

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081019\
 Data File : BN007063.D
 Acq On : 11 Aug 2019 00:10
 Operator : HP/JU
 Sample : K4239-03MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 12 04:38:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 10 21:44:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	7875	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	29451	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	17167	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	42785	0.40	ng	0.00
26) Chrysene-d12	21.04	240	45349	0.40	ng	-0.02
32) Perylene-d12	23.16	264	50287	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	6297	0.33	ng	0.00
4) Phenol-d6	6.61	99	8644	0.37	ng	0.00
7) Nitrobenzene-d5	8.56	82	6643	0.28	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	20331	0.37	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1687	0.18	ng	0.00
14) 2-Fluorobiphenyl	12.70	172	7052	0.28	ng	0.00
24) Fluoranthene-d10	18.87	212	42222	0.28	ng	0.00
28) Terphenyl-d14	19.49	244	33162	0.27	ng	-0.01

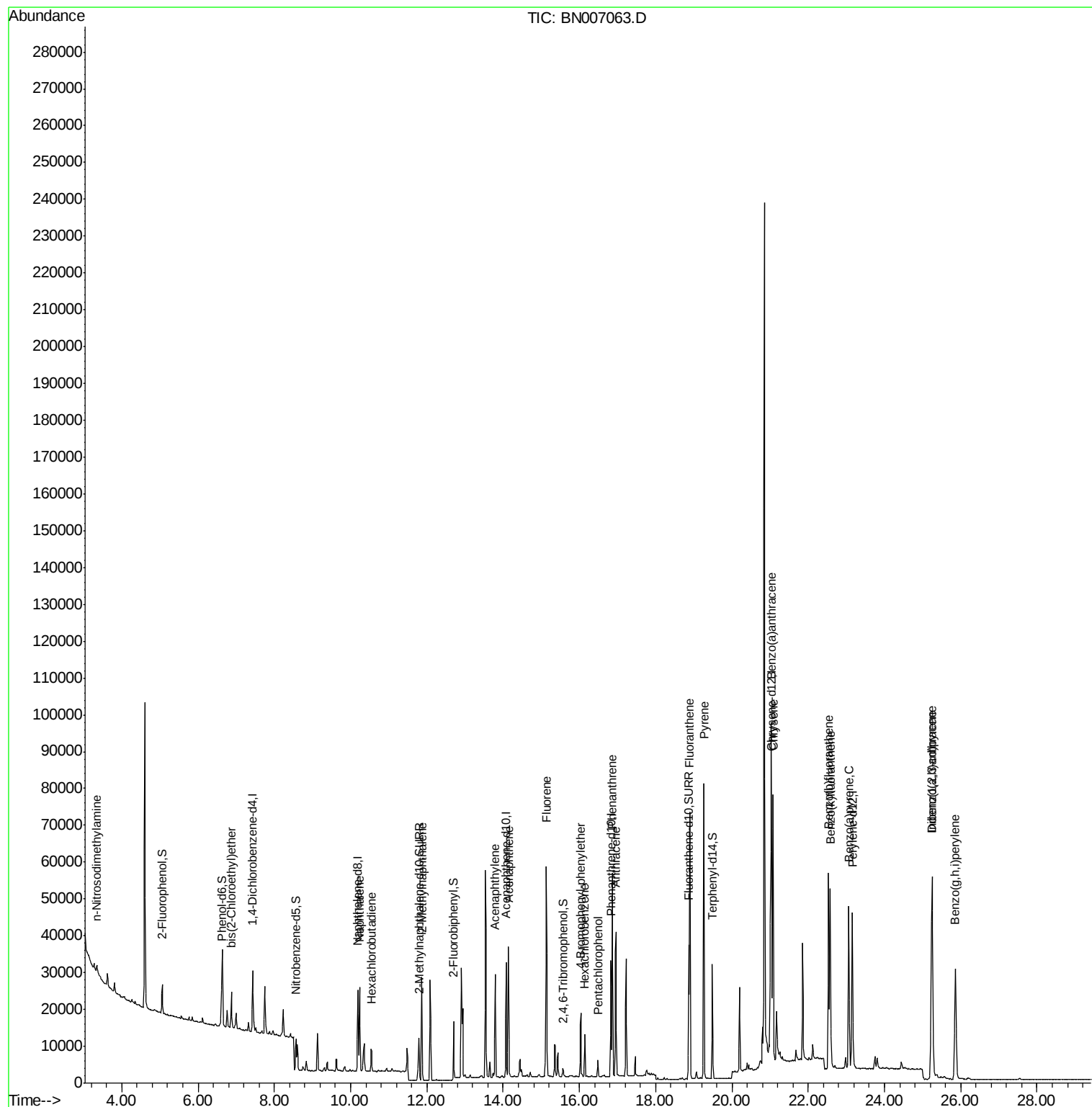
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.34	42	1824	0.352	ng	# 85
5) bis(2-Chloroethyl)ether	6.87	93	7624	0.368	ng	99
8) Naphthalene	10.24	128	28406	0.344	ng	99
9) Hexachlorobutadiene	10.54	225	5630	0.320	ng	# 99
11) 2-Methylnaphthalene	11.86	142	20260	0.346	ng	97
15) Acenaphthylene	13.79	152	31791	0.354	ng	100
16) Acenaphthene	14.14	154	19107	0.332	ng	100
17) Fluorene	15.13	166	25942	0.302	ng	99
19) 4-Bromophenyl-phenylether	16.04	248	10210	0.386	ng	96
20) Hexachlorobenzene	16.14	284	8545	0.336	ng	100
21) Pentachlorophenol	16.48	266	2205	0.232	ng	99
22) Phenanthrene	16.87	178	54191	0.423	ng	100
23) Anthracene	16.96	178	43090	0.368	ng	99
25) Fluoranthene	18.90	202	67106	0.409	ng	100
27) Pyrene	19.26	202	72936	0.459	ng	99
29) Benzo(a)anthracene	21.03	228	64438	0.389	ng	100
30) Chrysene	21.08	228	66154	0.411	ng	99
31) Indeno(1,2,3-cd)pyrene	25.24	276	69514	0.391	ng	99
33) Benzo(b)fluoranthene	22.54	252	65089	0.377	ng	99
34) Benzo(k)fluoranthene	22.58	252	61714	0.362	ng	99
35) Benzo(a)pyrene	23.06	252	59281	0.379	ng	99
36) Dibenzo(a,h)anthracene	25.25	278	56266	0.361	ng	99
37) Benzo(g,h,i)perylene	25.86	276	60069	0.374	ng	99

