

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
 Data File : BN007303.D
 Acq On : 21 Aug 2019 22:58
 Operator : HP/JU
 Sample : K4441-11MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 22 05:01:21 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	5136	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	18820	0.40	ng	0.00
13) Acenaphthene-d10	14.06	164	11298	0.40	ng	0.00
19) Phenanthrene-d10	16.82	188	25406	0.40	ng	0.00
27) Chrysene-d12	21.05	240	30816	0.40	ng	0.02
34) Perylene-d12	23.16	264	64431	0.40	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	4168	0.27	ng	0.02
5) Phenol-d6	6.61	99	4428	0.24	ng	0.00
8) Nitrobenzene-d5	8.54	82	3415	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	11.77	152	12711	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.56	330	1771	0.28	ng	0.00
15) 2-Fluorobiphenyl	12.68	172	9232	0.19	ng	0.00
25) Fluoranthene-d10	18.84	212	2914	0.04	ng	-0.01
29) Terphenyl-d14	19.47	244	27184	0.35	ng	0.00

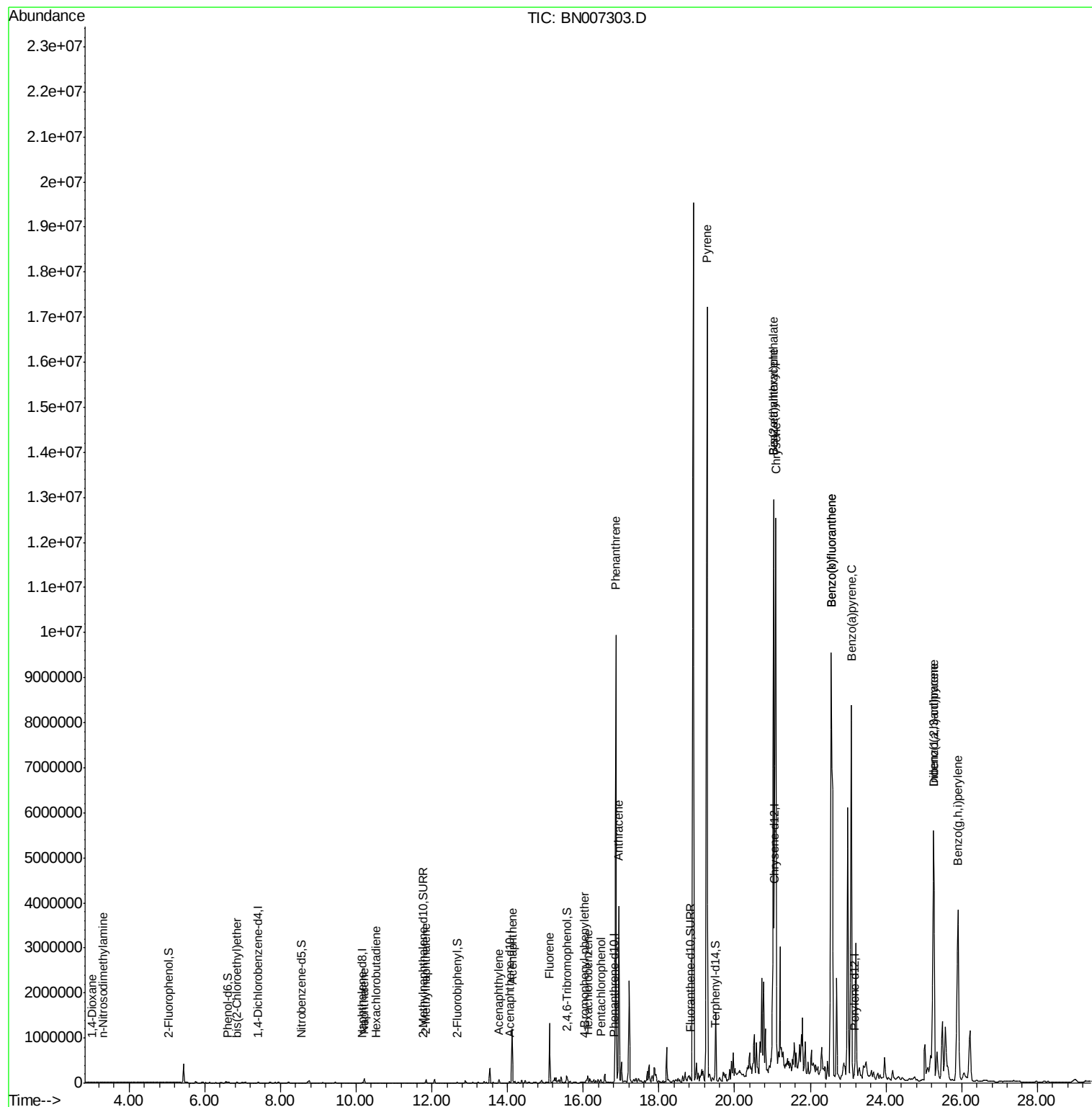
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.01	88	1580	0.217	ng	# 59
3) n-Nitrosodimethylamine	3.32	42	1165	0.238	ng	# 85
6) bis(2-Chloroethyl)ether	6.85	93	4906	0.323	ng	97
9) Naphthalene	10.21	128	126609	2.374	ng	100
10) Hexachlorobutadiene	10.52	225	3464	0.294	ng	# 98
12) 2-Methylnaphthalene	11.85	142	67187	1.819	ng	100
16) Acenaphthylene	13.77	152	84758	1.415	ng	97
17) Acenaphthene	14.12	154	658585	17.249	ng	99
18) Fluorene	15.12	166	804984	16.137	ng	99
20) 4-Bromophenyl-phenylether	16.02	248	4894	0.336	ng	# 84
21) Hexachlorobenzene	16.14	284	4901	0.291	ng	97
22) Pentachlorophenol	16.48	266	6327	0.936	ng	96
23) Phenanthrene	16.86	178	12376882	155.432	ng	97
24) Anthracene	16.94	178	4152895	57.920	ng	# 93
28) Pyrene	19.26	202	18608506	161.483	ng	# 78
30) Benzo(a)anthracene	21.03	228	13855593	120.917	ng	# 90
31) Chrysene	21.09	228	12180515	104.164	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.03	149	42347	0.925	ng	# 61
33) Indeno(1,2,3-cd)pyrene	25.26	276	8989148	63.886	ng	# 95
35) Benzo(b)fluoranthene	22.55	252	17120732	71.277	ng	95
36) Benzo(k)fluoranthene	22.55	252	17120732	72.755	ng	95
37) Benzo(a)pyrene	23.08	252	12378291	57.180	ng	95
38) Dibenzo(a,h)anthracene	25.26	278	2540167	11.169	ng	96
39) Benzo(g,h,i)perylene	25.90	276	8494935	36.954	ng	97

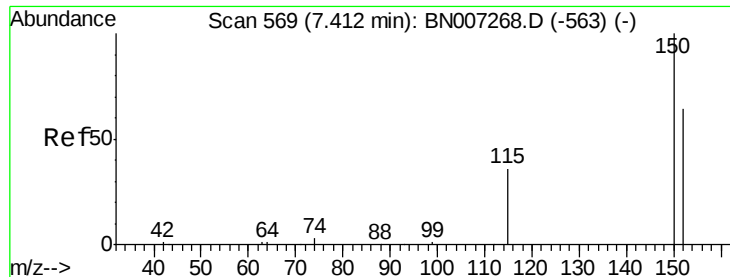
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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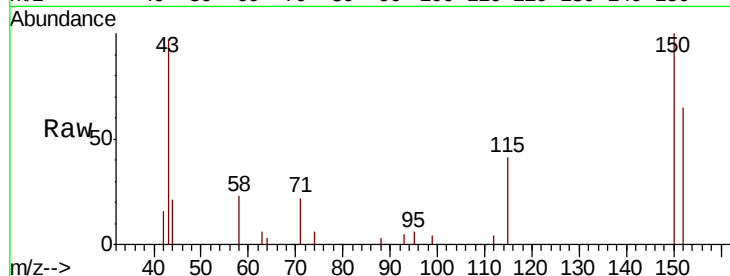


#1

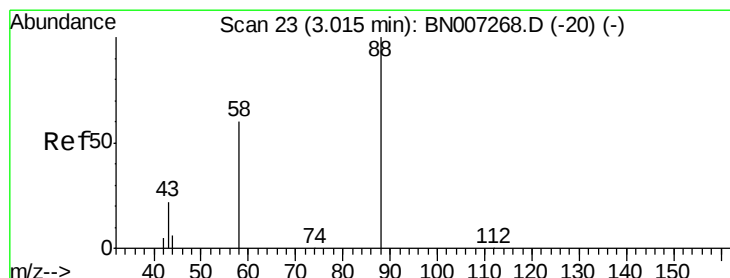
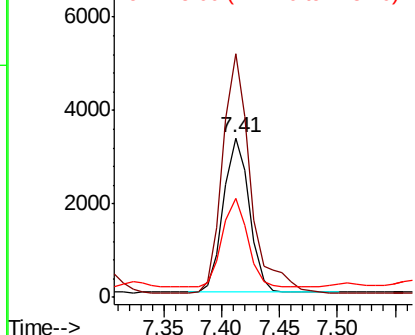
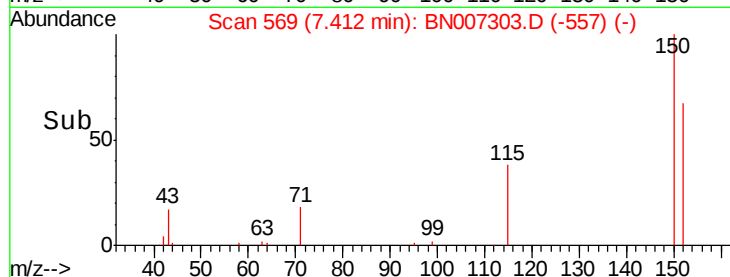
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. -0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 5136
Ion Ratio Lower Upper
152 100
150 152.9 123.8 185.8
115 62.1 47.3 70.9



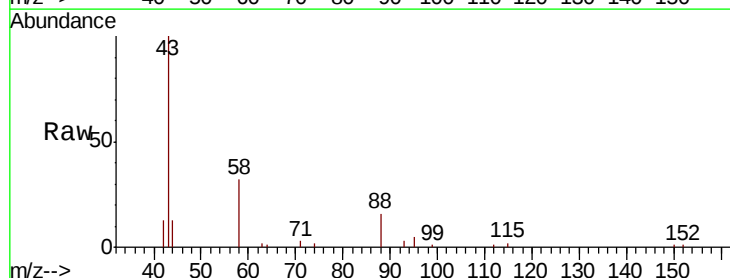
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



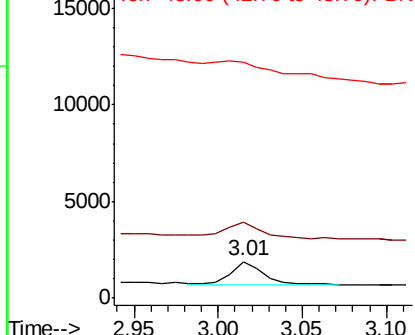
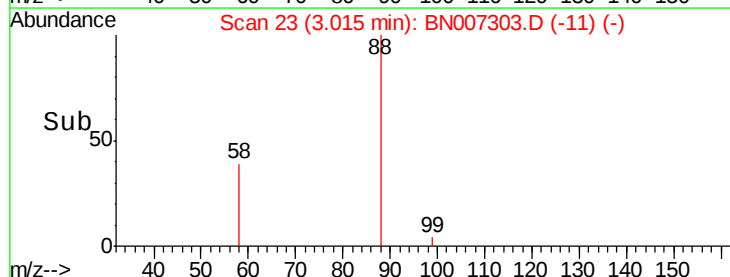
#2

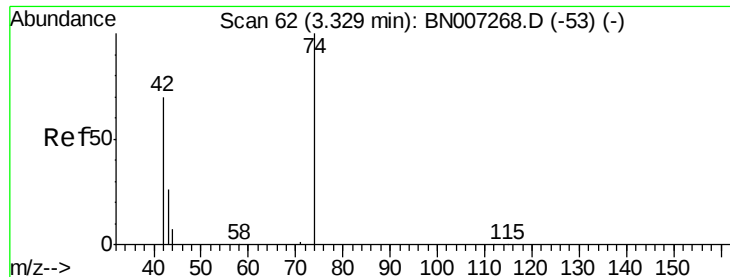
1,4-Dioxane
Concen: 0.217 ng
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion: 88 Resp: 1580
Ion Ratio Lower Upper
88 100
58 84.3 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: 0.238 ng

RT: 3.32 min Scan# 61

Delta R.T. -0.01 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

Instrument :

BNA_N

ClientSampleId :

