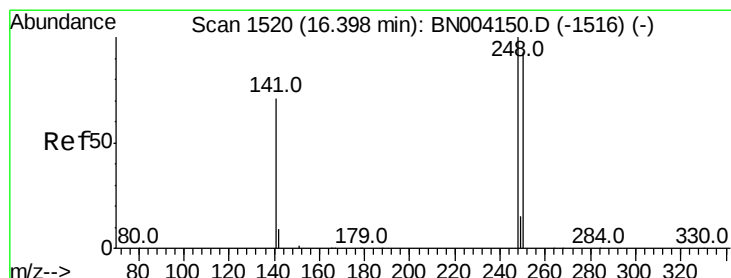
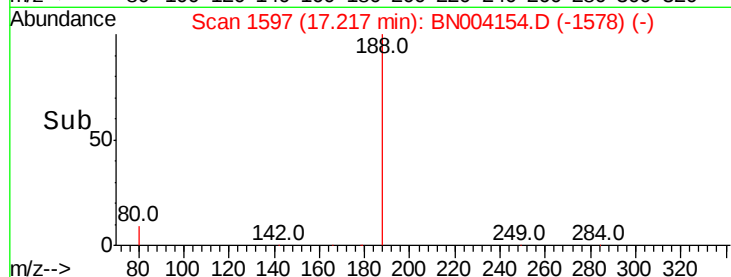
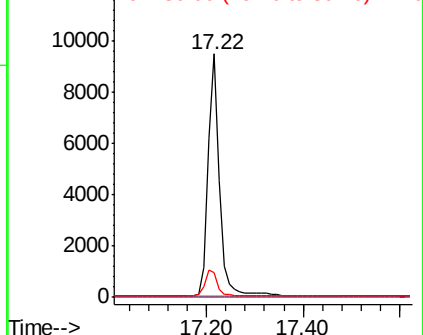
80 10.0 8.6 12.8



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: 0.371 ng

RT: 16.40 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

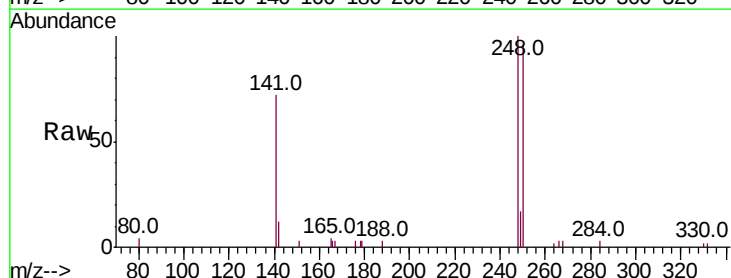
Tgt Ion:248 Resp: 3183

Ion Ratio Lower Upper

248 100

250 95.5 83.7 125.5

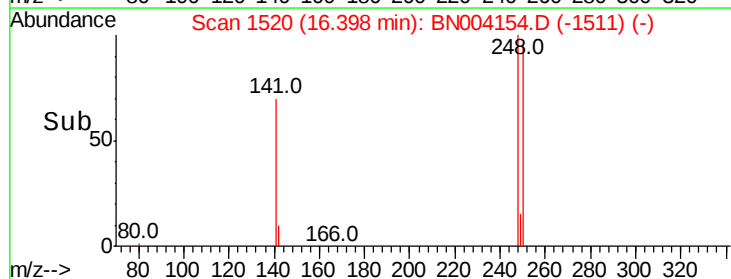
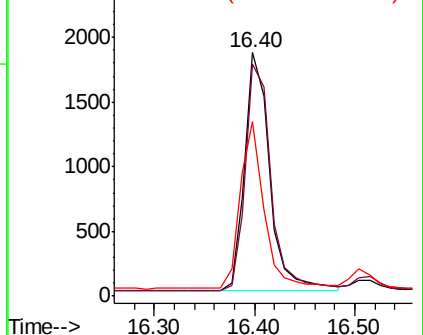
141 71.6 31.4 47.0#

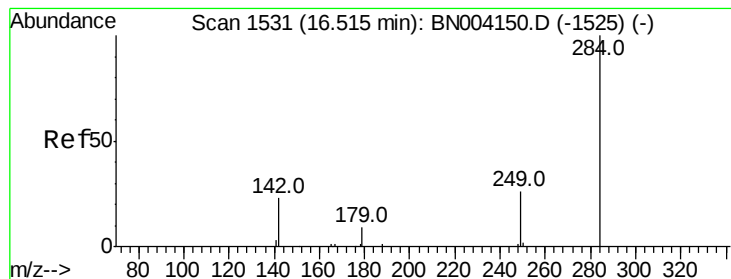


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.378 ng

RT: 16.52 min Scan# 1531

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Instrument :

BNA_N

ClientSampleId :

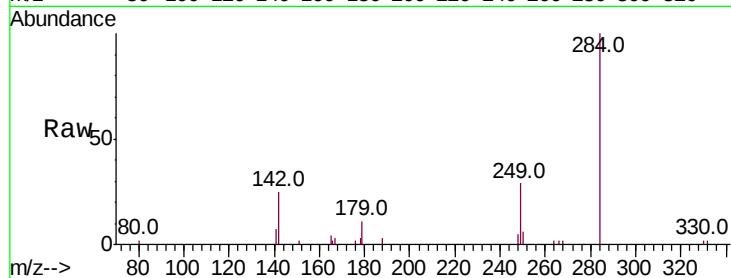
Tot Ion:284 Resp: 3681

Ion Ratio Lower Upper

284 100

142 32.8 29.7 44.5

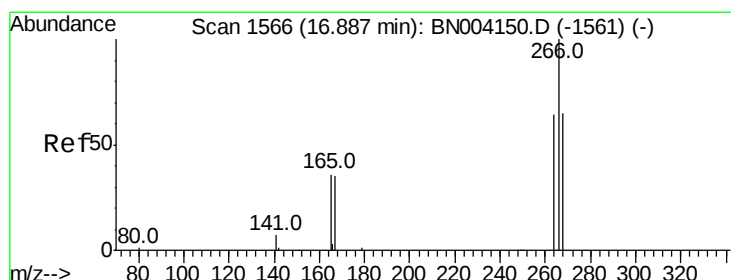
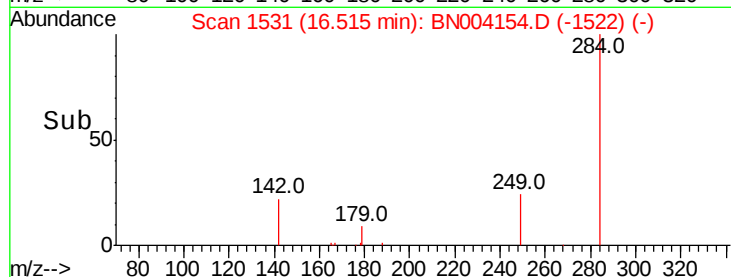
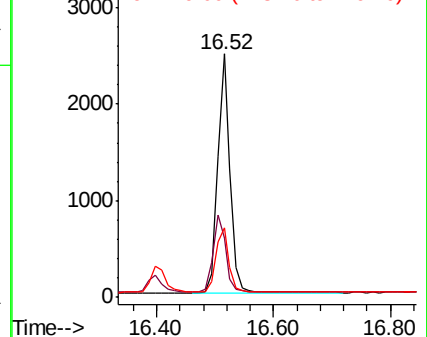
249 28.7 24.0 36.0