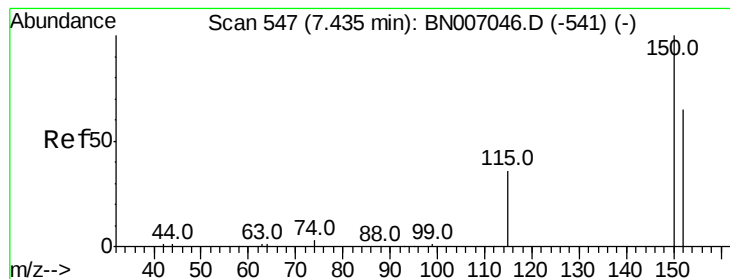
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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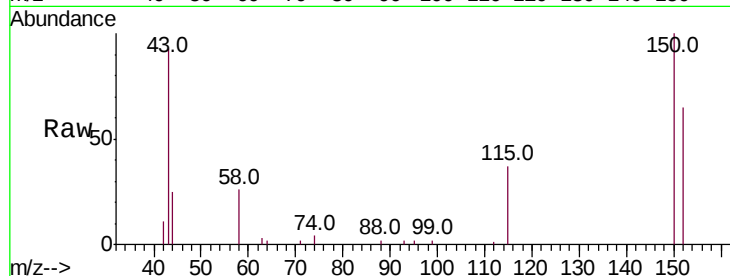


#1

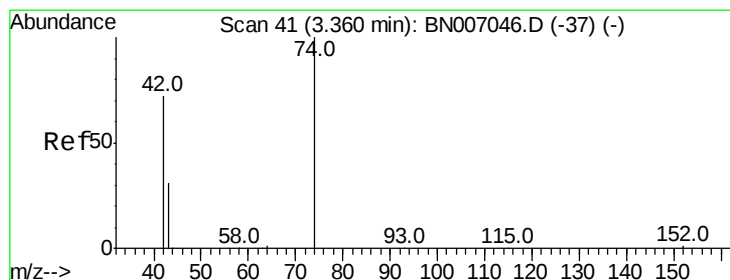
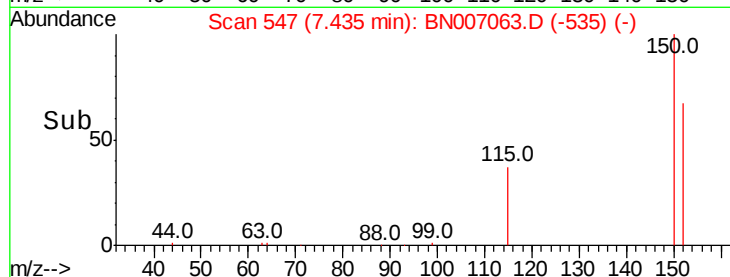
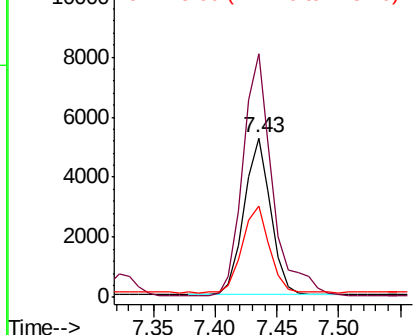
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007063.D
Acq: 11 Aug 2019 00:10

Instrument :
BNA_N
ClientSampled :

Tot Ion:152 Resp: 7875
Ion Ratio Lower Upper
152 100
150 152.8 121.7 182.5
115 57.0 46.2 69.4



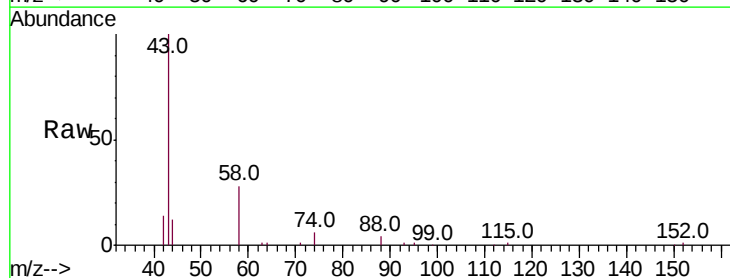
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



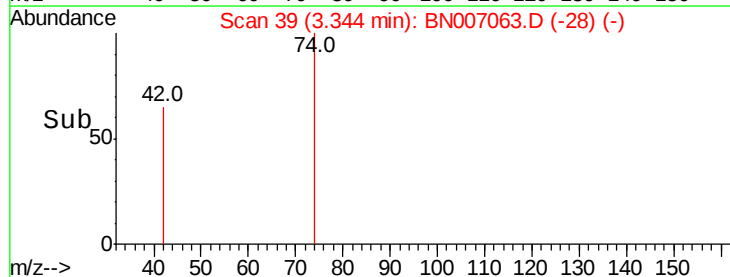
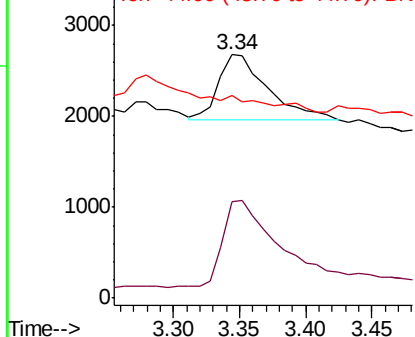
#2

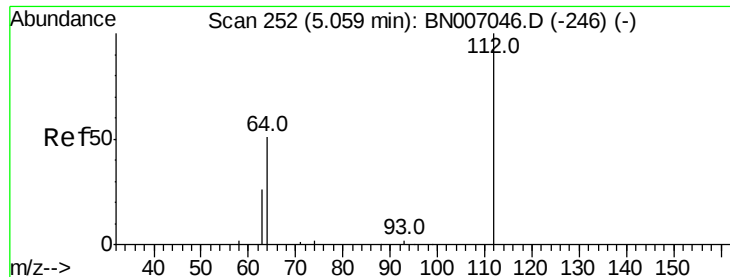
n-Nitrosodimethylamine
Concen: 0.352 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007063.D
Acq: 11 Aug 2019 00:10

Tgt Ion: 42 Resp: 1824
Ion Ratio Lower Upper
42 100
74 157.0 110.6 166.0
44 0.0 0.0 0.0



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





#3

2-Fluorophenol

Concen: 0.333 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

Instrument :

BNA_N

ClientSampled :