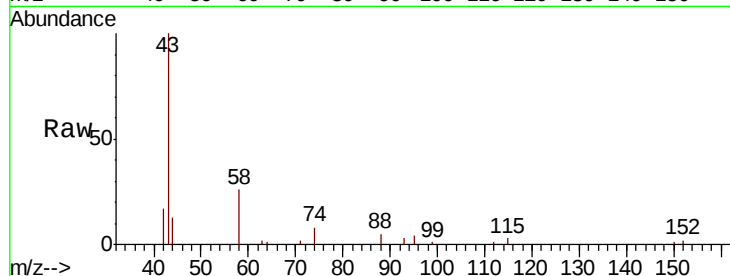
Tot Ion: 42 Resp: 1165

Ion Ratio Lower Upper

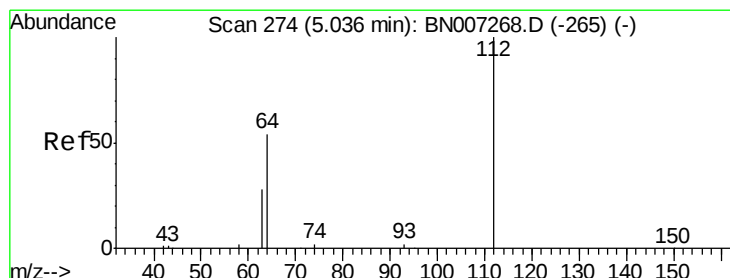
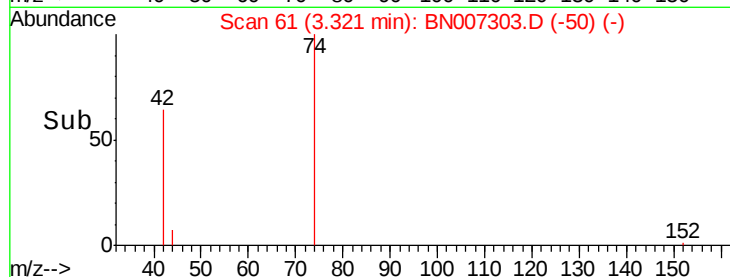
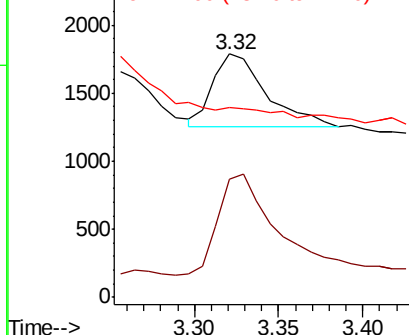
42 100

74 154.5 109.0 163.4

44 0.0 4.2 6.2#



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: 0.266 ng

RT: 5.05 min Scan# 276

Delta R.T. 0.02 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

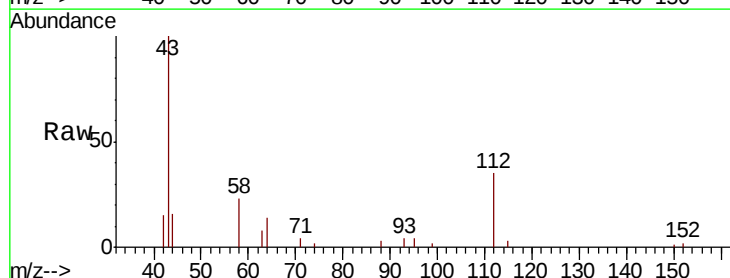
Tgt Ion: 112 Resp: 4168

Ion Ratio Lower Upper

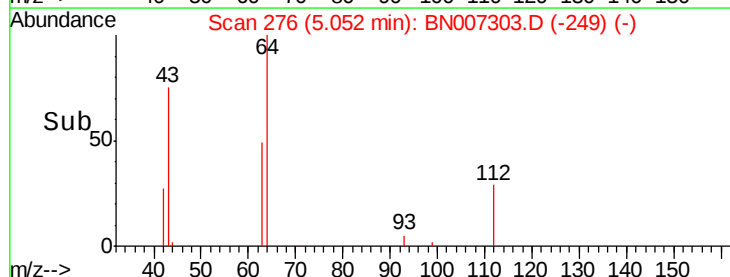
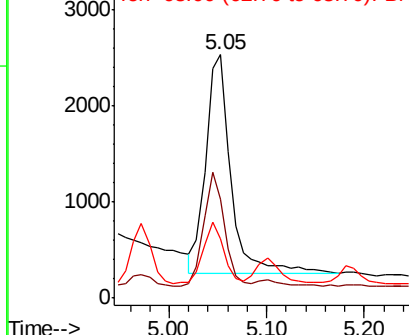
112 100

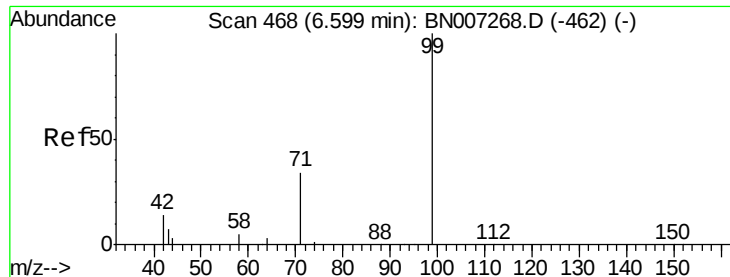
64 41.9 41.8 62.8

63 21.8 22.6 34.0#



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: 0.240 ng

RT: 6.61 min Scan# 469

Delta R.T. 0.01 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

Instrument :

BNA_N

ClientSampleId :

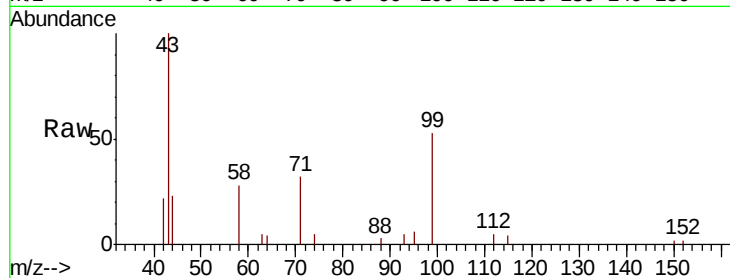
Tot Ion: 99 Resp: 4428

Ion Ratio Lower Upper

99 100

42 21.6 14.3 21.5#

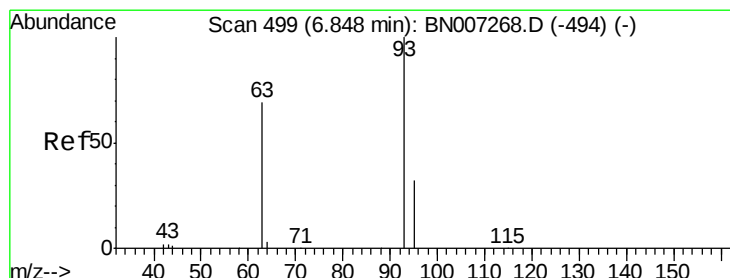
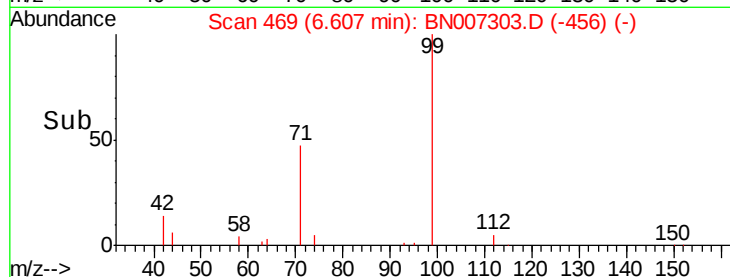
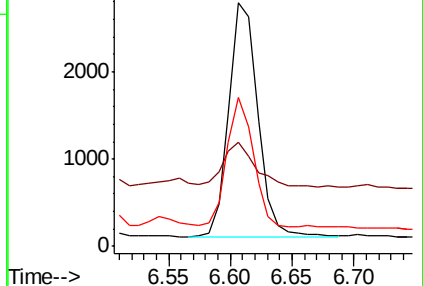
71 49.3 27.3 40.9#



Abundance Ion 99.00 (98.70 to 99.70): BN007303.D (-456) (-)

Ion 42.00 (41.70 to 42.70): BN007303.D (-456) (-)

Ion 71.00 (70.70 to 71.70): BN007303.D (-456) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.323 ng

RT: 6.85 min Scan# 499

Delta R.T. -0.00 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

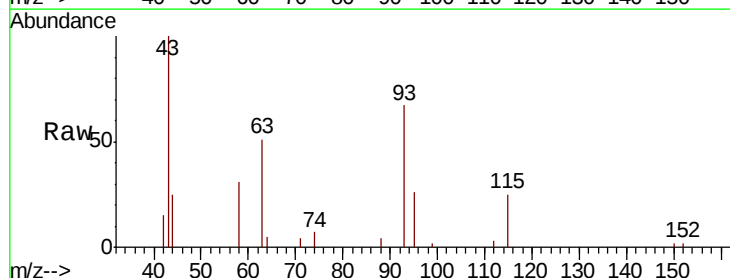
Tgt Ion: 93 Resp: 4906

Ion Ratio Lower Upper

93 100

63 70.3 54.4 81.6

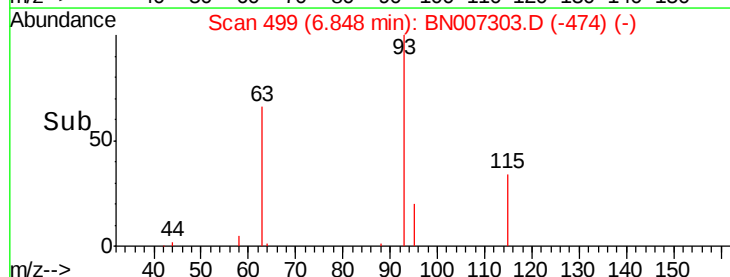
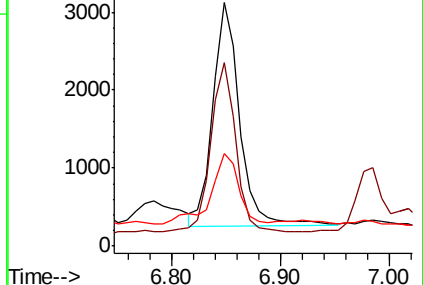
95 33.4 25.5 38.3

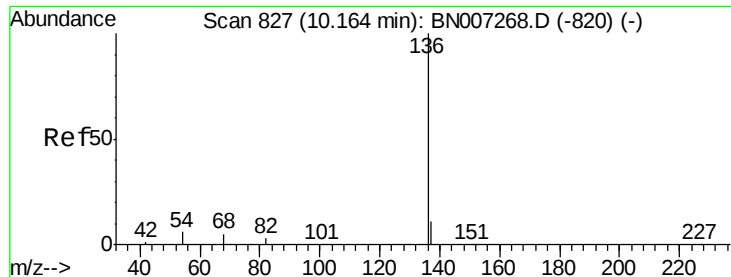


Abundance Ion 93.00 (92.70 to 93.70): BN007303.D (-474) (-)

Ion 63.00 (62.70 to 63.70): BN007303.D (-474) (-)

Ion 95.00 (94.70 to 95.70): BN007303.D (-474) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.00 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 18820

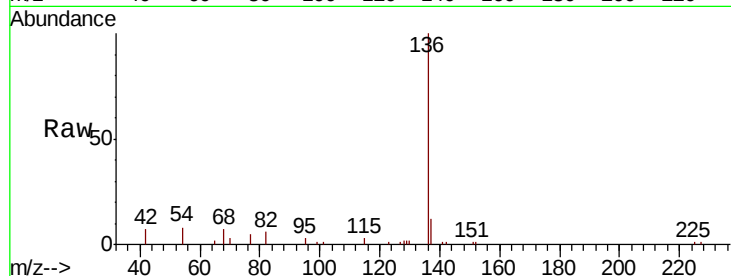
Ion Ratio Lower Upper

136 100

137 11.9 9.1 13.7

54 8.1 5.9 8.9

68 7.4 5.6 8.4

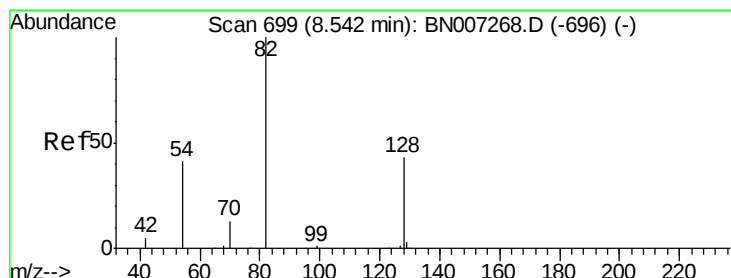
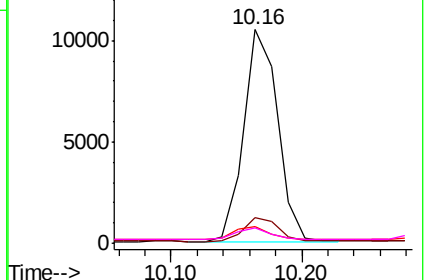
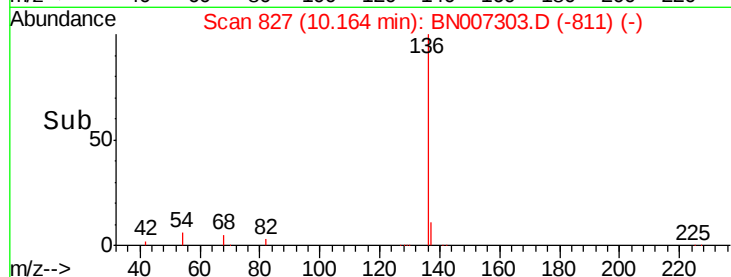


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.236 ng

RT: 8.54 min Scan# 699

Delta R.T. -0.00 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

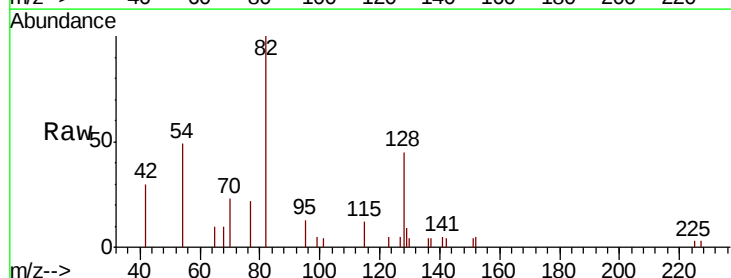
Tgt Ion: 82 Resp: 3415

Ion Ratio Lower Upper

82 100

128 44.7 35.8 53.6

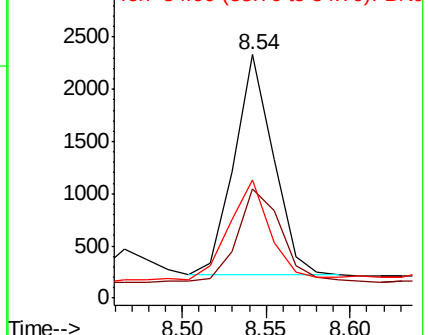
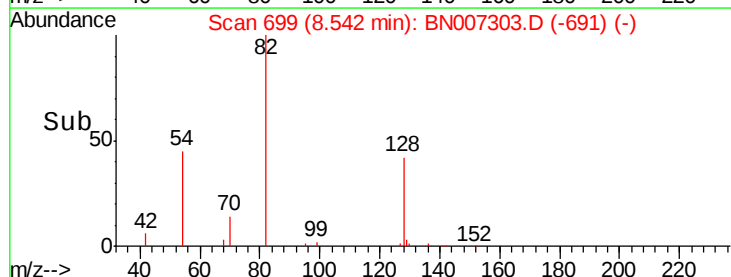
54 48.7 34.7 52.1