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: 0.365 ng

RT: 16.88 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

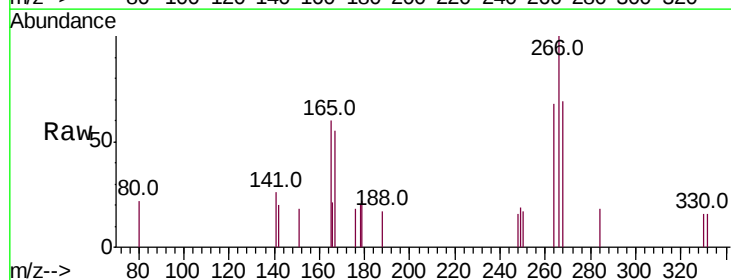
Tgt Ion:266 Resp: 652

Ion Ratio Lower Upper

266 100

264 68.3 52.1 78.1

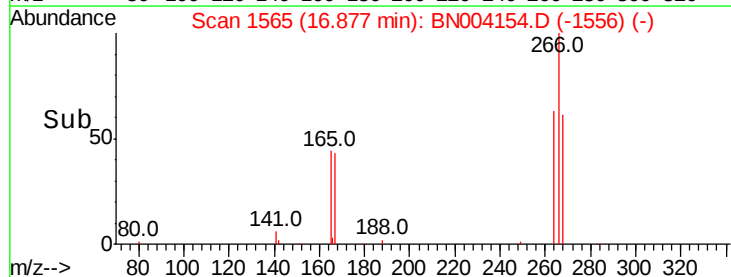
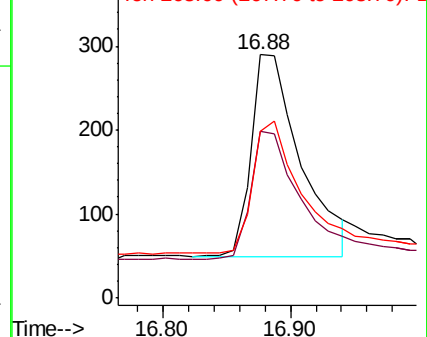
268 68.6 51.8 77.6

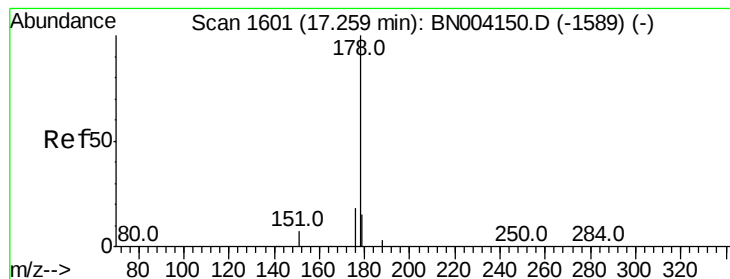


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.370 ng

RT: 17.26 min Scan# 1601

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Instrument :

BNA_N

ClientSampleId :

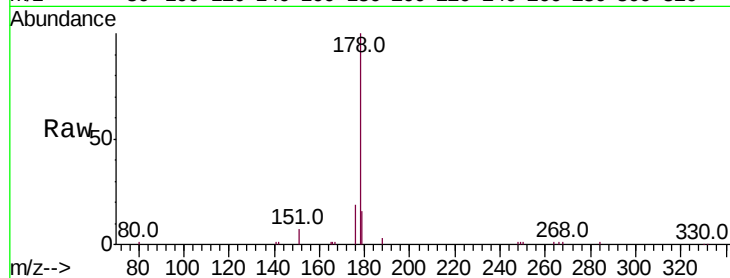
Tot Ion:178 Resp: 15486

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

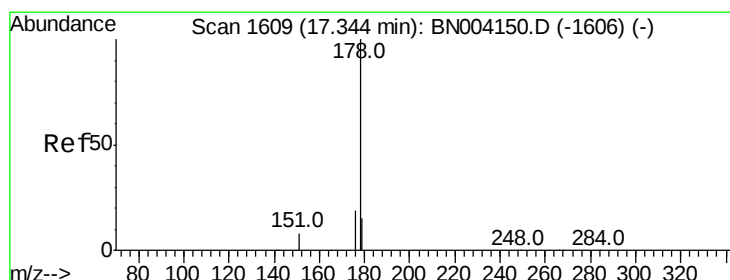
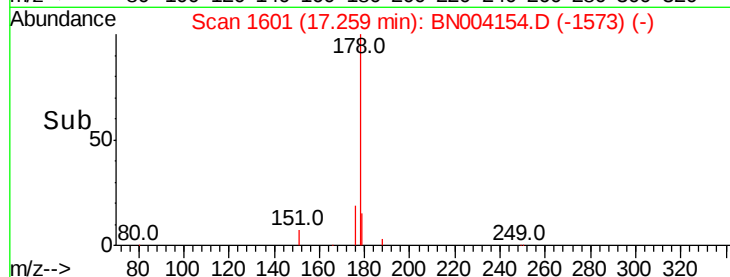
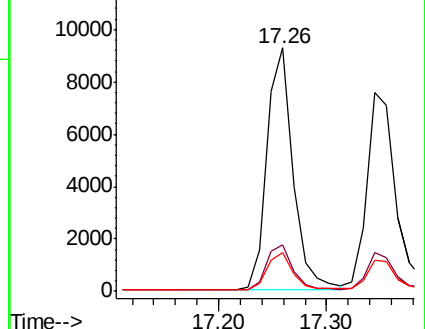
179 15.4 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.366 ng