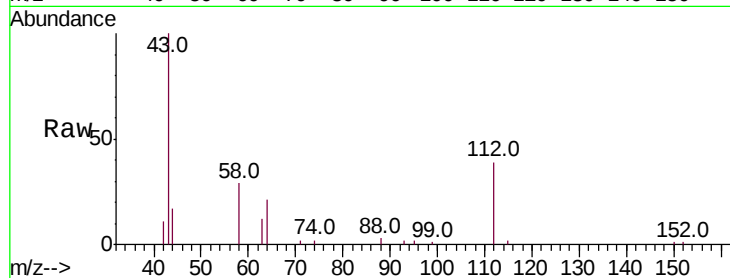
Tot Ion:112 Resp: 6297

Ion Ratio Lower Upper

112 100

64 52.7 42.6 63.8

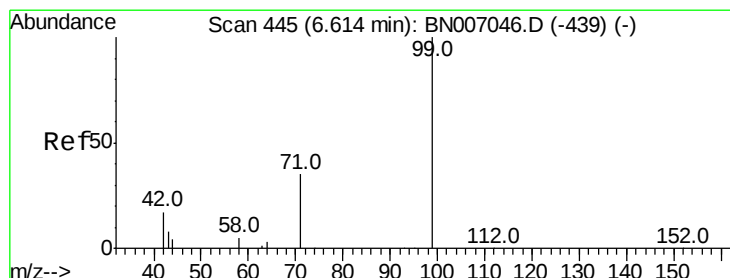
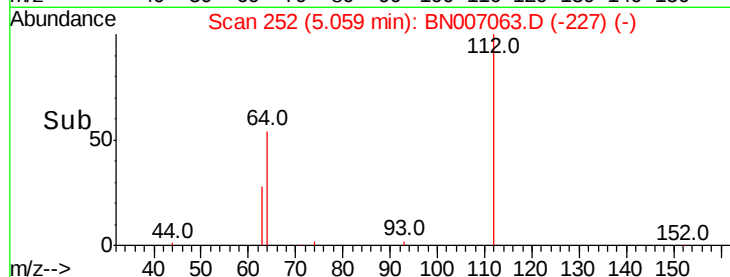
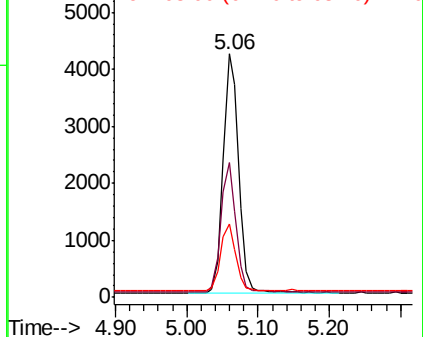
63 27.9 22.2 33.2



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



#4

Phenol-d6

Concen: 0.369 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

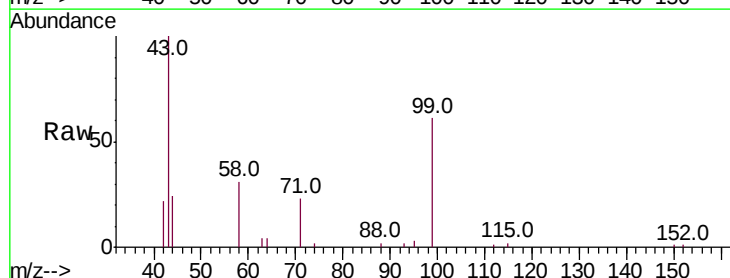
Tgt Ion: 99 Resp: 8644

Ion Ratio Lower Upper

99 100

42 32.2 15.8 23.6#

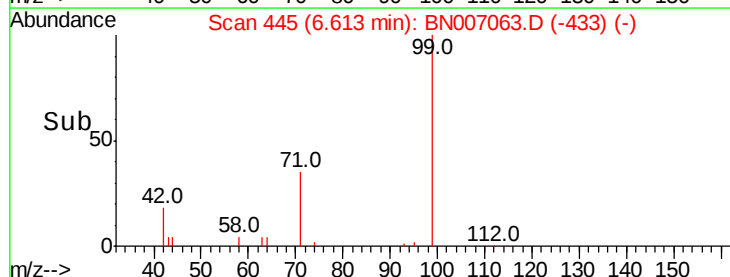
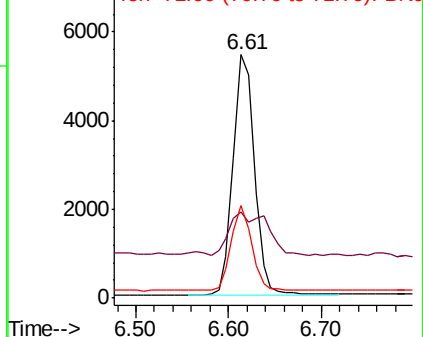
71 33.7 27.0 40.4

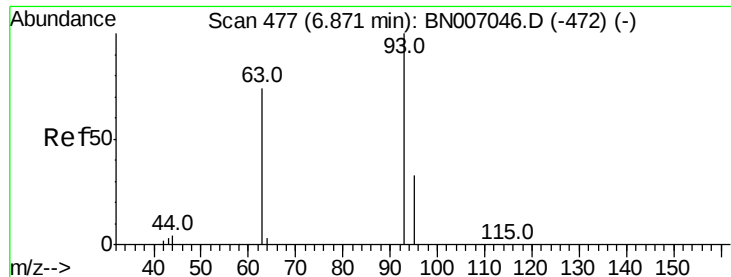


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#5

bis(2-Chloroethyl)ether

Concen: 0.368 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.00 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

Instrument :

BNA_N

ClientSampleId :

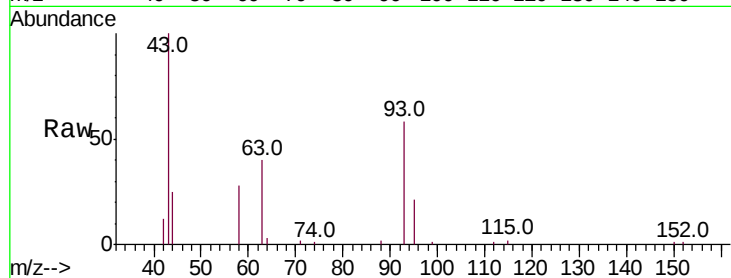
Tot Ion: 93 Resp: 7624

Ion Ratio Lower Upper

93 100

63 70.6 55.6 83.4

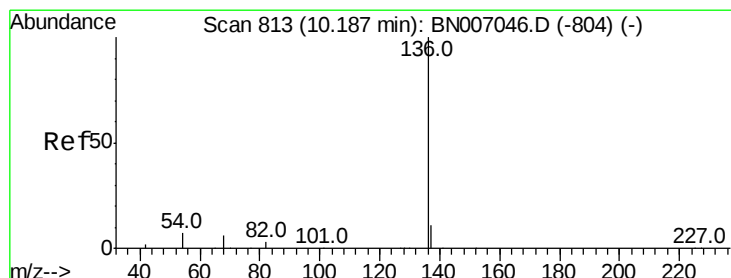
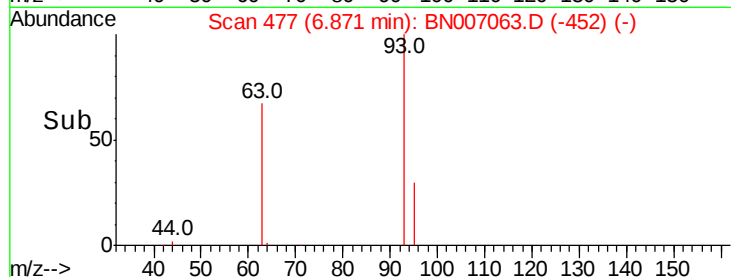
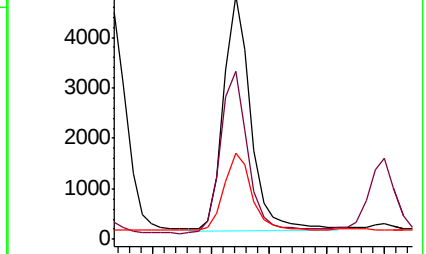
95 33.6 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN007046.D (-472) (-)