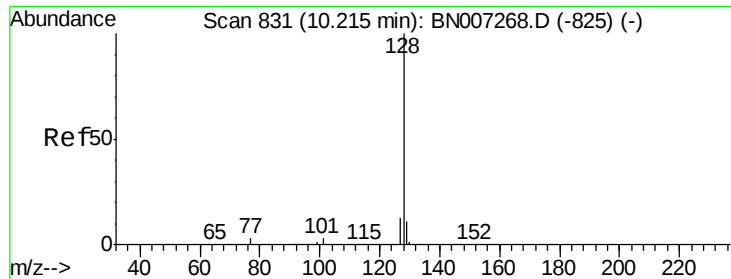


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 2.374 ng

RT: 10.21 min Scan# 831

Delta R.T. -0.00 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

Instrument :

BNA_N

ClientSampleId :

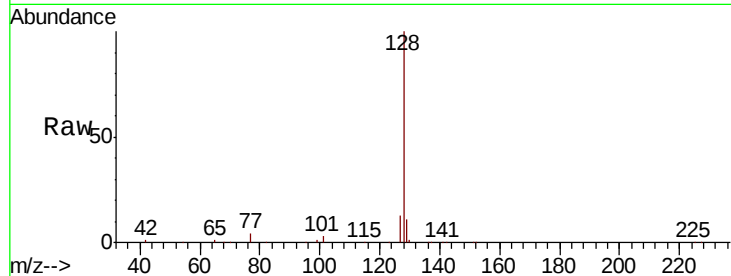
Tot Ion:128 Resp: 126609

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

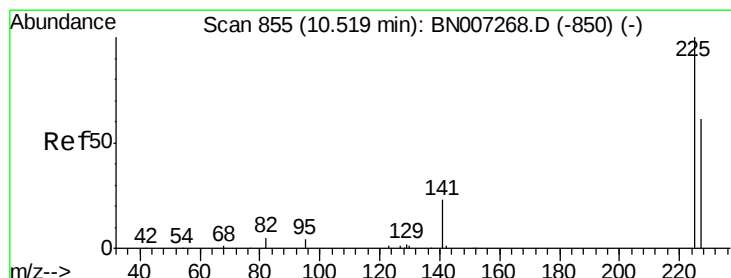
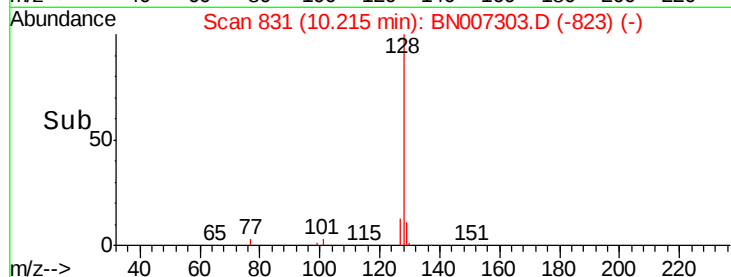
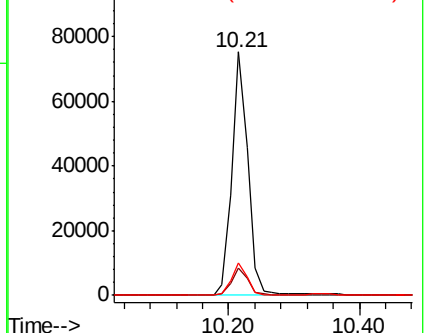
127 13.4 10.6 16.0



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: 0.294 ng

RT: 10.52 min Scan# 855

Delta R.T. -0.00 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

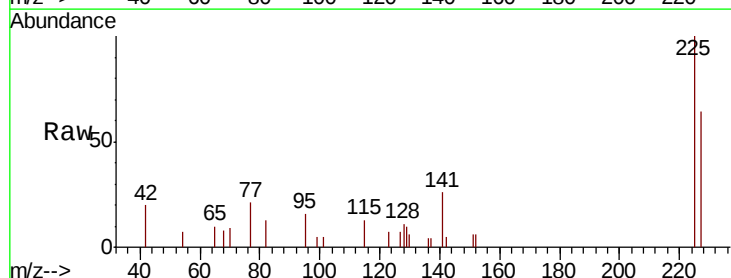
Tgt Ion:225 Resp: 3464

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

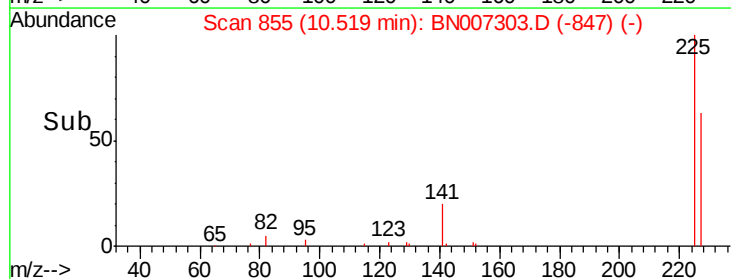
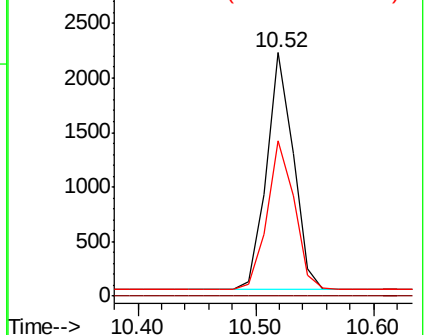
227 64.2 50.2 75.2

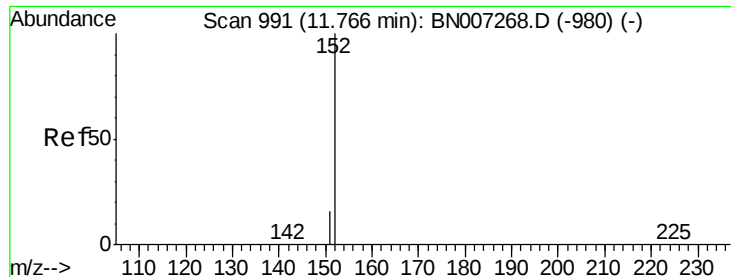


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.391 ng

RT: 11.77 min Scan# 992

Delta R.T. 0.00 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

Instrument :

BNA_N

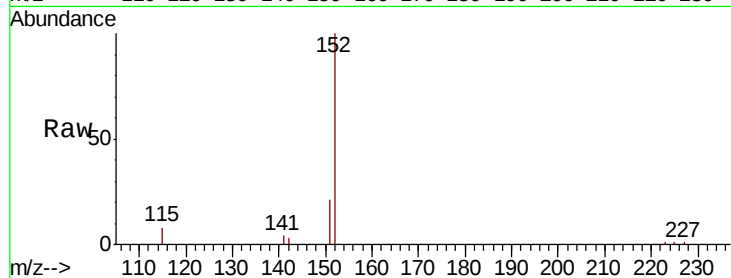
ClientSampleId :

Tot Ion:152 Resp: 12711

Ion Ratio Lower Upper

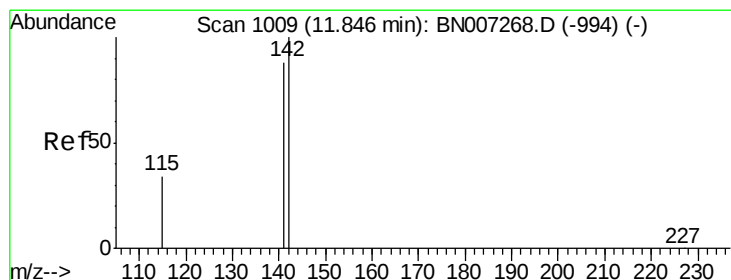
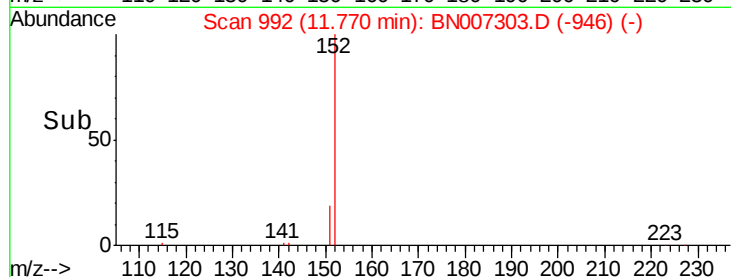
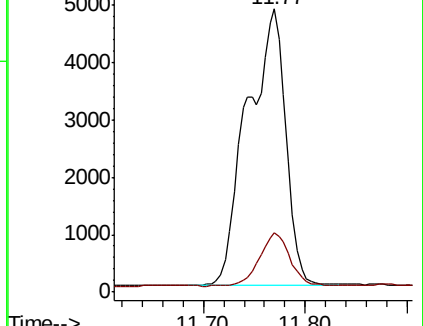
152 100

151 15.4 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: 1.819 ng

RT: 11.85 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

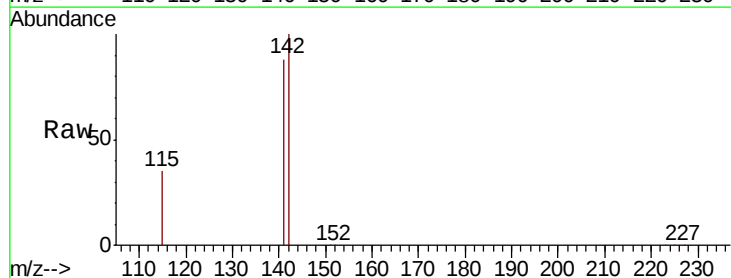
Tgt Ion:142 Resp: 67187

Ion Ratio Lower Upper

142 100

141 88.3 70.7 106.1

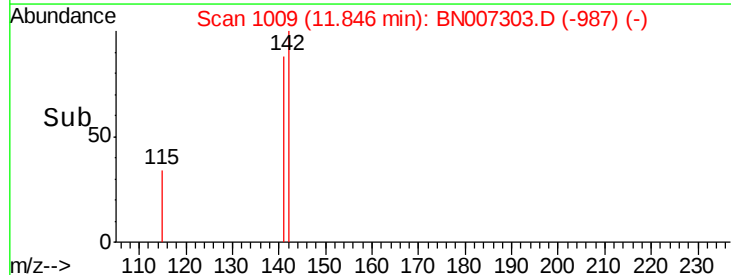
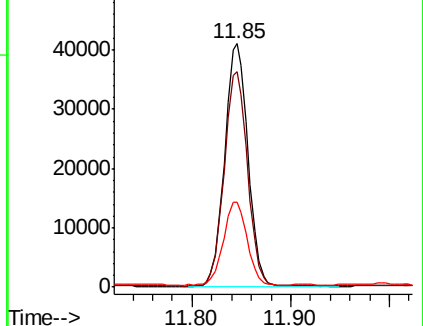
115 34.9 28.1 42.1

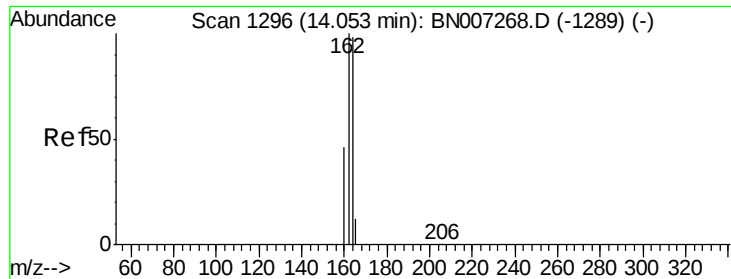


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.06 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

Instrument :

BNA_N

ClientSampleId :