RT: 17.34 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

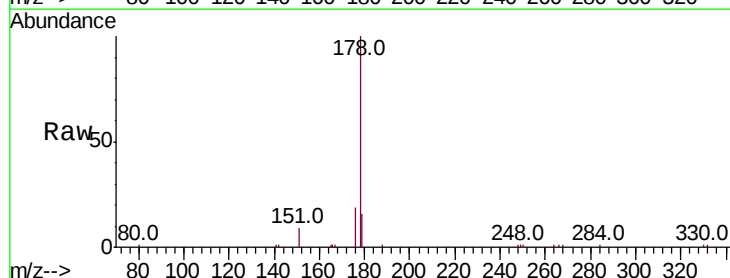
Tgt Ion:178 Resp: 14114

Ion Ratio Lower Upper

178 100

176 18.3 14.5 21.7

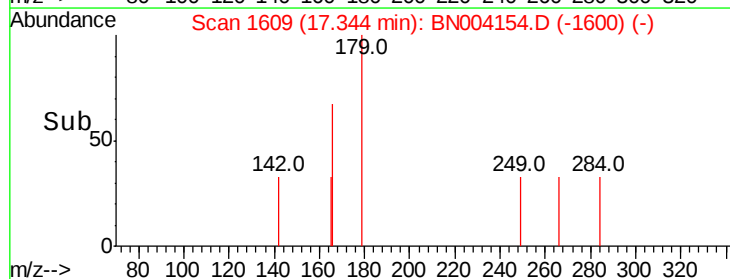
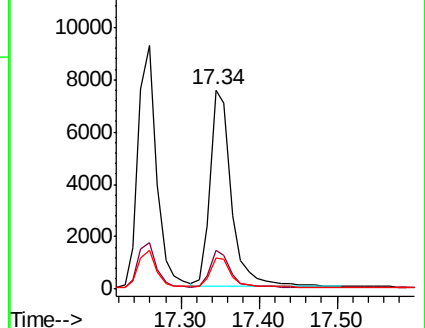
179 15.2 12.2 18.4

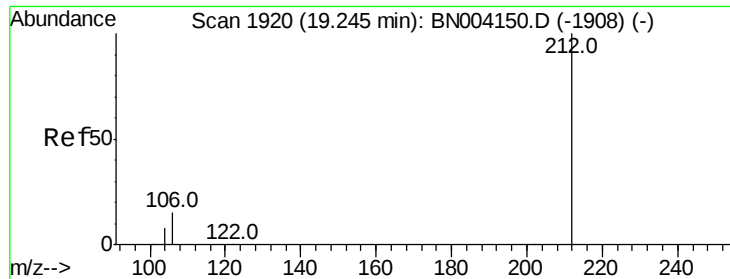


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.370 ng

RT: 19.25 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Instrument :

BNA_N

ClientSampleId :

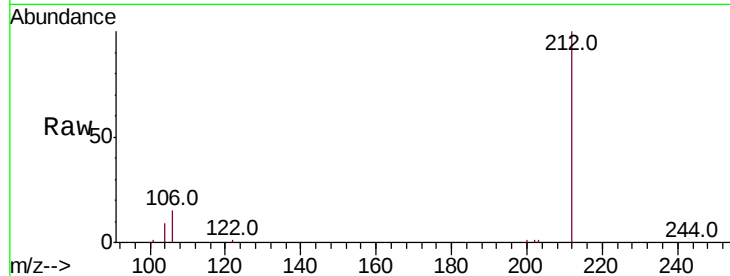
Tot Ion:212 Resp: 16854

Ion Ratio Lower Upper

212 100

106 14.6 10.3 15.5

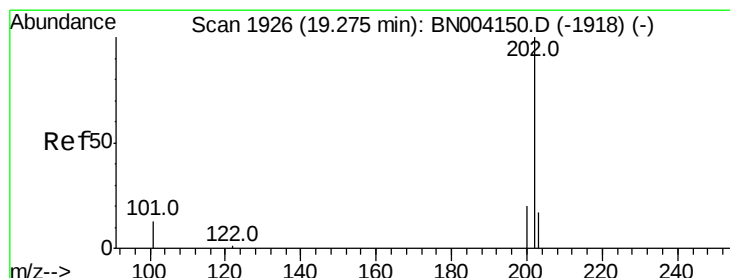
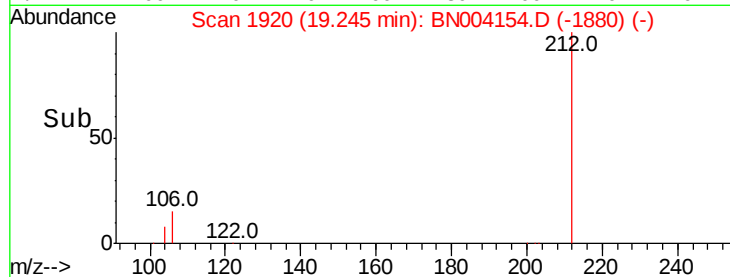
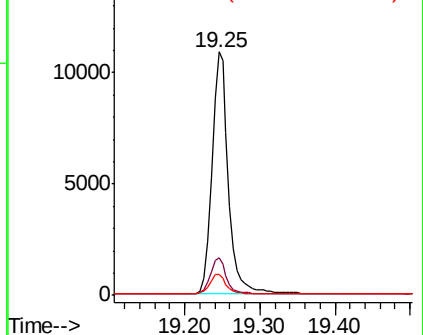
104 8.0 5.6 8.4



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: 0.370 ng

RT: 19.27 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

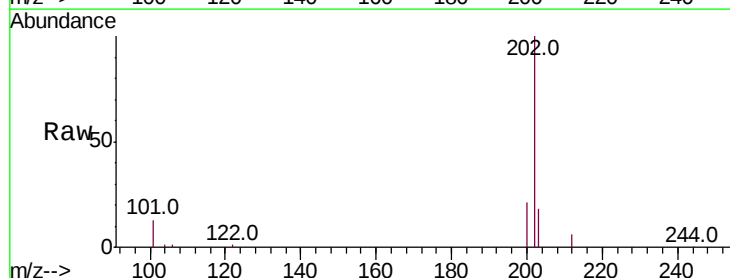
Tgt Ion:202 Resp: 18392

Ion Ratio Lower Upper

202 100

101 12.3 9.0 13.4

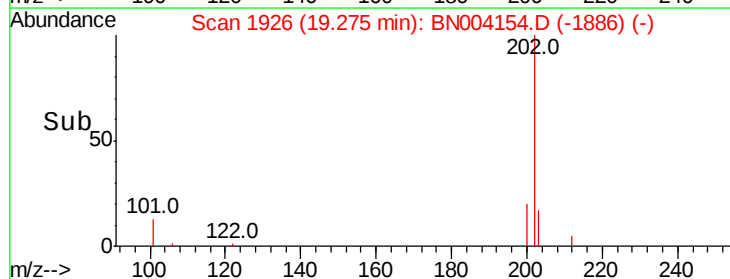
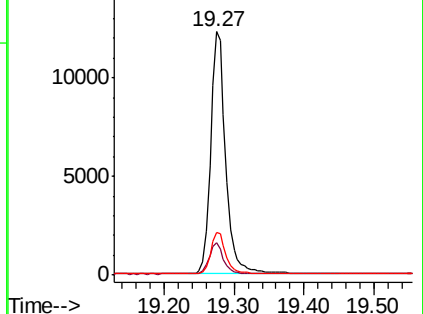
203 17.0 13.8 20.6