Ion 63.00 (62.70 to 63.70): BN007046.D (-472) (-)

Ion 95.00 (94.70 to 95.70): BN007046.D (-472) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

Tgt Ion: 136 Resp: 29451

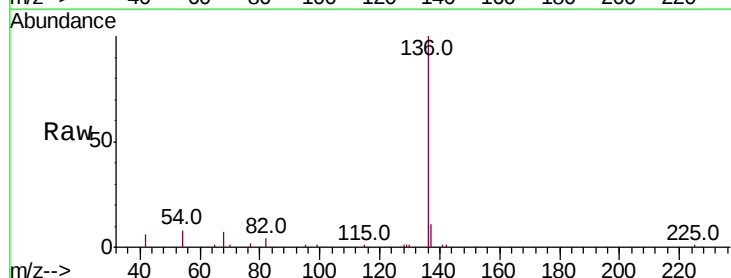
Ion Ratio Lower Upper

136 100

137 11.3 9.4 14.0

54 7.8 6.6 9.8

68 6.9 6.0 9.0

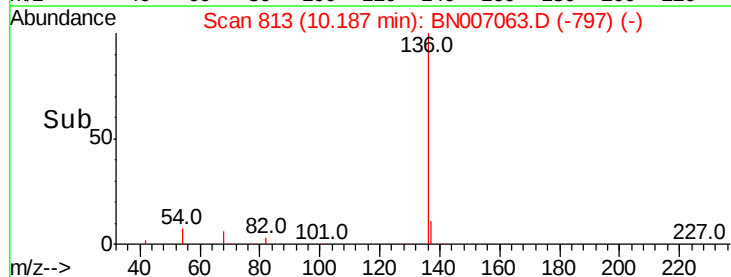
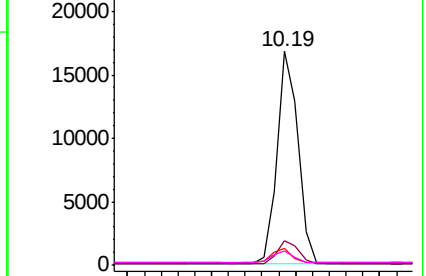


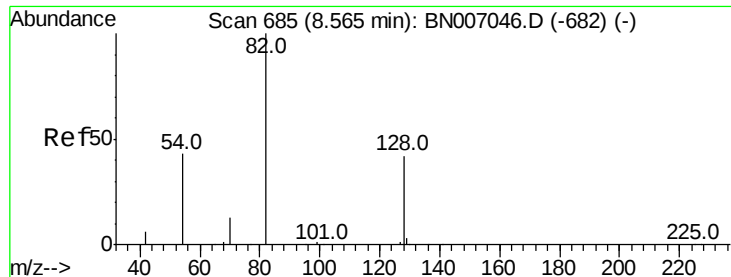
Abundance Ion 136.00 (135.70 to 136.70): BN007046.D (-804) (-)

Ion 137.00 (136.70 to 137.70): BN007046.D (-804) (-)

Ion 54.00 (53.70 to 54.70): BN007046.D (-804) (-)

Ion 68.00 (67.70 to 68.70): BN007046.D (-804) (-)





#7

Nitrobenzene-d5

Concen: 0.280 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

Instrument :

BNA_N

ClientSampled :

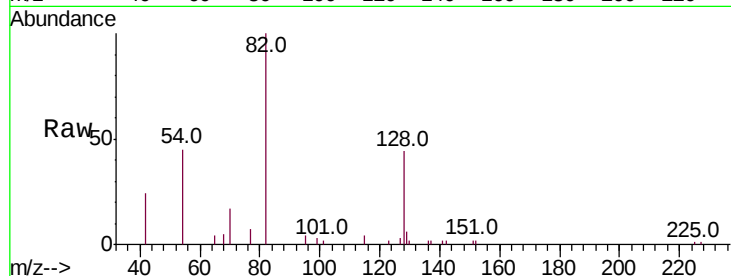
Tot Ion: 82 Resp: 6643

Ion Ratio Lower Upper

82 100

128 43.8 34.6 51.8

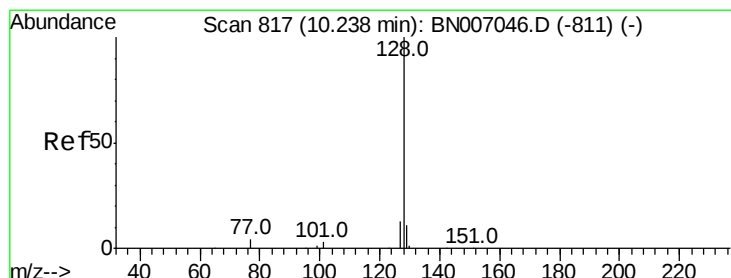
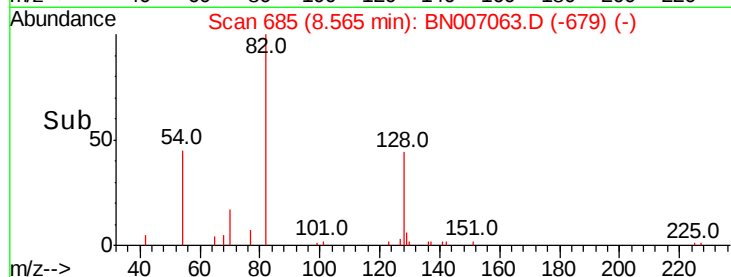
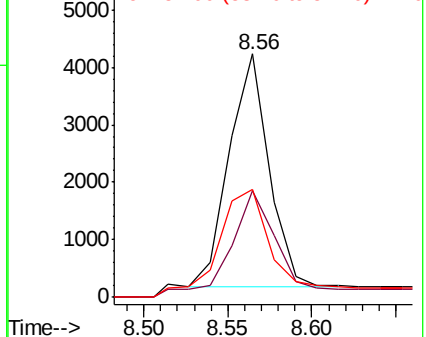
54 44.5 36.2 54.4