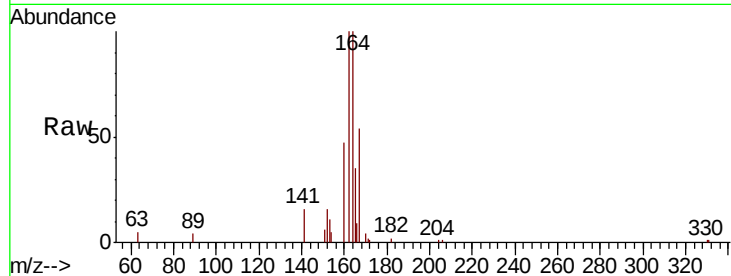
Tot Ion:164 Resp: 11298

Ion Ratio Lower Upper

164 100

162 100.3 82.0 123.0

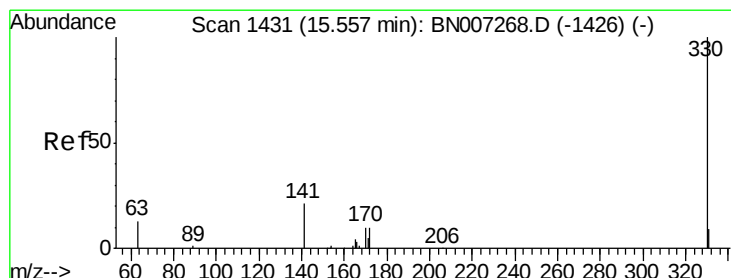
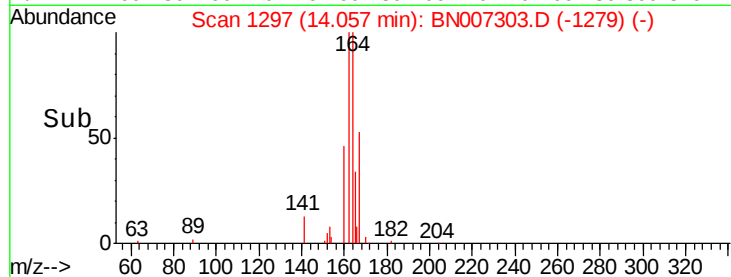
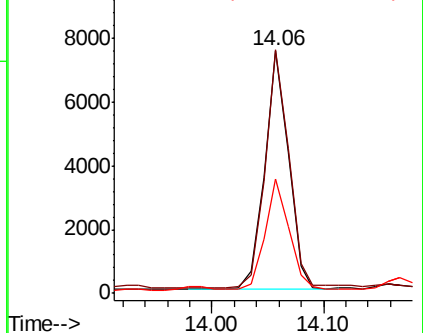
160 46.9 38.2 57.4



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: 0.279 ng

RT: 15.56 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

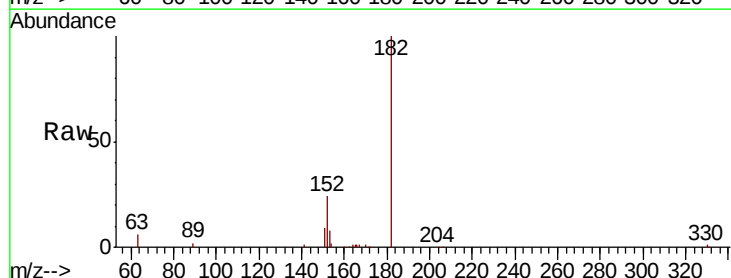
Tgt Ion:330 Resp: 1771

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

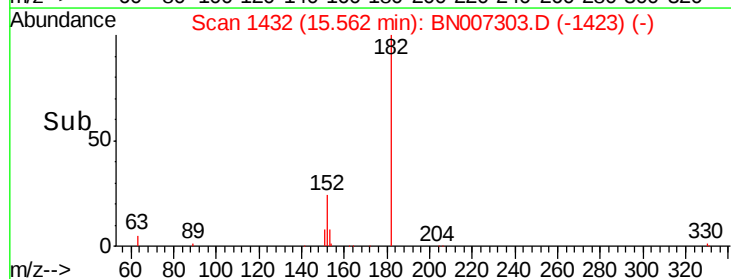
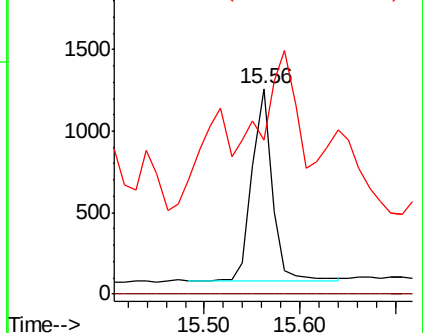
141 0.0 30.3 45.5#

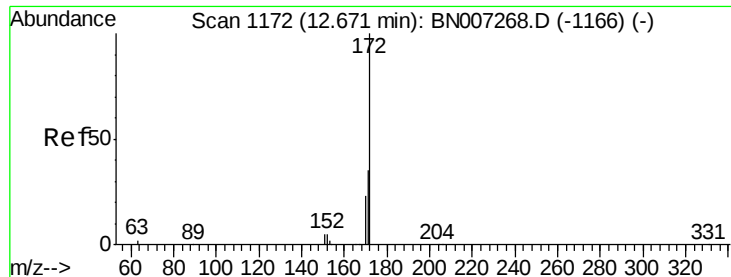


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

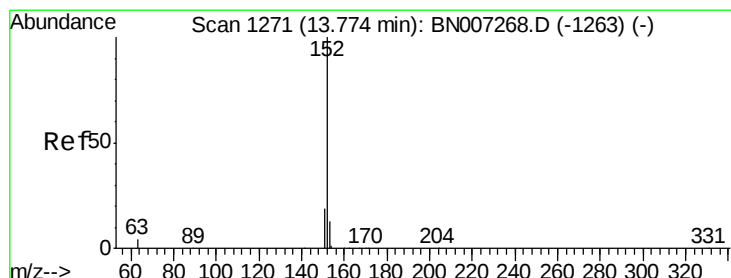
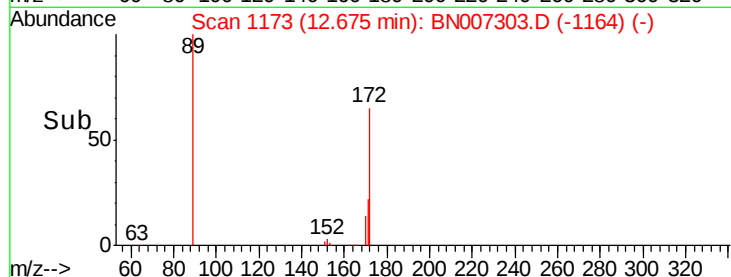
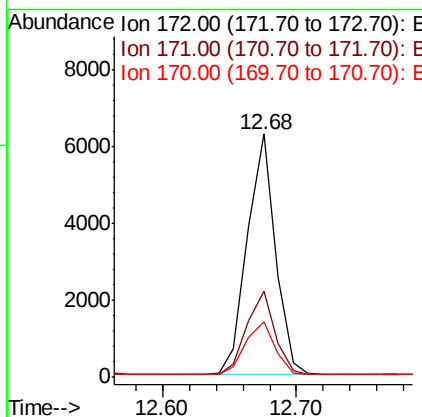
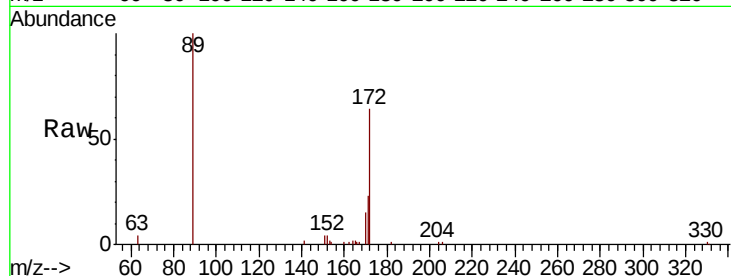




#15
2-Fluorobiphenyl
Concen: 0.191 ng
RT: 12.68 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

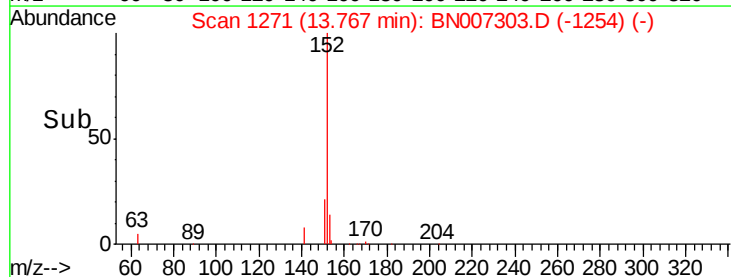
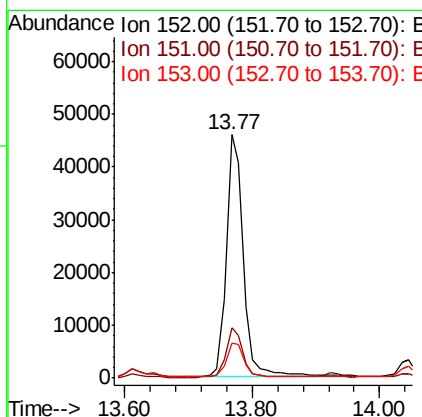
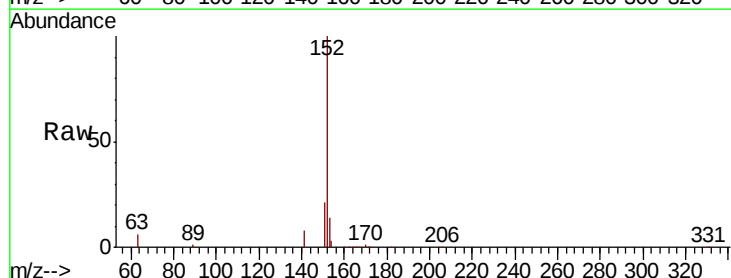
Instrument :
BNA_N
ClientSampleId :

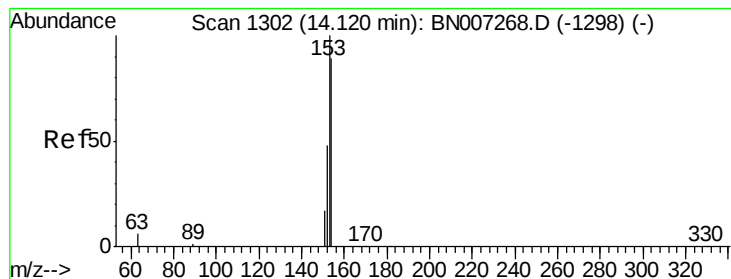
Tot Ion:172 Resp: 9232
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 22.8 18.7 28.1



#16
Acenaphthylene
Concen: 1.415 ng
RT: 13.77 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:152 Resp: 84758
Ion Ratio Lower Upper
152 100
151 20.1 15.4 23.2
153 14.5 10.1 15.1





#17

Acenaphthene

Concen: 17.249 ng

RT: 14.12 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

Instrument :

BNA_N

ClientSampleId :

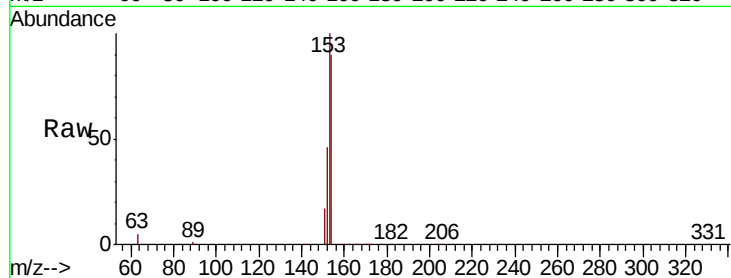
Tot Ion:154 Resp: 658585

Ion Ratio Lower Upper

154 100

153 112.4 89.9 134.9

152 53.2 43.9 65.9

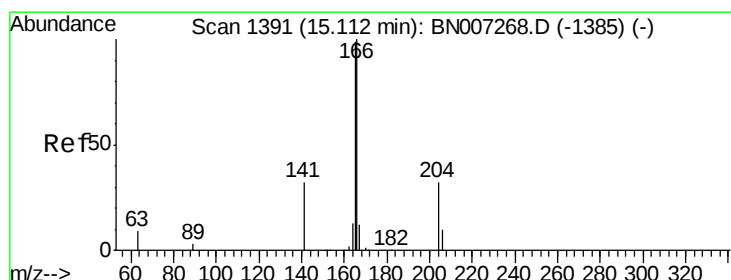
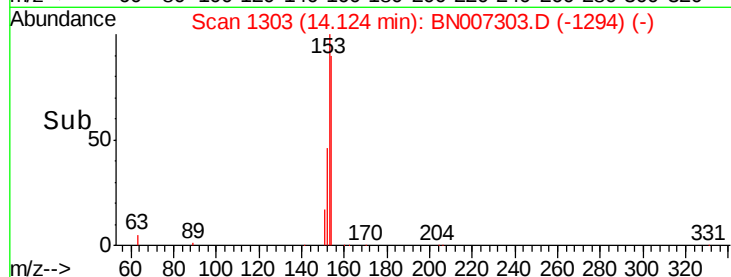
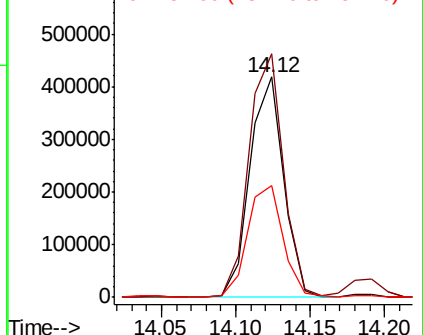


Abundance

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: 16.137 ng

RT: 15.12 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

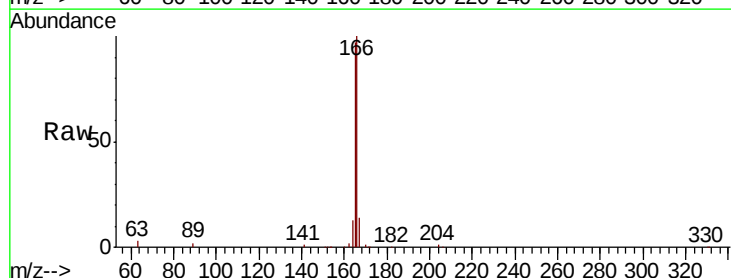
Tgt Ion:166 Resp: 804984

Ion Ratio Lower Upper

166 100

165 97.3 78.3 117.5

167 14.4 11.1 16.7

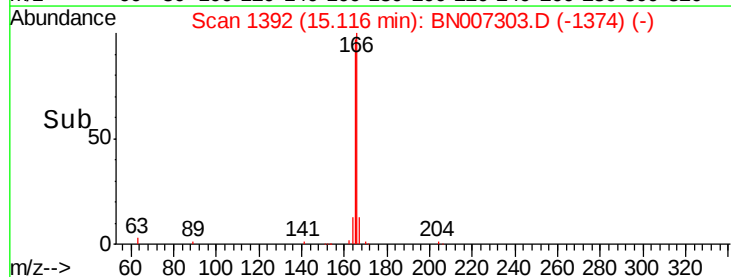
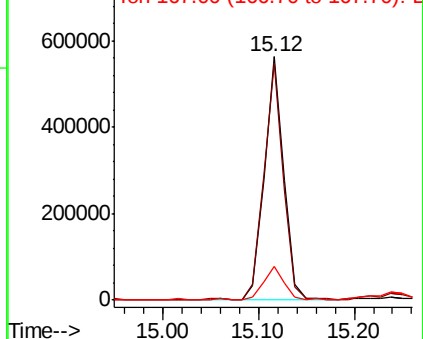