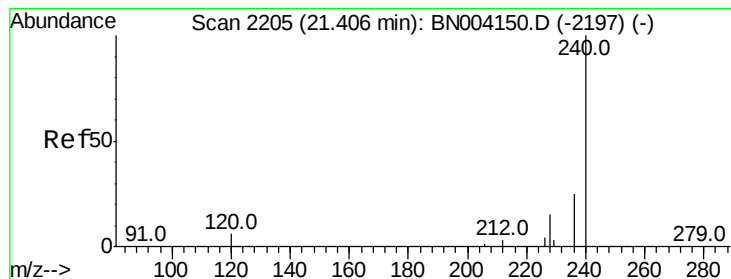


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.41 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Instrument :

BNA_N

ClientSampleId :

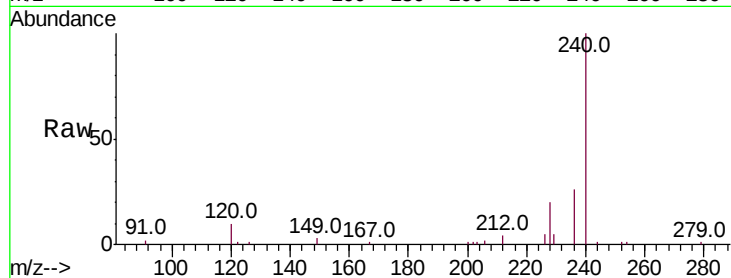
Tot Ion:240 Resp: 16053

Ion Ratio Lower Upper

240 100

120 9.5 9.3 13.9

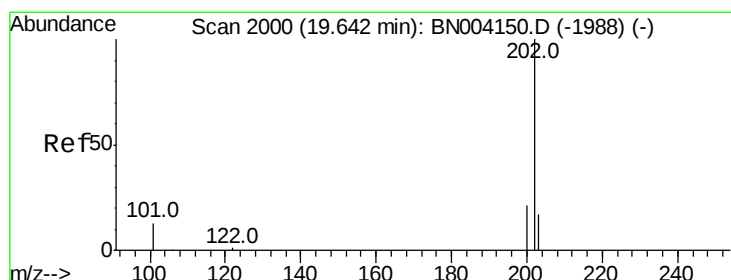
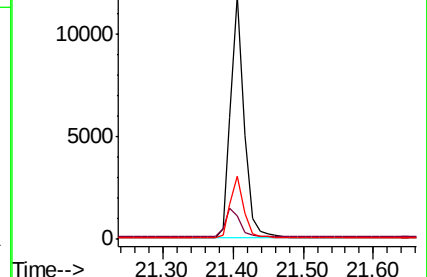
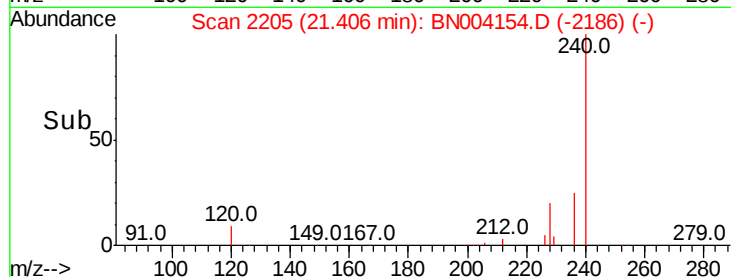
236 25.8 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.376 ng

RT: 19.64 min Scan# 2000

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

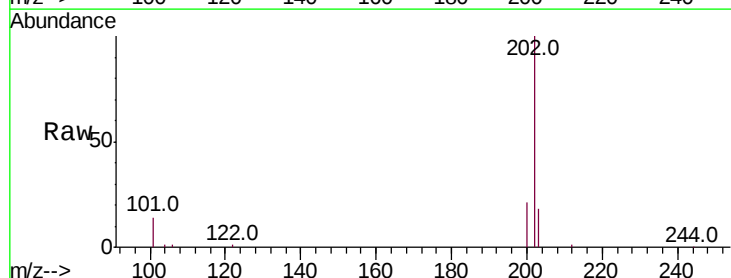
Tgt Ion:202 Resp: 18926

Ion Ratio Lower Upper

202 100

200 20.4 16.5 24.7

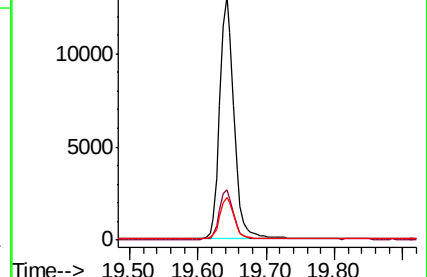
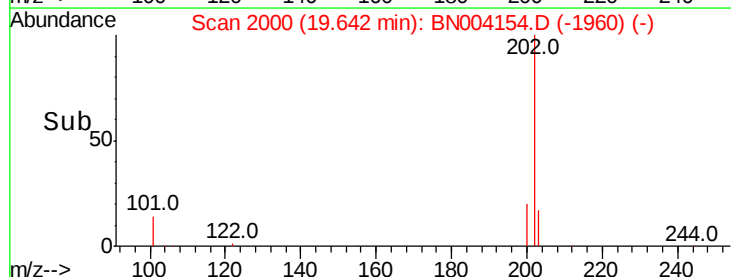
203 17.5 13.9 20.9

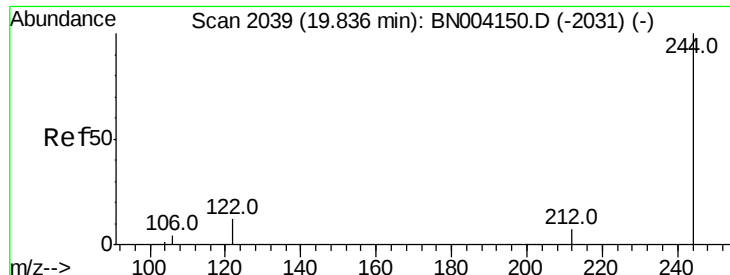


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.367 ng

RT: 19.84 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Instrument :

BNA_N

ClientSampleId :