Abundance Ion 82.00 (81.70 to 82.70): BN007046.D (-682) (-)

Ion 128.00 (127.70 to 128.70): BN007046.D (-682) (-)

Ion 54.00 (53.70 to 54.70): BN007046.D (-682) (-)



#8

Naphthalene

Concen: 0.344 ng

RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

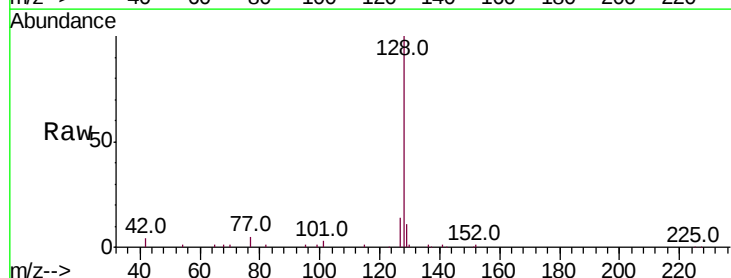
Tgt Ion: 128 Resp: 28406

Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.2

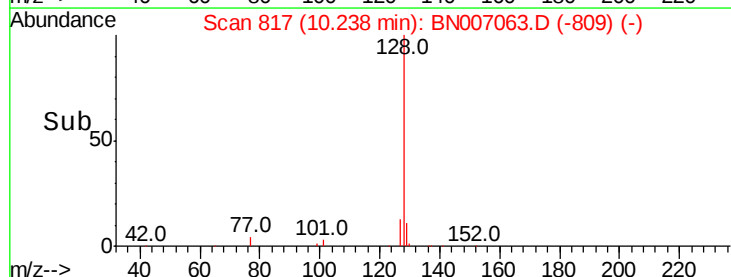
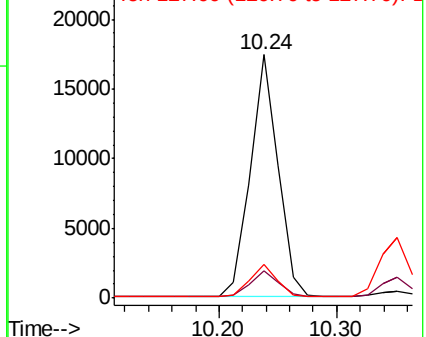
127 13.7 11.0 16.6

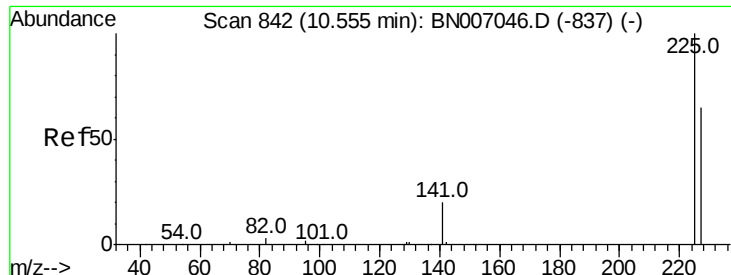


Abundance Ion 128.00 (127.70 to 128.70): BN007046.D (-811) (-)

Ion 129.00 (128.70 to 129.70): BN007046.D (-811) (-)

Ion 127.00 (126.70 to 127.70): BN007046.D (-811) (-)





#9

Hexachlorobutadiene

Concen: 0.320 ng

RT: 10.54 min Scan# 841

Delta R.T. -0.01 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

Instrument :

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ClientSampleId :

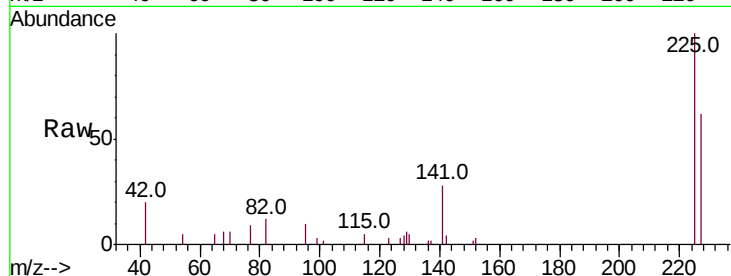
Tot Ion:225 Resp: 5630

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

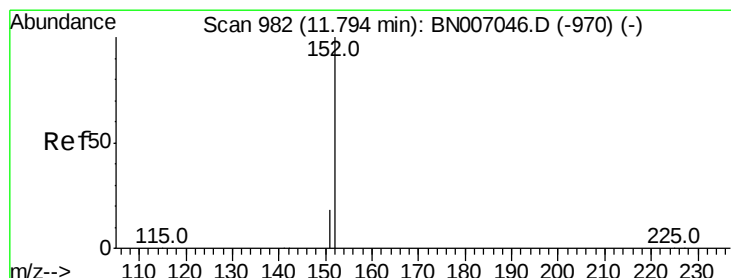
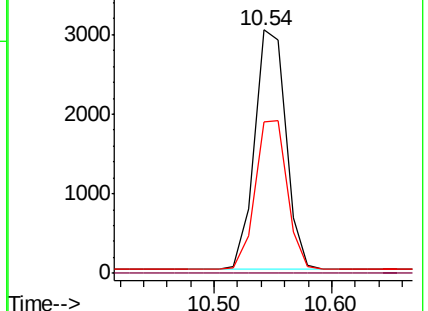
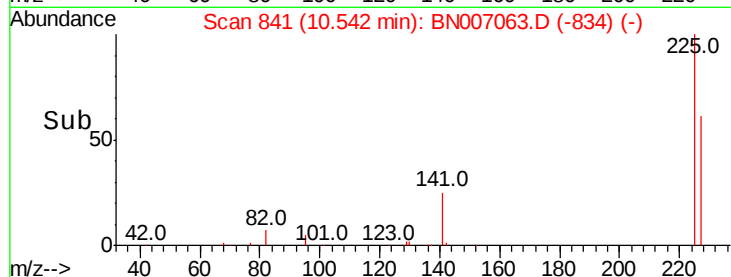
227 62.9 51.1 76.7