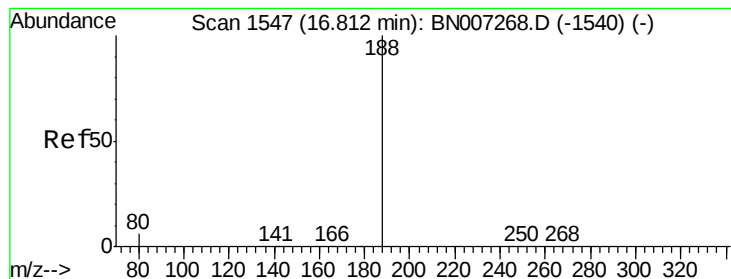
Abundance

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: 16.82 min Scan# 1548

Delta R.T. 0.00 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

Instrument :

BNA_N

ClientSampleId :

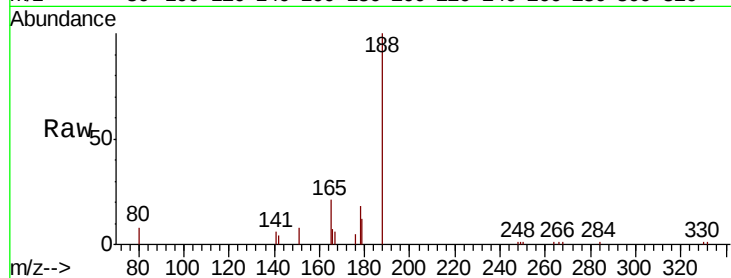
Tot Ion:188 Resp: 25406

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

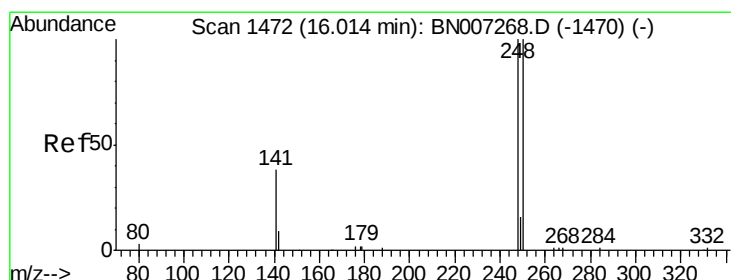
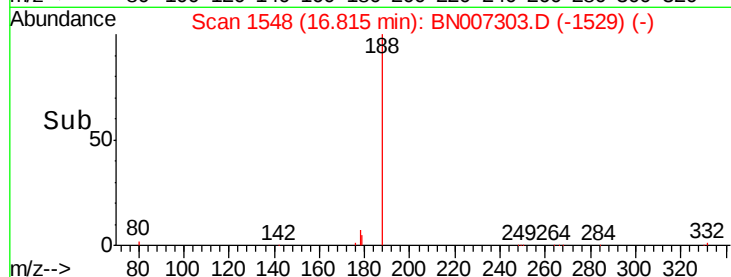
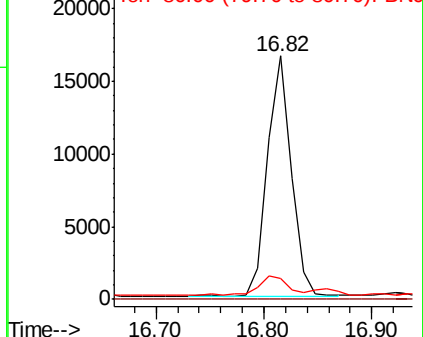
80 8.4 5.2 7.8#



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: 0.336 ng

RT: 16.02 min Scan# 1473

Delta R.T. 0.00 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

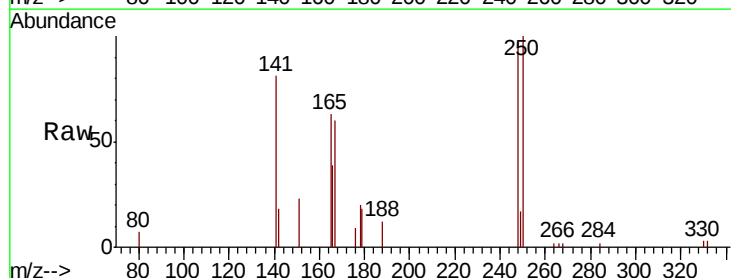
Tgt Ion:248 Resp: 4894

Ion Ratio Lower Upper

248 100

250 103.4 79.6 119.4

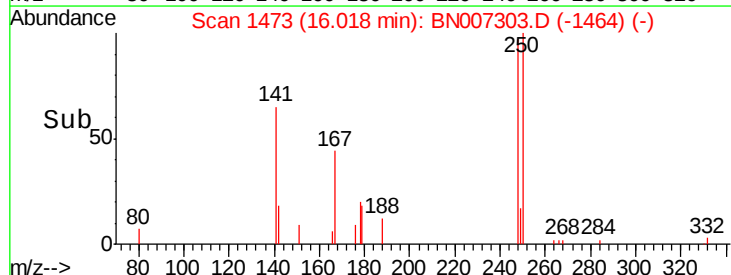
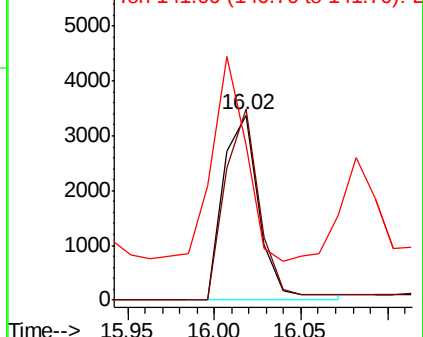
141 84.0 45.1 67.7#

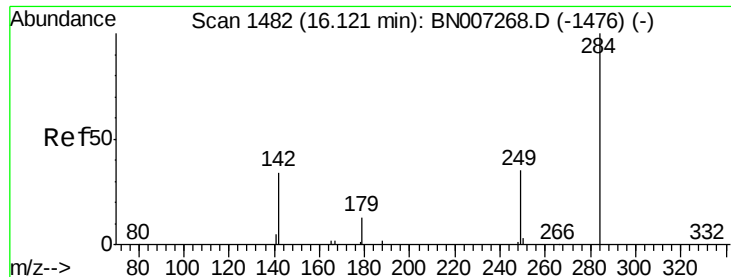


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

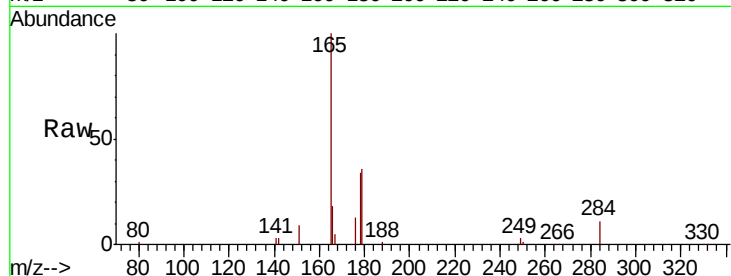




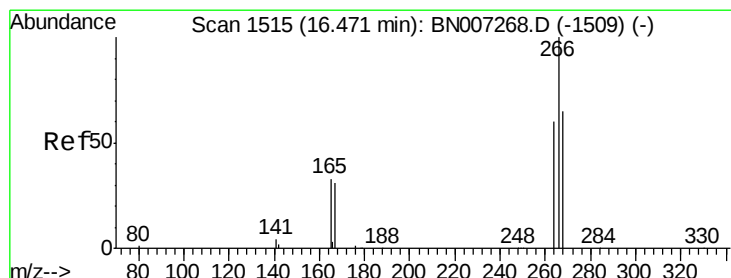
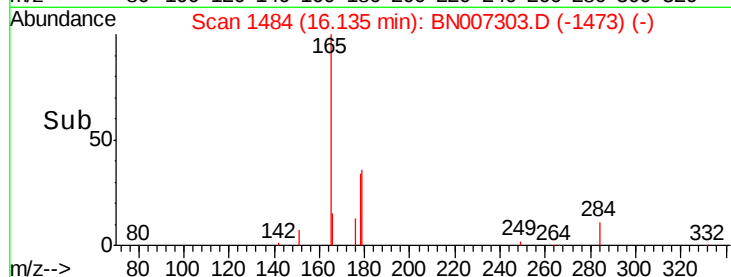
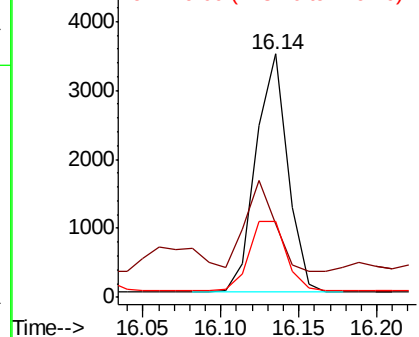
#21
Hexachlorobenzene
Concen: 0.291 ng
RT: 16.14 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :

Tot Ion:284 Resp: 4901
Ion Ratio Lower Upper
284 100
142 35.0 29.5 44.3
249 33.9 26.2 39.4

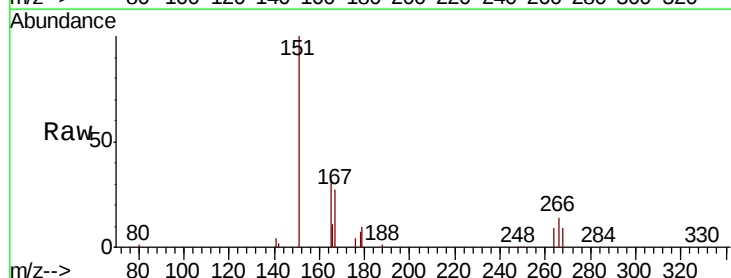


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

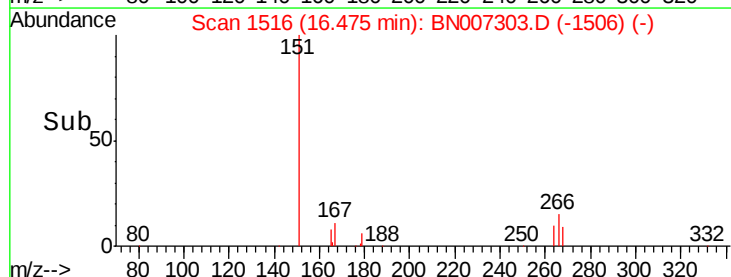
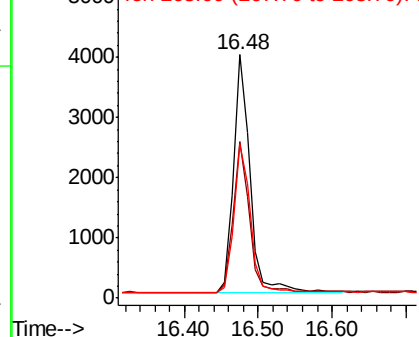


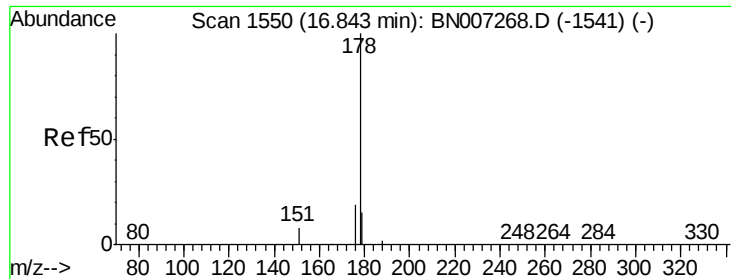
#22
Pentachlorophenol
Concen: 0.936 ng
RT: 16.48 min Scan# 1516
Delta R.T. 0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:266 Resp: 6327
Ion Ratio Lower Upper
266 100
264 64.1 48.7 73.1
268 63.5 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: 155.432 ng

RT: 16.86 min Scan# 1552

Delta R.T. 0.01 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

Instrument :

BNA_N

ClientSampleId :