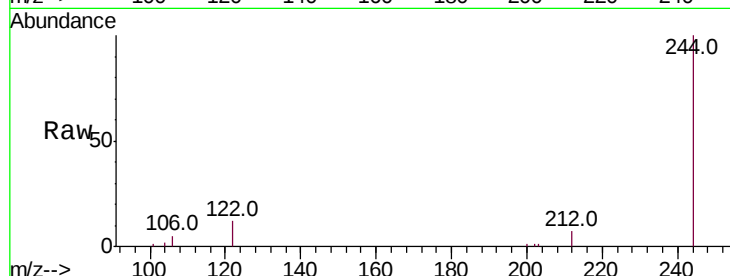
Tot Ion:244 Resp: 14587

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

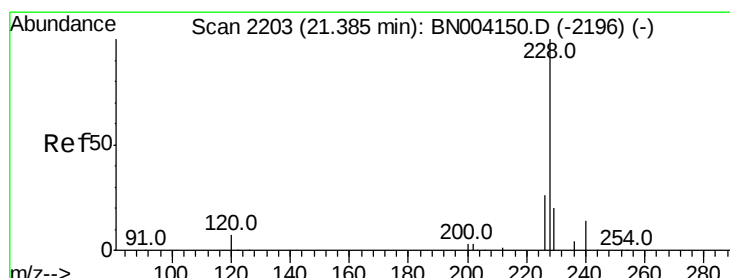
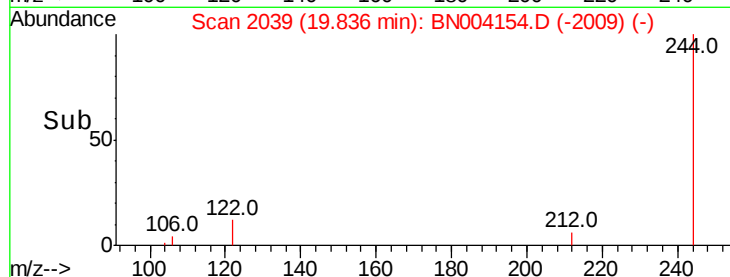
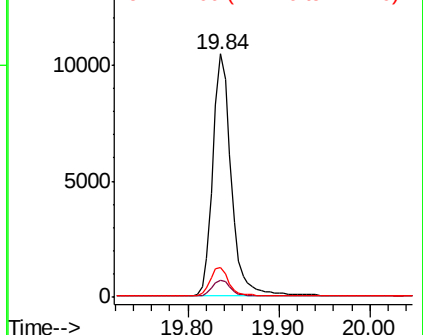
122 12.4 8.5 12.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.370 ng

RT: 21.39 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

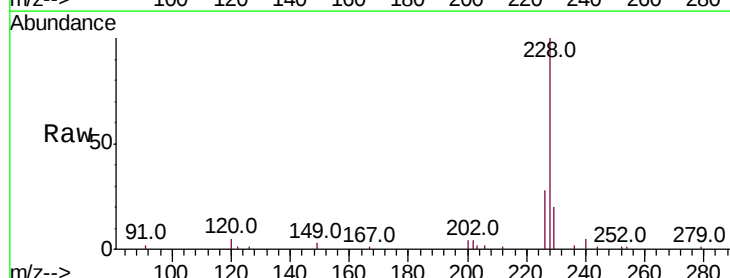
Tgt Ion:228 Resp: 16493

Ion Ratio Lower Upper

228 100

226 27.7 20.8 31.2

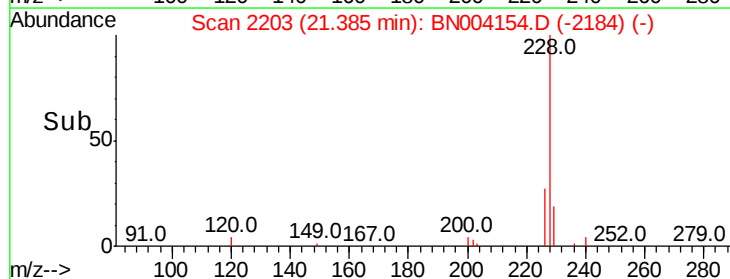
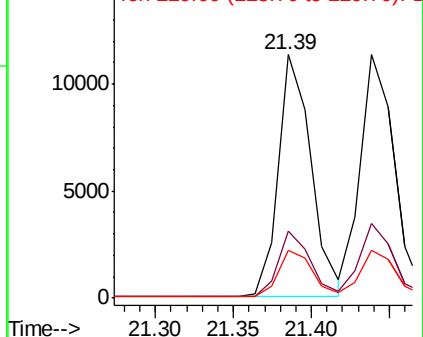
229 19.7 16.1 24.1

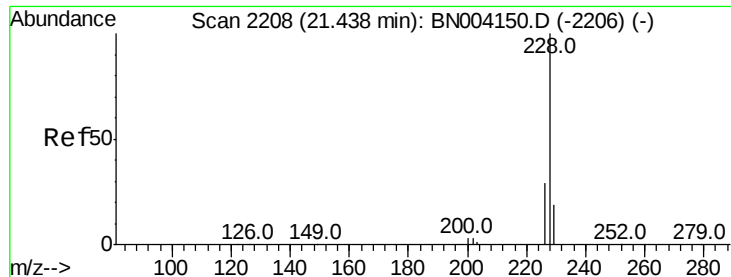


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.378 ng

RT: 21.44 min Scan# 2208

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

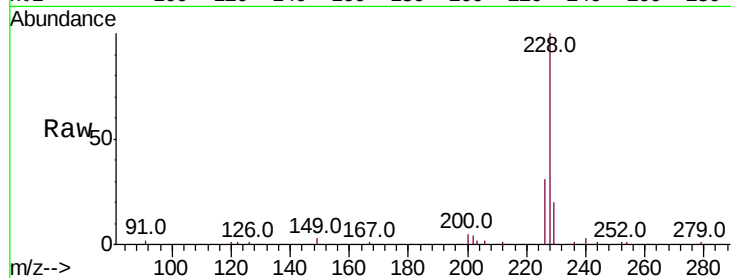
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 17238

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.7	34.1
229	19.7	16.0	24.0

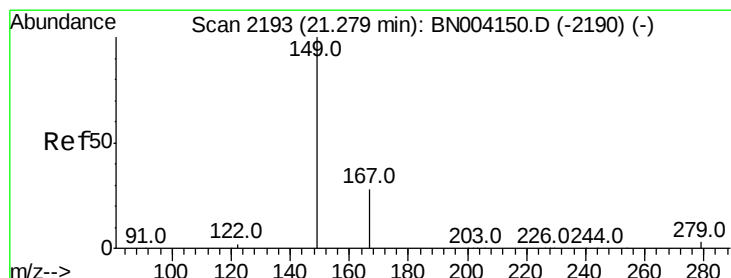
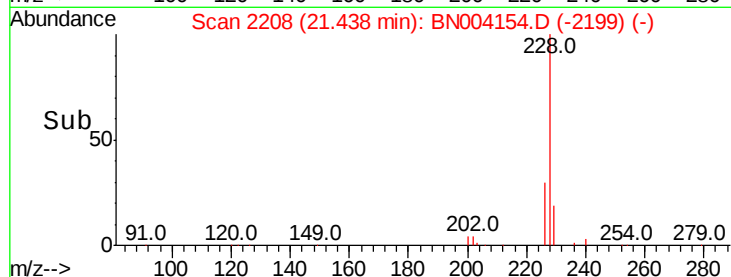
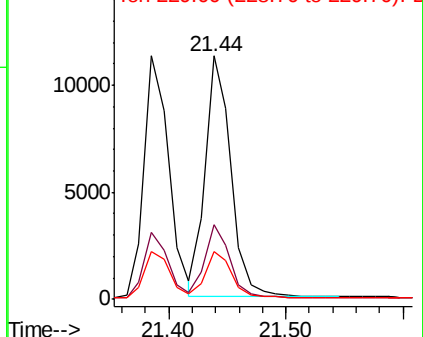