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



#10

2-Methylnaphthalene-d10

Concen: 0.370 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.00 min

Lab File: BN007063.D

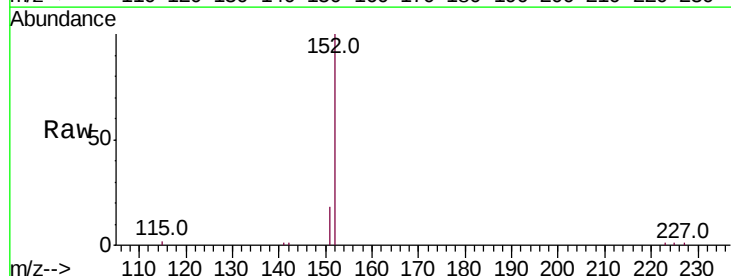
Acq: 11 Aug 2019 00:10

Tgt Ion:152 Resp: 20331

Ion Ratio Lower Upper

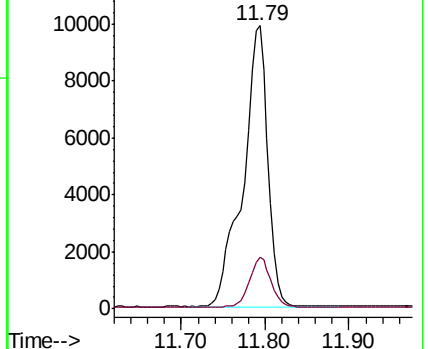
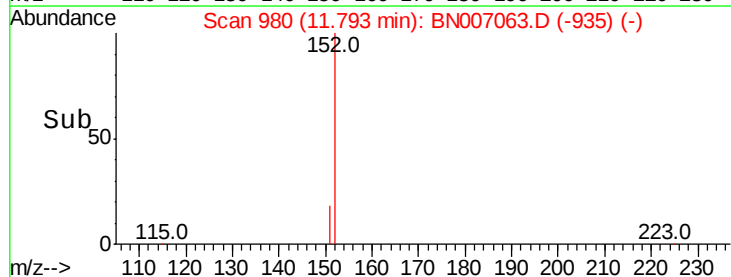
152 100

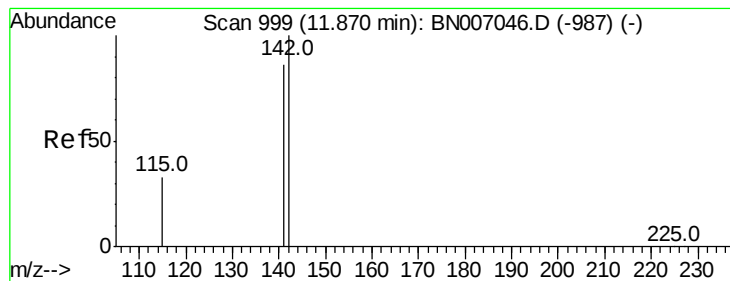
151 15.3 15.5 23.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#11

2-Methylnaphthalene

Concen: 0.346 ng

RT: 11.86 min Scan# 996

Delta R.T. -0.01 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

Instrument :

BNA_N

ClientSampleId :

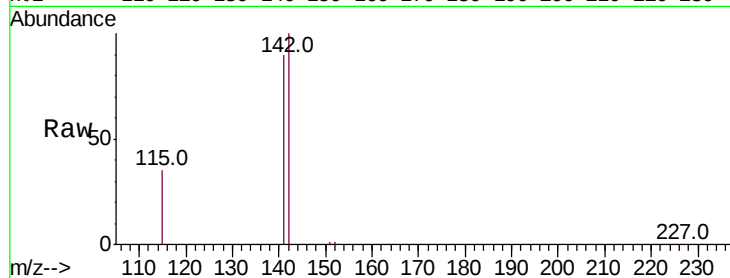
Tot Ion:142 Resp: 20260

Ion Ratio Lower Upper

142 100

141 89.6 69.0 103.6

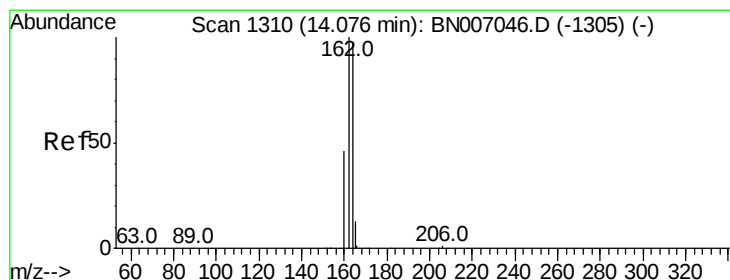
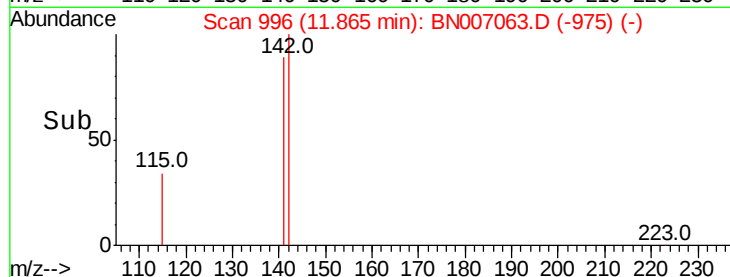
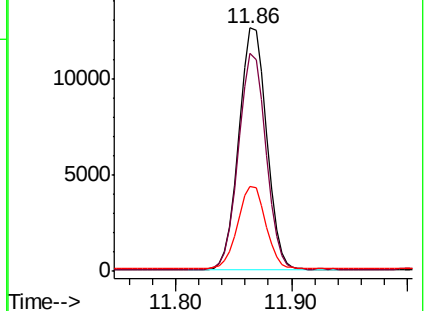
115 35.1 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1308

Delta R.T. -0.00 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

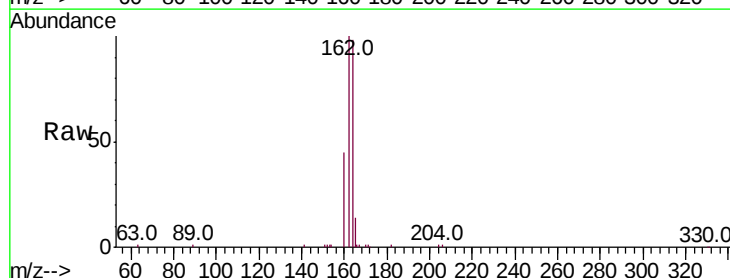
Tgt Ion:164 Resp: 17167

Ion Ratio Lower Upper

164 100

162 102.4 82.2 123.4

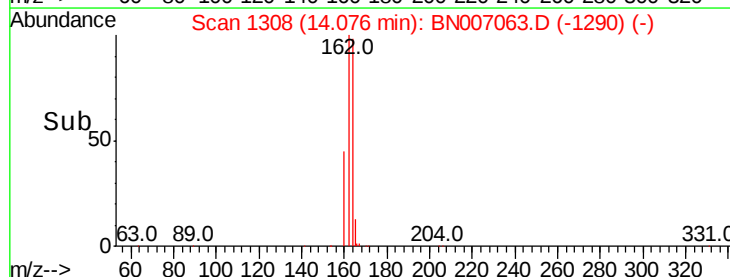
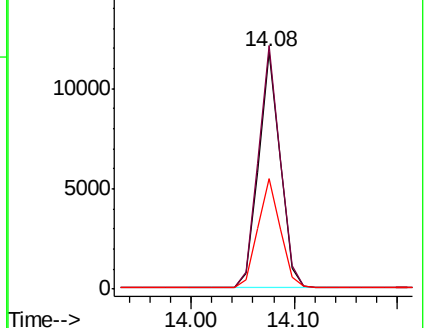
160 46.4 38.3 57.5