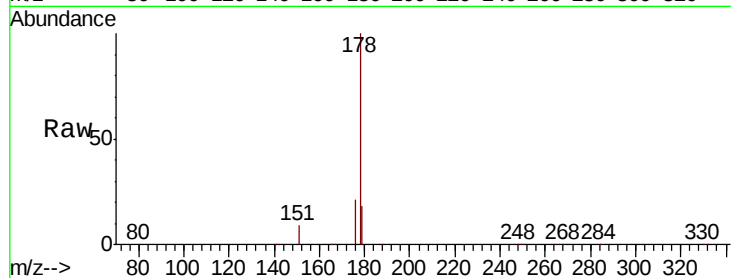
Tot Ion:178 Resp:12376882

Ion Ratio Lower Upper

178 100

176 20.1 15.2 22.8

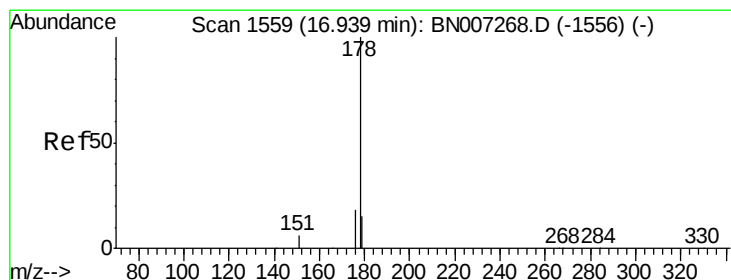
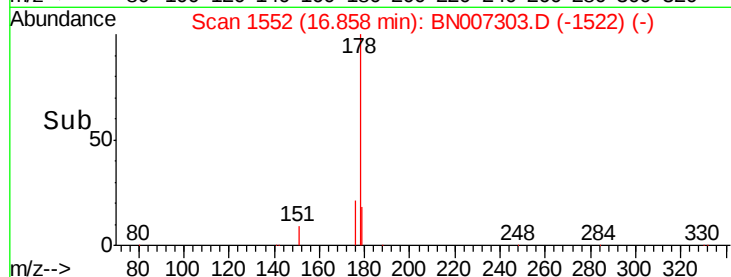
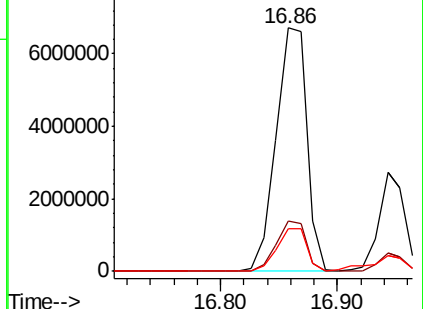
179 17.3 12.3 18.5



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: 57.920 ng

RT: 16.94 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

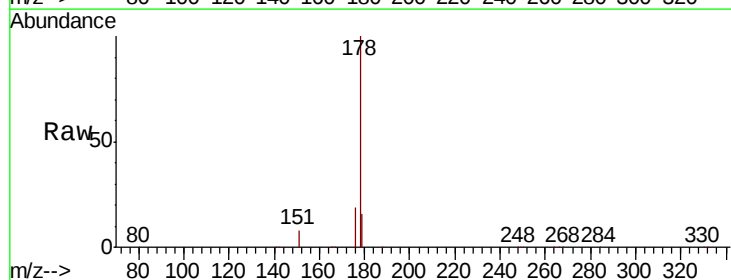
Tgt Ion:178 Resp: 4152895

Ion Ratio Lower Upper

178 100

176 18.4 14.3 21.5

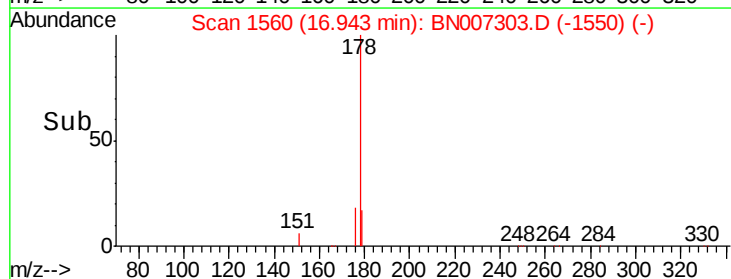
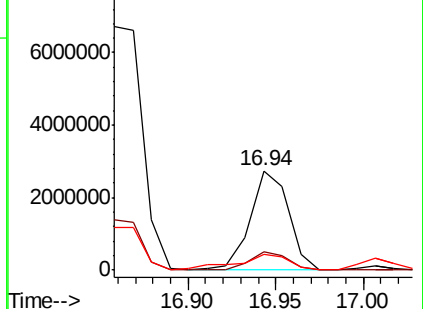
179 21.6 12.3 18.5#

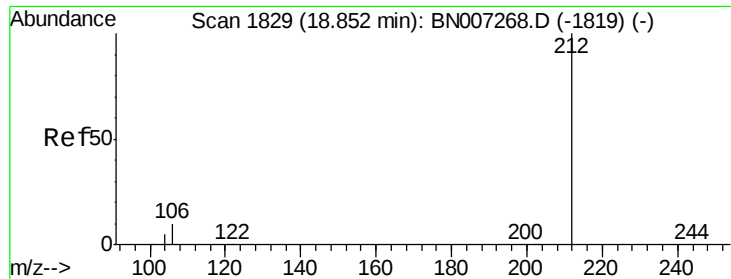


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.036 ng

RT: 18.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

Instrument :

BNA_N

ClientSampleId :

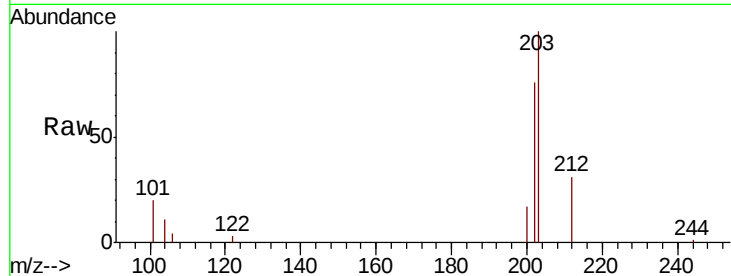
Tot Ion:212 Resp: 2914

Ion Ratio Lower Upper

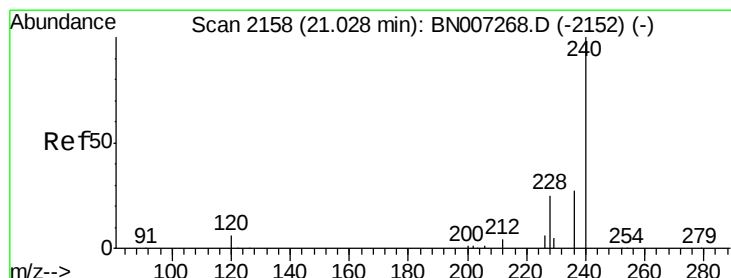
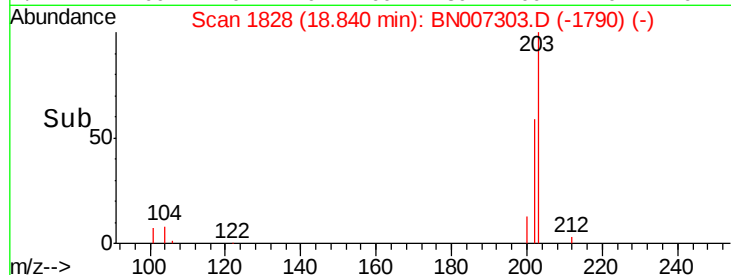
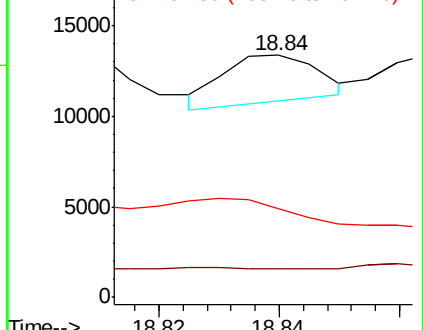
212 100

106 0.0 8.2 12.4#

104 0.0 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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2161

Delta R.T. 0.02 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

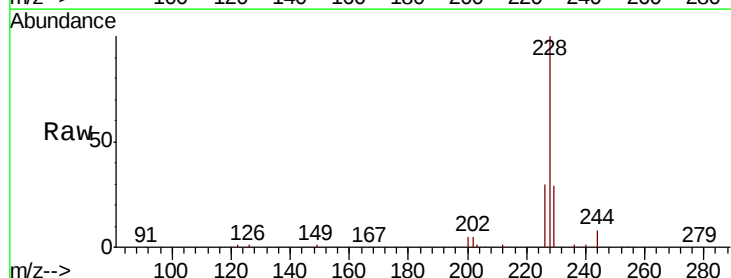
Tgt Ion:240 Resp: 30816

Ion Ratio Lower Upper

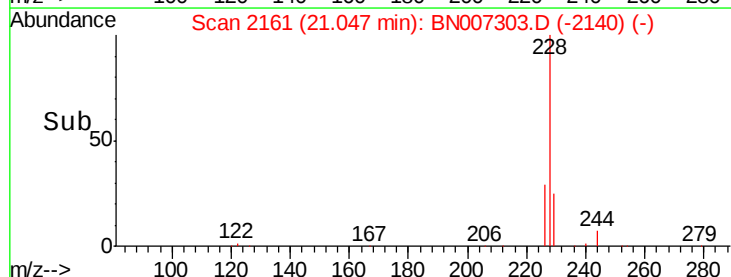
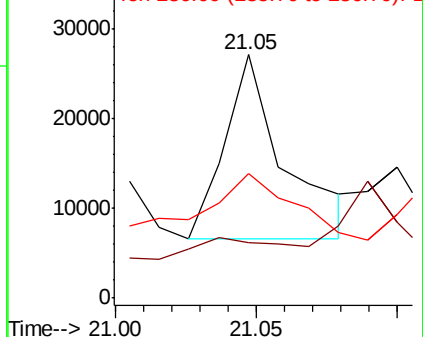
240 100

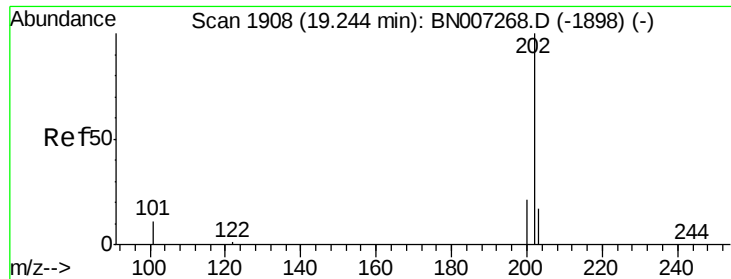
120 22.8 5.6 8.4#

236 51.2 21.6 32.4#



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

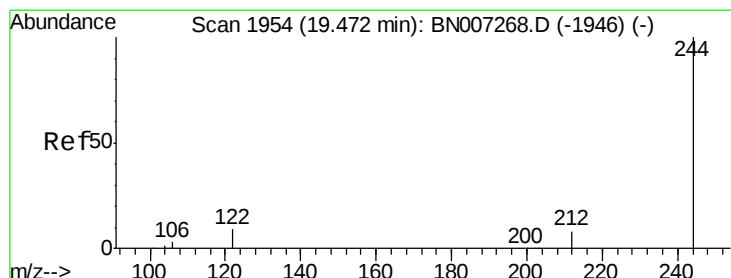
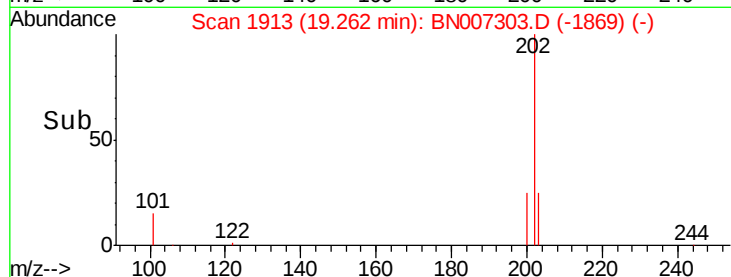
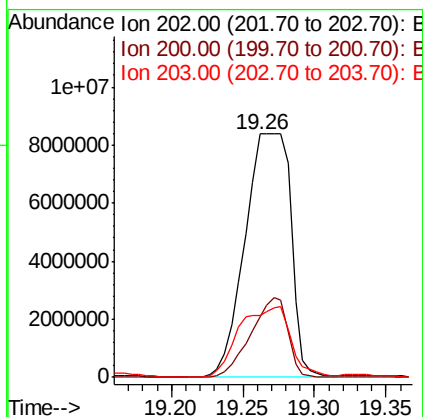
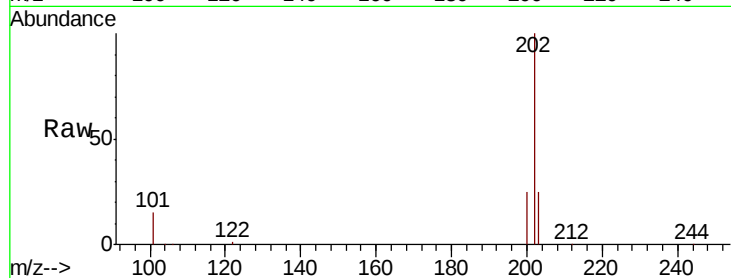




#28
Pvrene
Concen: 161.483 ng
RT: 19.26 min Scan# 1913
Delta R.T. 0.02 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

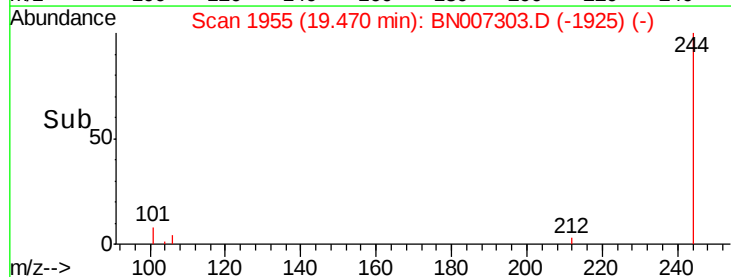
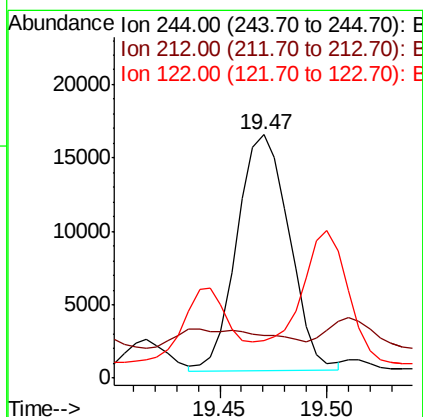
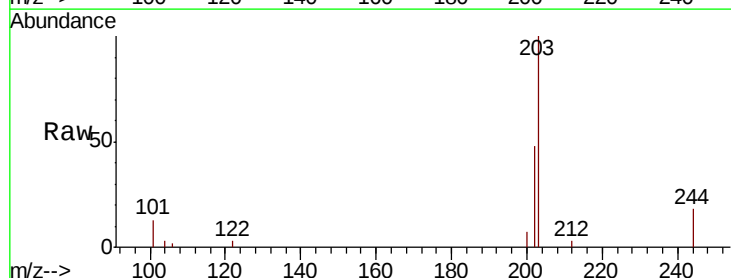
Instrument :
BNA_N
ClientSampleId :