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.331 ng

RT: 21.29 min Scan# 2194

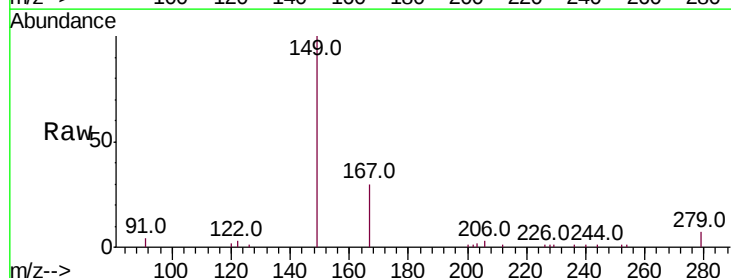
Delta R.T. 0.01 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Tgt Ion:149 Resp: 9032

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.4	33.6
279	5.3	3.9	5.9

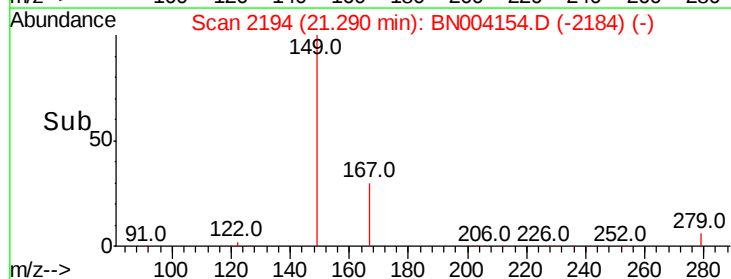
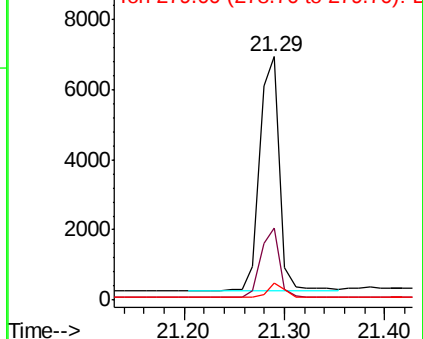


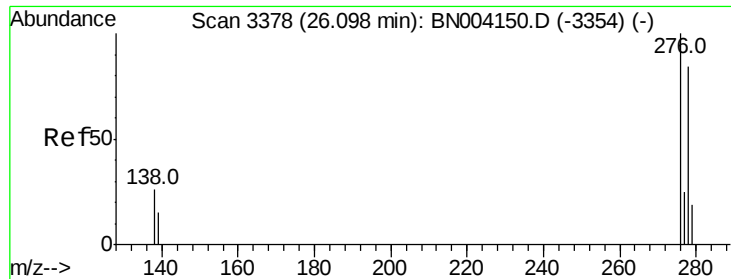
Abundance

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: 0.381 ng

RT: 26.10 min Scan# 3379

Delta R.T. 0.00 min

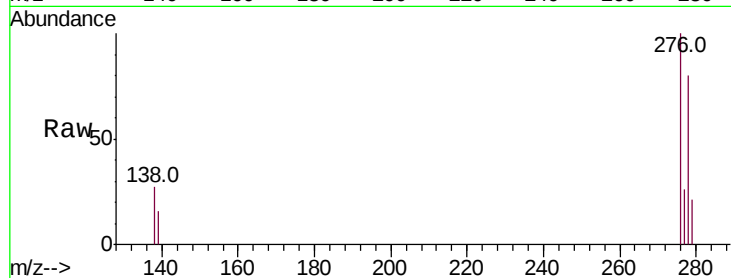
Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 18528

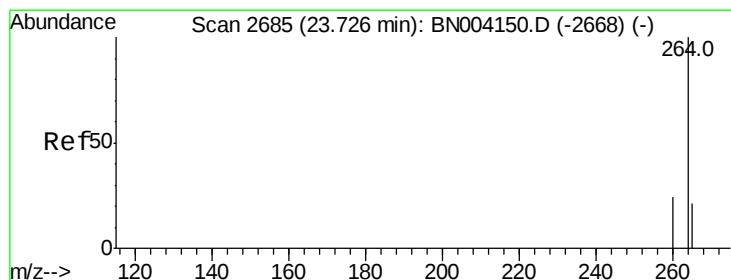
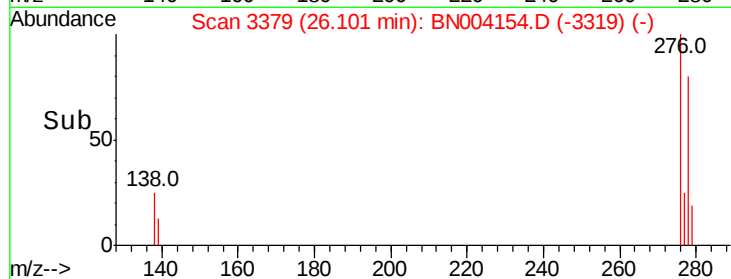
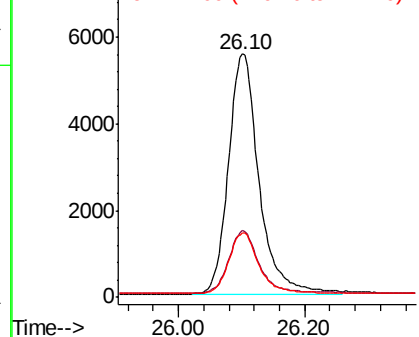
Ion Ratio Lower Upper

276 100

138 25.8 20.6 30.8

277 25.4 20.0 30.0

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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.73 min Scan# 2687

Delta R.T. 0.01 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Tgt Ion:264 Resp: 14953

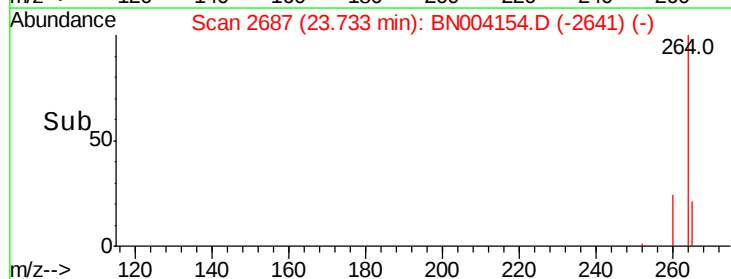
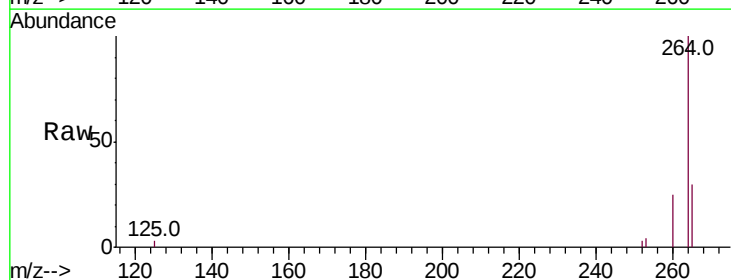
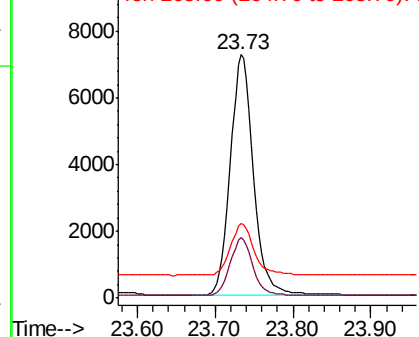
Ion Ratio Lower Upper