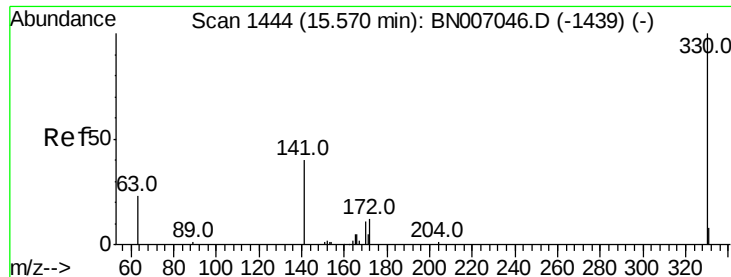


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

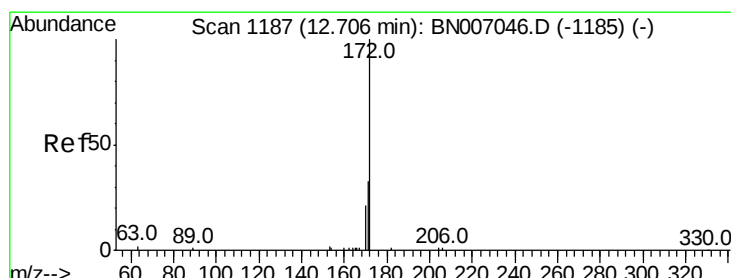
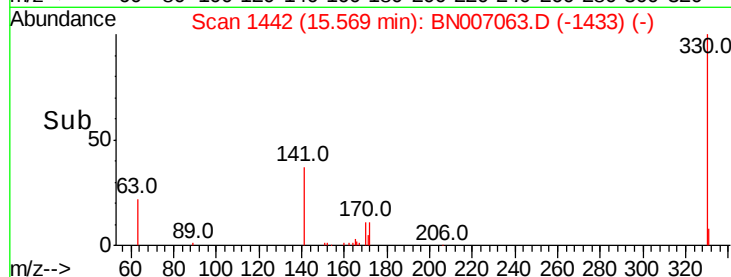
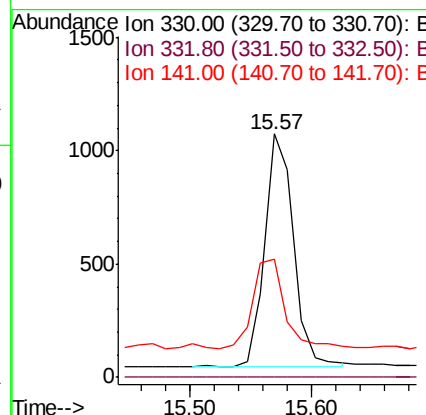
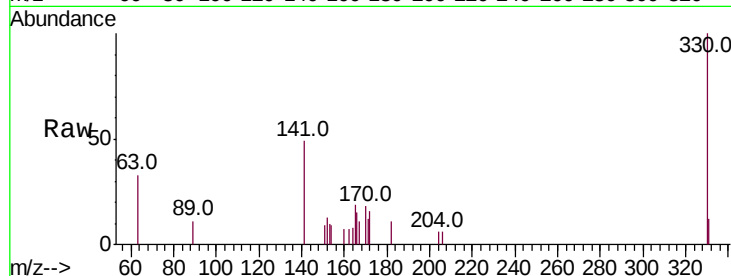




#13
 2,4,6-Tribromophenol
 Concen: 0.182 ng
 RT: 15.57 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: BN007063.D
 Acq: 11 Aug 2019 00:10

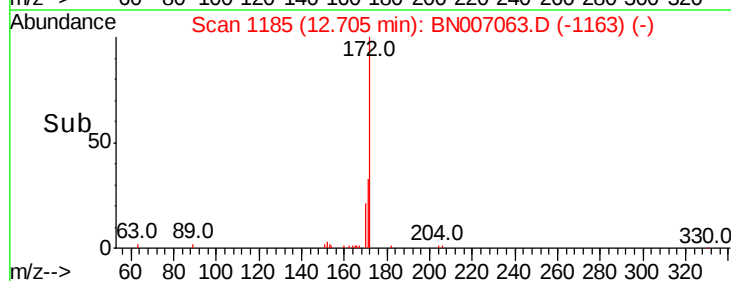
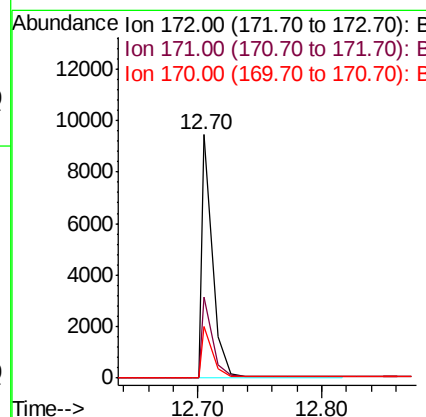
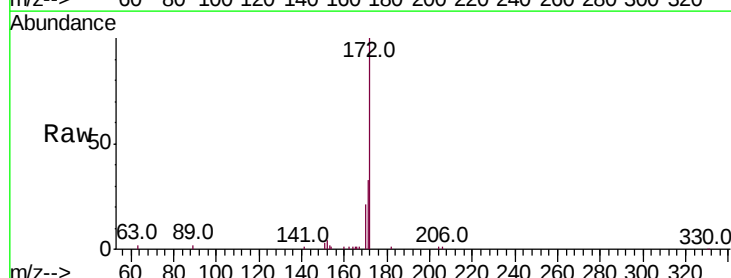
Instrument :
 BNA_N
 ClientSampleId :

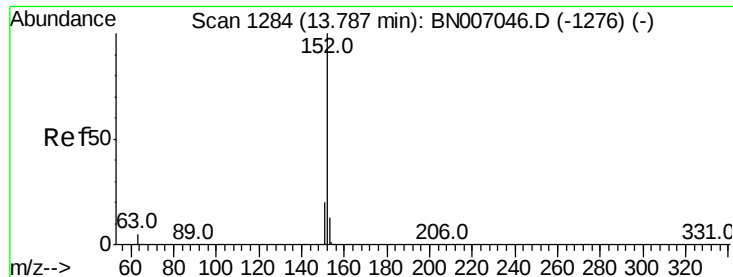
Tot Ion:330 Resp: 1687
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 44.5 33.6 50.4