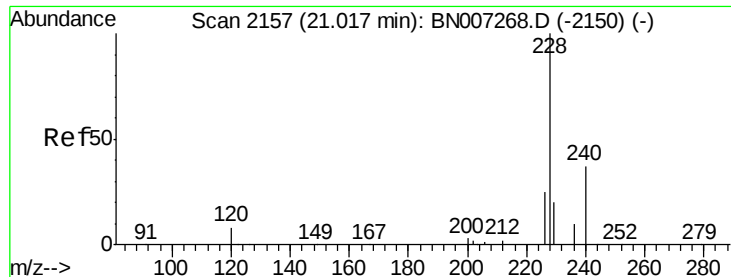
Tot Ion:202 Resp:18608506
Ion Ratio Lower Upper
202 100
200 26.5 16.7 25.1#
203 32.6 13.9 20.9#



#29
Terphenyl-d14
Concen: 0.353 ng
RT: 19.47 min Scan# 1955
Delta R.T. -0.00 min
Lab File: BN007303.D
Acq: 21 Aug 2019 22:58

Tgt Ion:244 Resp: 27184
Ion Ratio Lower Upper
244 100
212 17.4 6.5 9.7#
122 15.4 7.9 11.9#





#30

Benzo(a)anthracene

Concen: 120.917 ng

RT: 21.03 min Scan# 2159

Delta R.T. 0.01 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

Instrument :

BNA_N

ClientSampled :

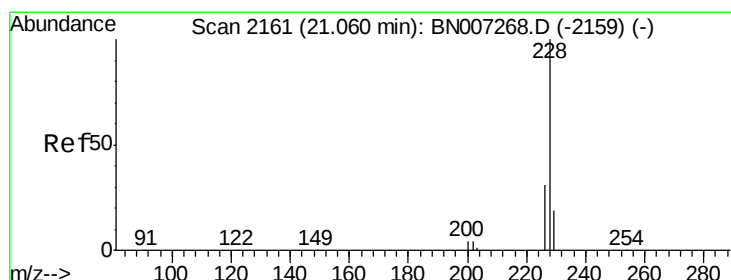
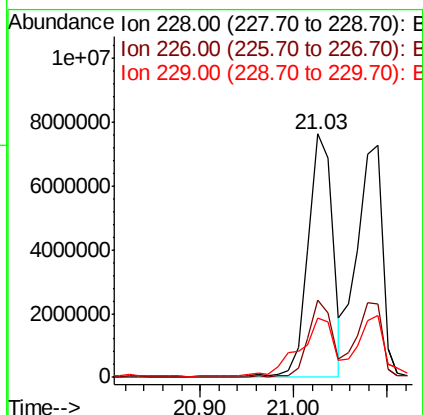
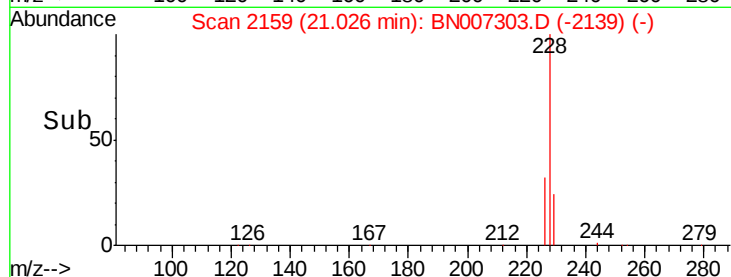
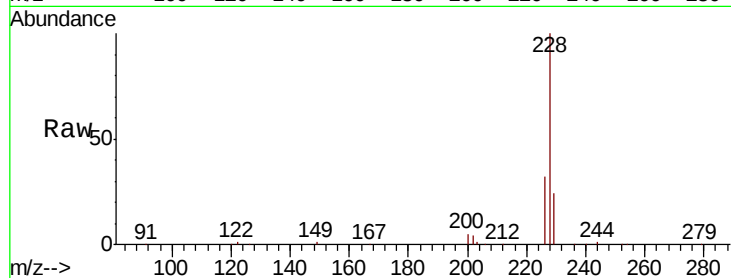
Tot Ion:228 Resp:13855593

Ion Ratio Lower Upper

228 100

226 32.0 20.6 30.8#

229 24.4 16.9 25.3



#31

Chrysene

Concen: 104.164 ng

RT: 21.09 min Scan# 2165

Delta R.T. 0.03 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

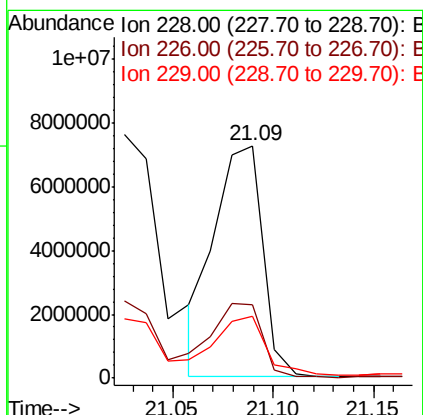
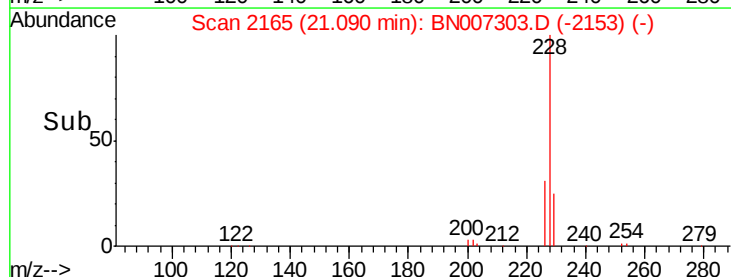
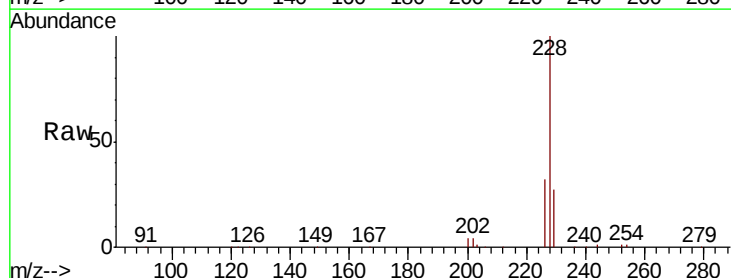
Tgt Ion:228 Resp:12180515

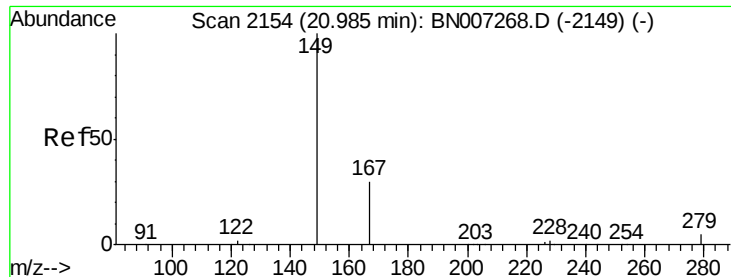
Ion Ratio Lower Upper

228 100

226 31.5 24.6 36.8

229 26.8 15.6 23.4#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.925 ng

RT: 21.03 min Scan# 2159

Delta R.T. 0.04 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

Instrument :

BNA_N

ClientSampleId :

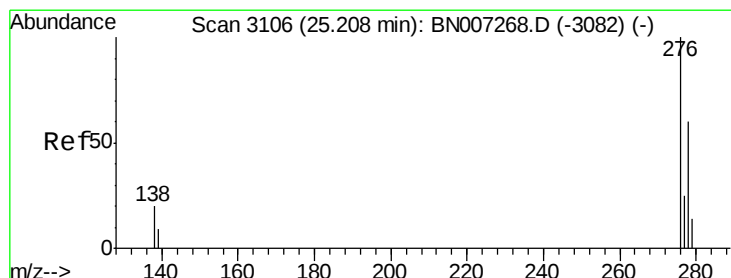
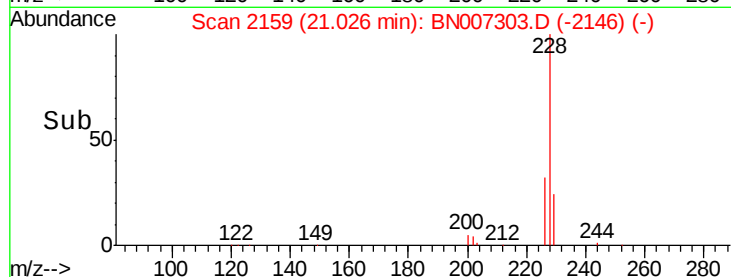
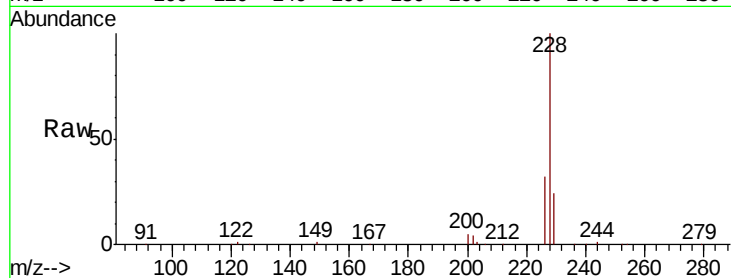
Tot Ion:149 Resp: 42347

Ion Ratio Lower Upper

149 100

167 6.7 23.8 35.6#

279 0.0 3.8 5.8#



#33

Indeno(1,2,3-cd)pyrene

Concen: 63.886 ng

RT: 25.26 min Scan# 3123

Delta R.T. 0.05 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

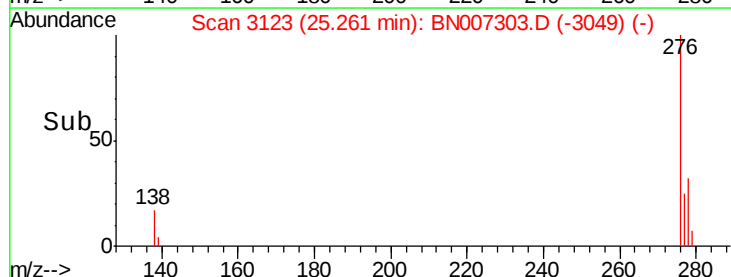
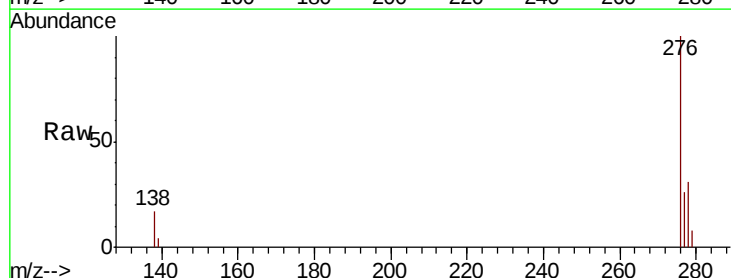
Tgt Ion:276 Resp: 8989148

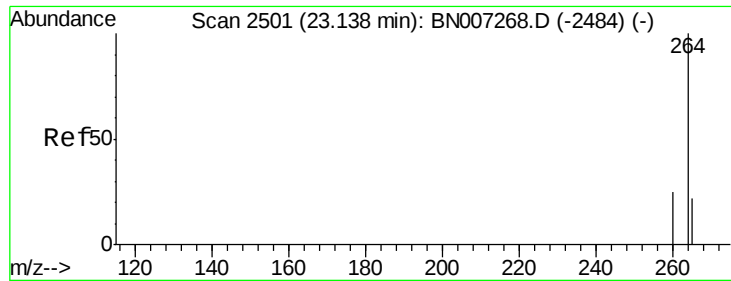
Ion Ratio Lower Upper

276 100

138 16.5 17.1 25.7#

277 24.9 20.1 30.1

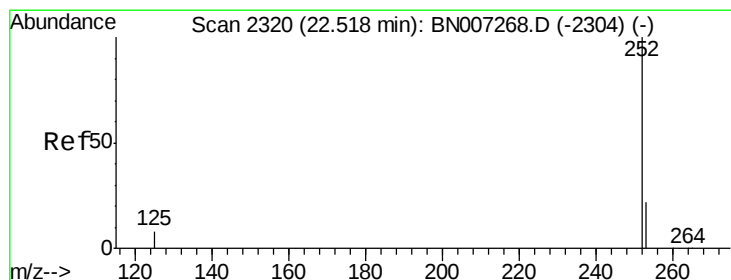
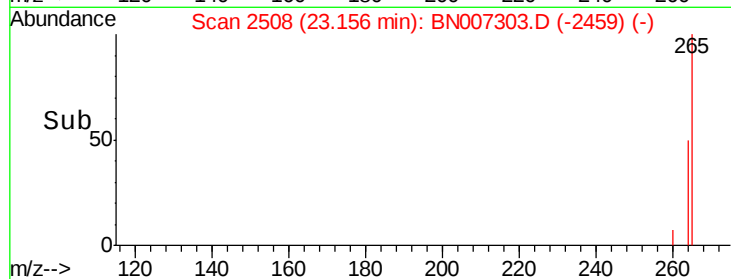
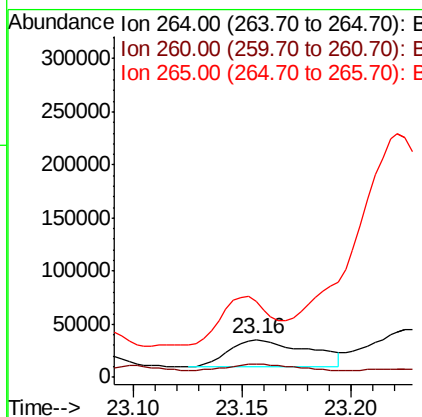
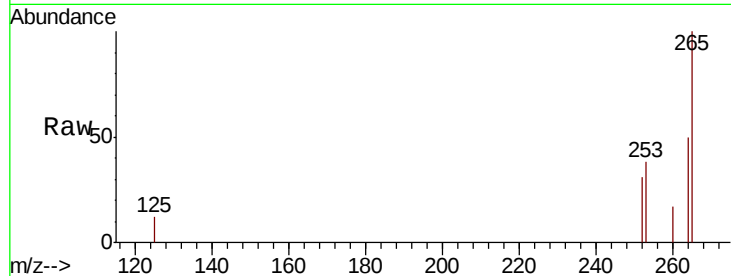