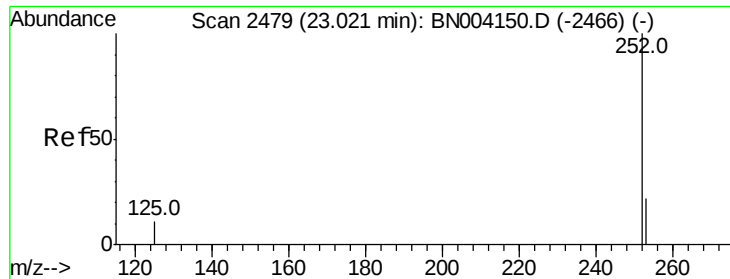
264 100

260 24.8 19.1 28.7

265 30.4 26.4 39.6

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: 0.370 ng

RT: 23.02 min Scan# 2480

Delta R.T. 0.00 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Instrument :

BNA_N

ClientSampleId :

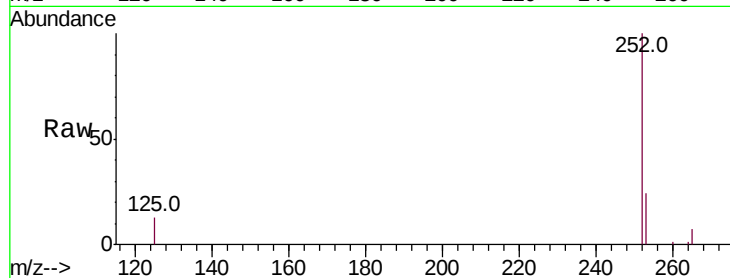
Tot Ion:252 Resp: 15902

Ion Ratio Lower Upper

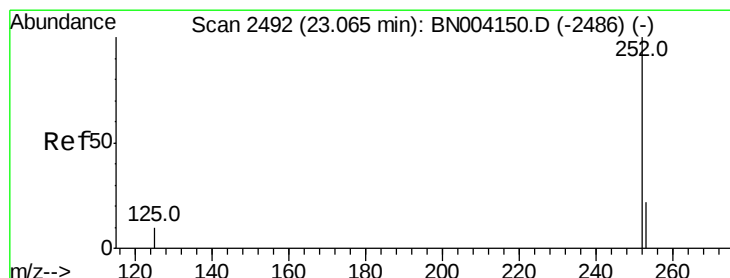
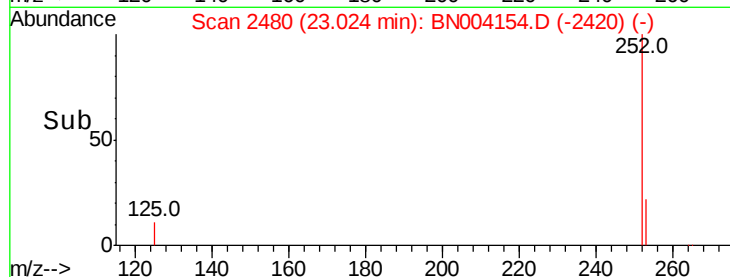
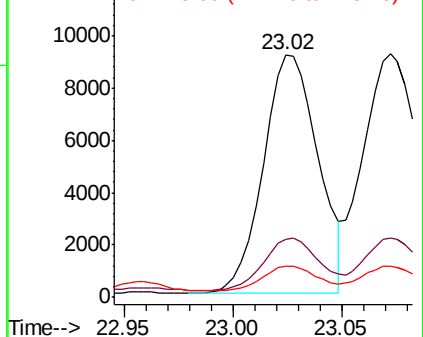
252 100

253 24.0 19.3 28.9

125 12.9 12.7 19.1



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



#36

Benzo(k)fluoranthene

Concen: 0.385 ng

RT: 23.07 min Scan# 2494

Delta R.T. 0.01 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

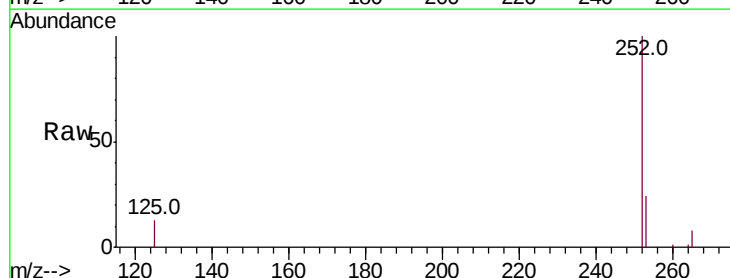
Tgt Ion:252 Resp: 17431

Ion Ratio Lower Upper

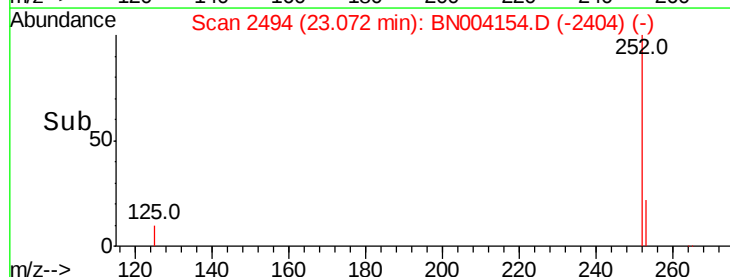
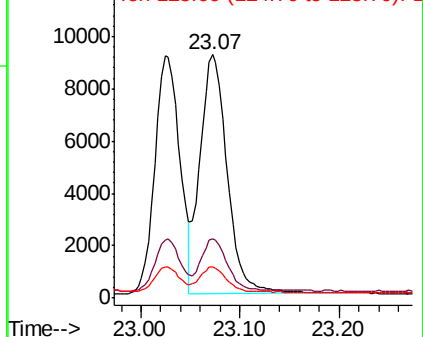
252 100

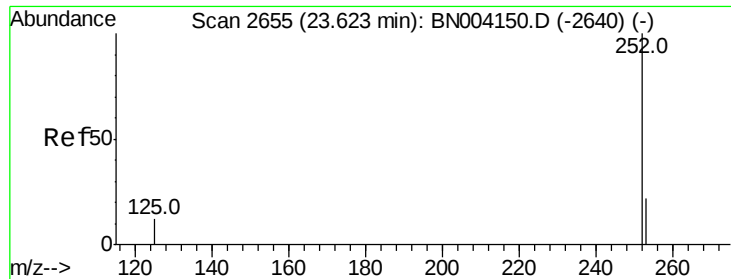
253 24.4 18.5 27.7

125 12.6 9.1 13.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.375 ng

RT: 23.63 min Scan# 2657

Delta R.T. 0.01 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Instrument :