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2508
 Delta R.T. 0.02 min
 Lab File: BN007303.D
 Acq: 21 Aug 2019 22:58

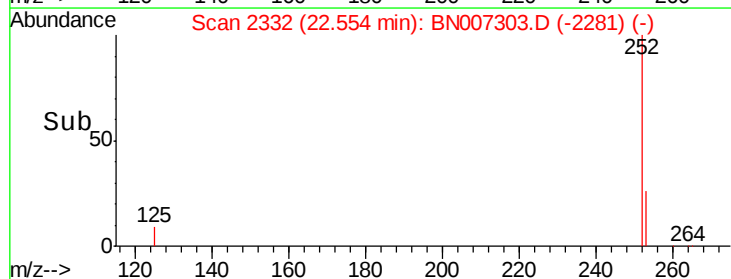
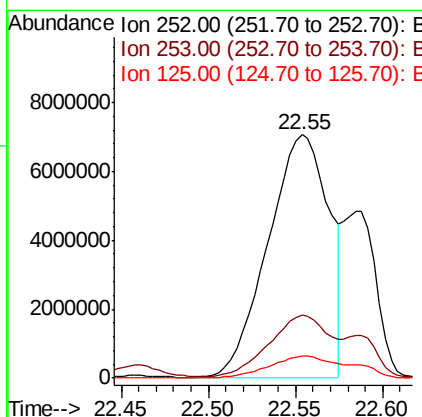
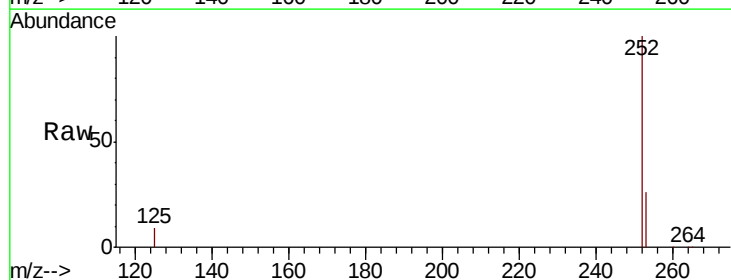
Instrument :
 BNA_N
 ClientSampleId :

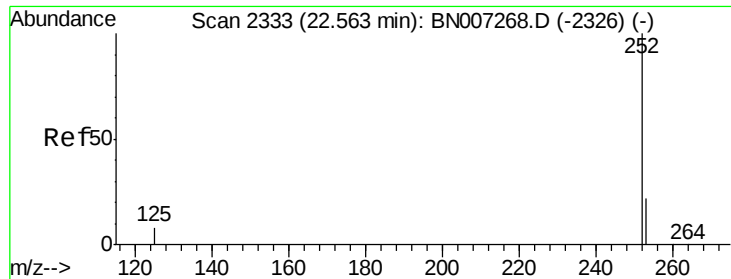
Tot Ion:264 Resp: 64431
 Ion Ratio Lower Upper
 264 100
 260 34.3 20.1 30.1#
 265 200.7 29.0 43.6#



#35
 Benzo(b)fluoranthene
 Concen: 71.277 ng
 RT: 22.55 min Scan# 2332
 Delta R.T. 0.04 min
 Lab File: BN007303.D
 Acq: 21 Aug 2019 22:58

Tgt Ion:252 Resp:17120732
 Ion Ratio Lower Upper
 252 100
 253 25.9 18.5 27.7
 125 9.0 7.8 11.6





#36

Benzo(k)fluoranthene

Concen: 72.755 ng

RT: 22.55 min Scan# 2332

Delta R.T. -0.01 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

Instrument :

BNA_N

ClientSampleId :

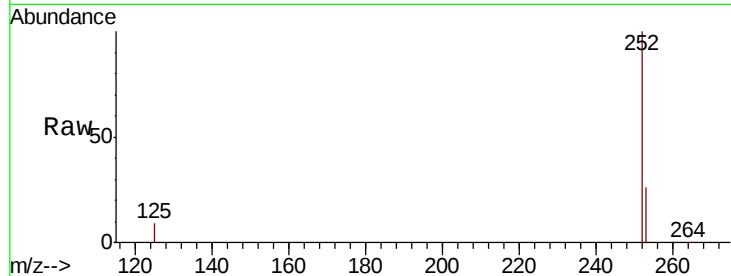
Tot Ion:252 Resp:17120732

Ion Ratio Lower Upper

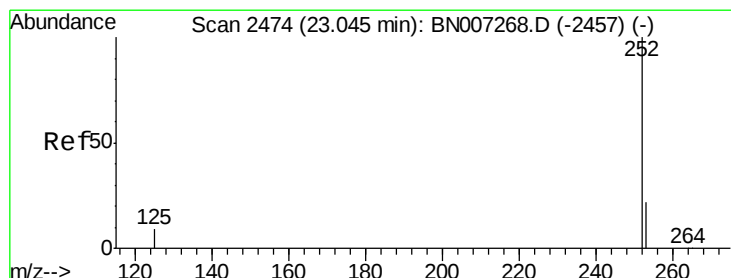
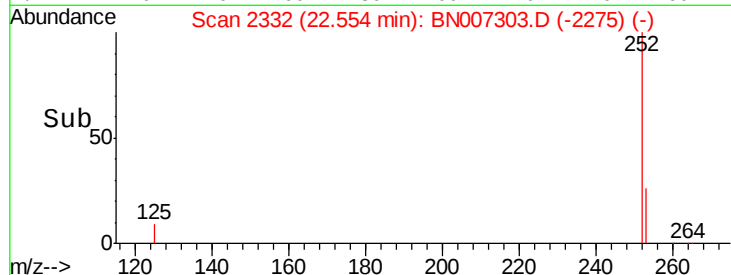
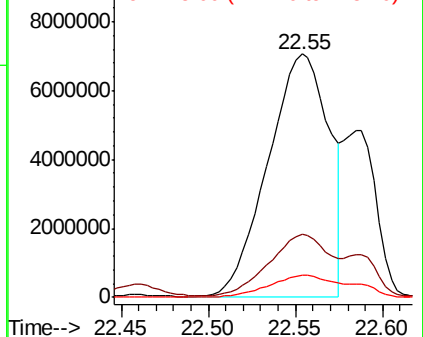
252 100

253 25.9 18.4 27.6

125 9.0 8.0 12.0



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



#37

Benzo(a)pyrene

Concen: 57.180 ng

RT: 23.08 min Scan# 2487

Delta R.T. 0.04 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

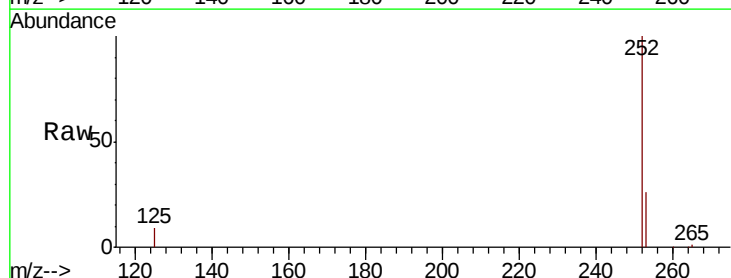
Tgt Ion:252 Resp:12378291

Ion Ratio Lower Upper

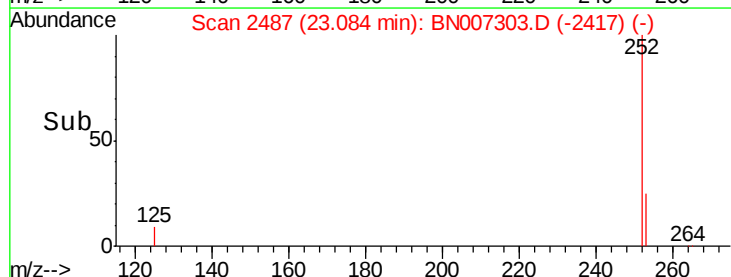
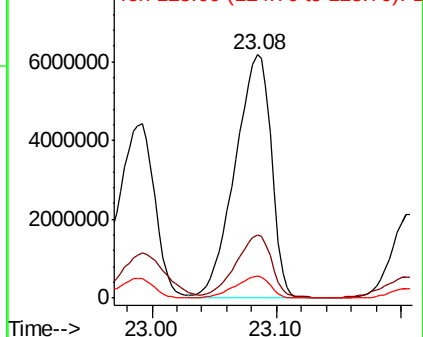
252 100

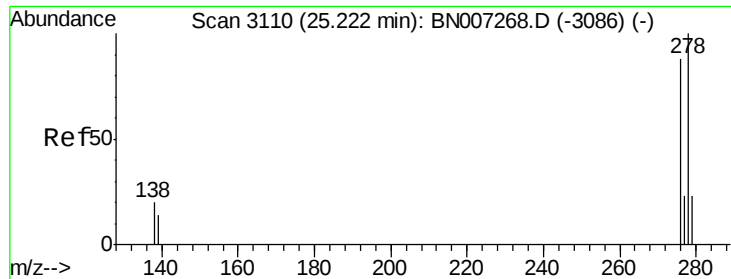
253 25.8 18.7 28.1

125 8.9 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: 11.169 ng

RT: 25.26 min Scan# 3123

Delta R.T. 0.04 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

Instrument :

BNA_N

ClientSampleId :

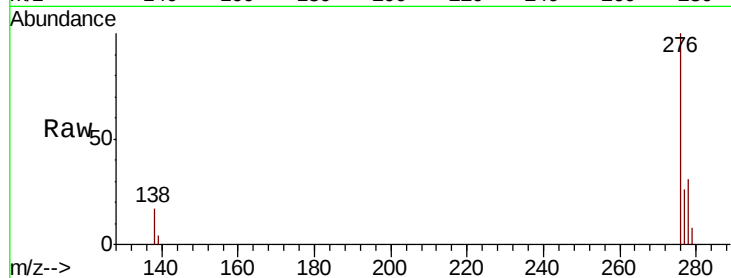
Tot Ion:278 Resp: 2540167

Ion Ratio Lower Upper

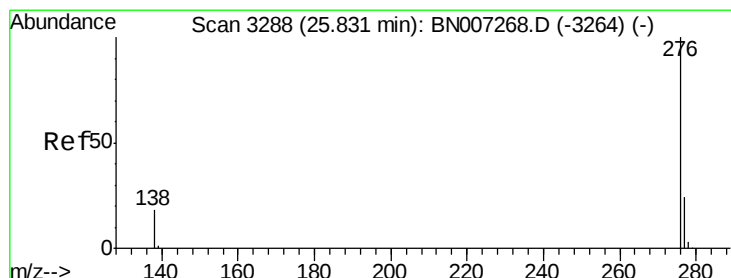
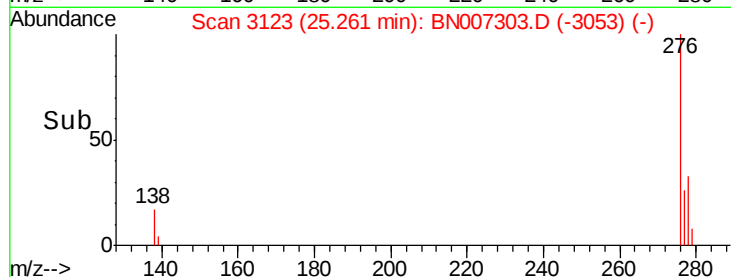
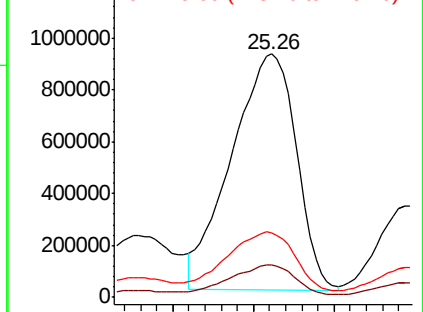
278 100

139 13.1 11.8 17.8

279 26.6 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(g,h,i)perylene

Concen: 36.954 ng

RT: 25.90 min Scan# 3310

Delta R.T. 0.07 min

Lab File: BN007303.D

Acq: 21 Aug 2019 22:58

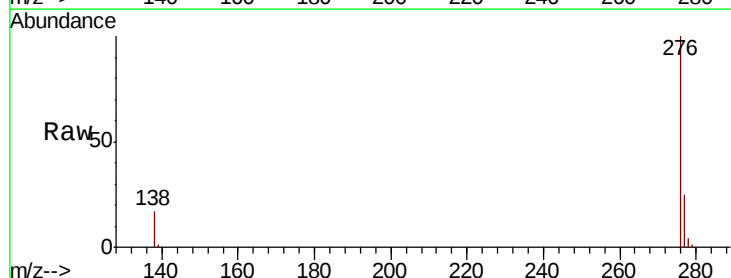
Tgt Ion:276 Resp: 8494935

Ion Ratio Lower Upper

276 100

277 25.4 19.5 29.3

138 17.0 15.3 22.9



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