BNA_N

ClientSampleId :

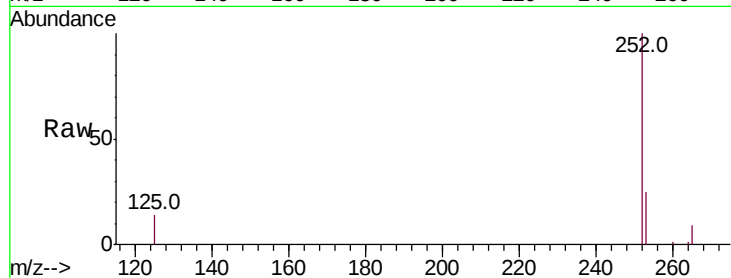
Tot Ion:252 Resp: 15278

Ion Ratio Lower Upper

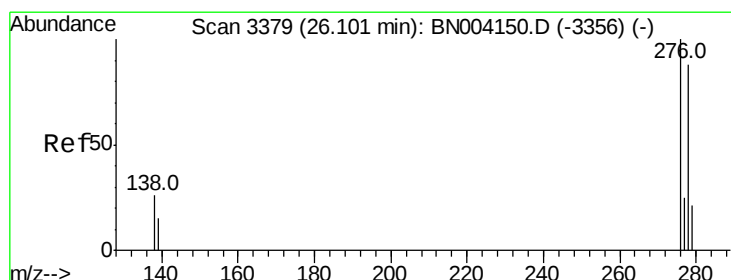
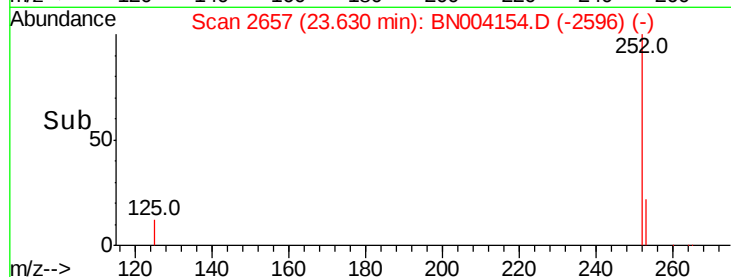
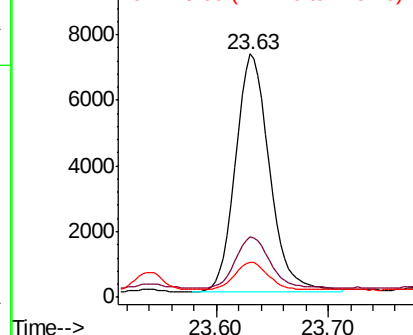
252 100

253 24.8 20.1 30.1

125 14.4 16.0 24.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.382 ng

RT: 26.11 min Scan# 3381

Delta R.T. 0.01 min

Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

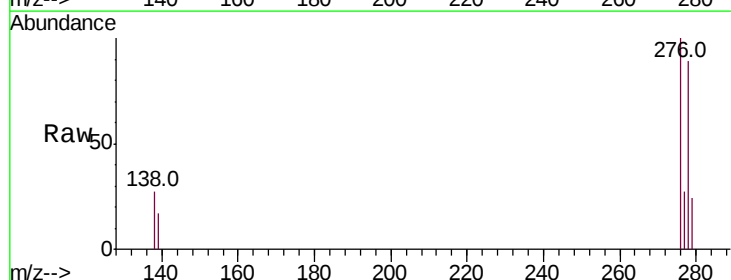
Tgt Ion:278 Resp: 15546

Ion Ratio Lower Upper

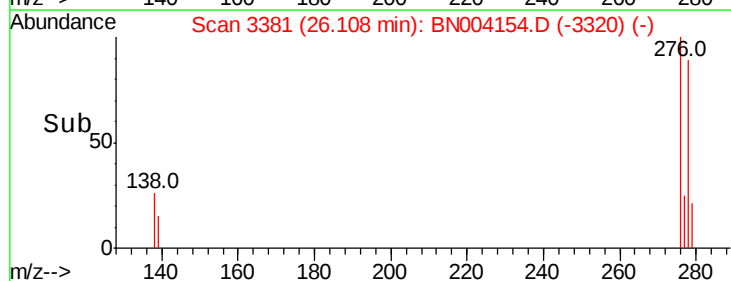
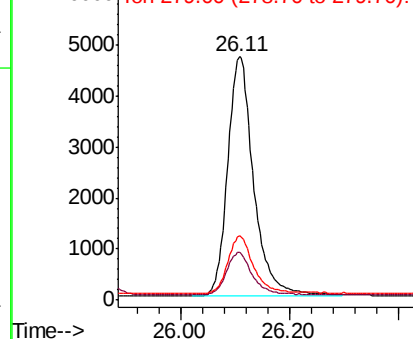
278 100

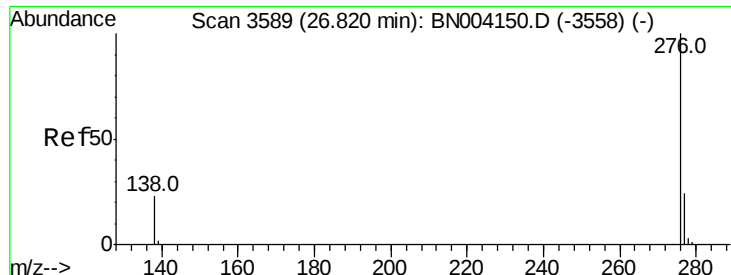
139 19.4 13.5 20.3

279 26.3 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: 0.391 ng

RT: 26.83 min Scan# 3592

Delta R.T. 0.01 min

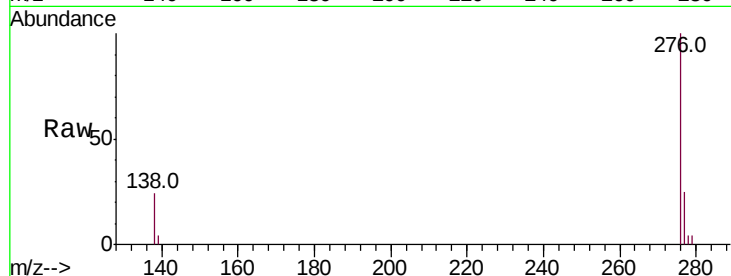
Lab File: BN004154.D

Acq: 20 Dec 2018 17:27

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 15793

Ion Ratio Lower Upper

276 100

277 25.4 19.5 29.3

138 24.3 17.4 26.2

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