#14
 2-Fluorobiphenyl
 Concen: 0.283 ng
 RT: 12.70 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: BN007063.D
 Acq: 11 Aug 2019 00:10

Tgt Ion:172 Resp: 7052
 Ion Ratio Lower Upper
 172 100
 171 33.4 26.3 39.5
 170 21.0 17.0 25.4





#15

Acenaphthylene

Concen: 0.354 ng

RT: 13.79 min Scan# 1282

Delta R.T. -0.00 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

Instrument :

BNA_N

ClientSampleId :

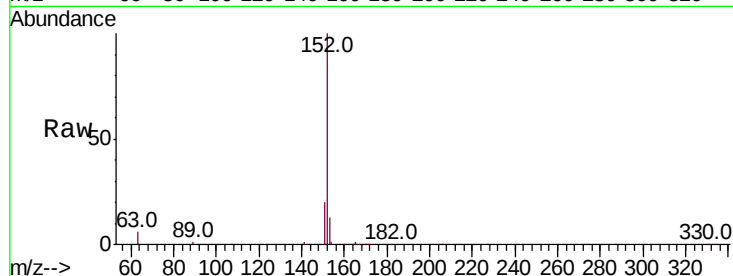
Tot Ion:152 Resp: 31791

Ion Ratio Lower Upper

152 100

151 19.6 15.8 23.6

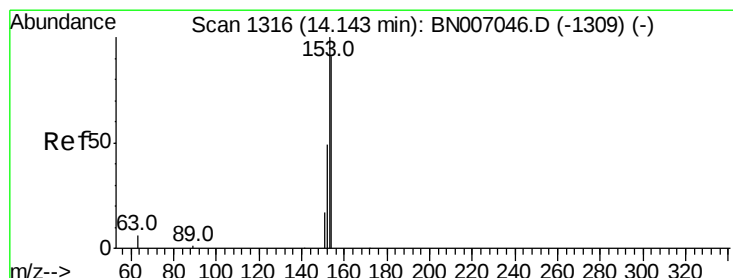
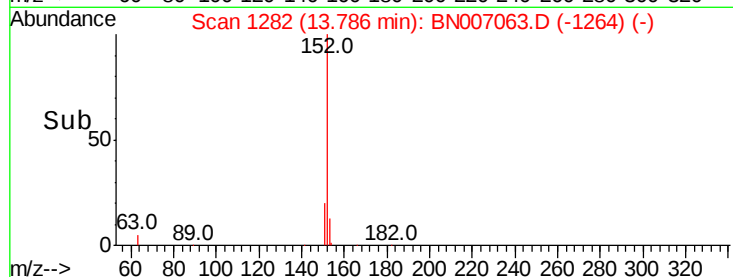
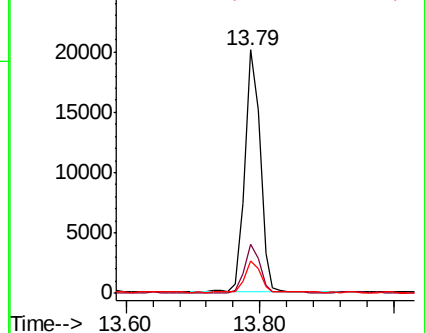
153 13.0 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 0.332 ng

RT: 14.14 min Scan# 1314

Delta R.T. -0.00 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

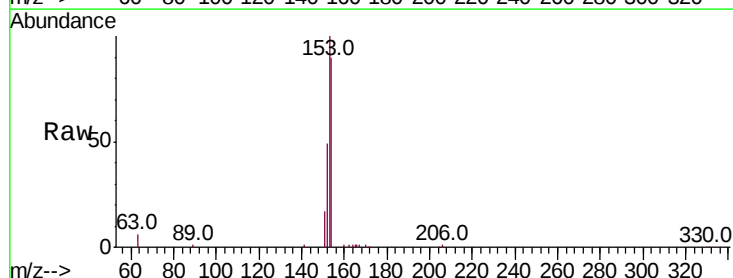
Tgt Ion:154 Resp: 19107

Ion Ratio Lower Upper

154 100

153 112.3 89.5 134.3

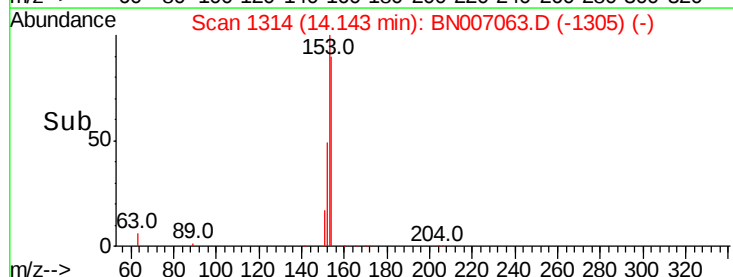
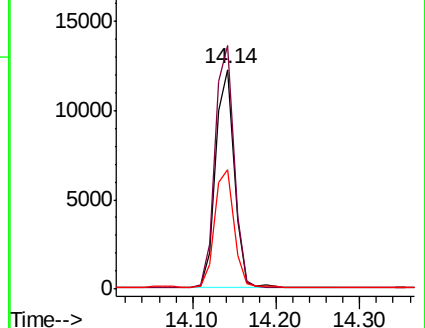
152 55.8 44.8 67.2

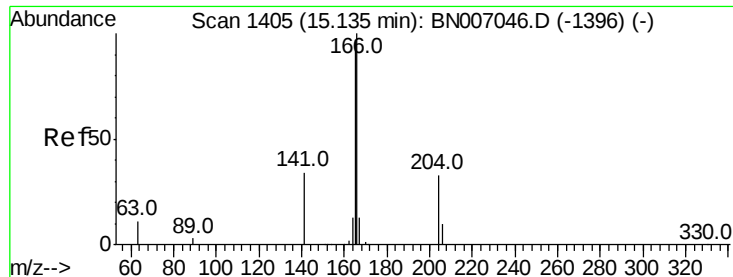


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

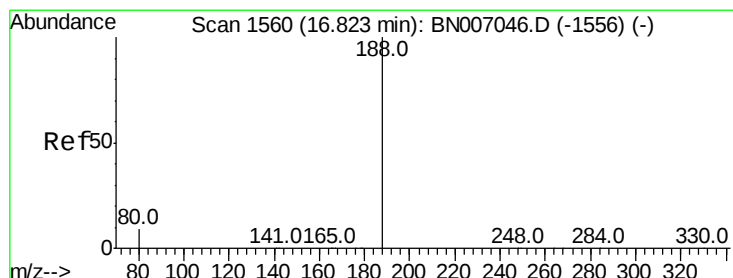
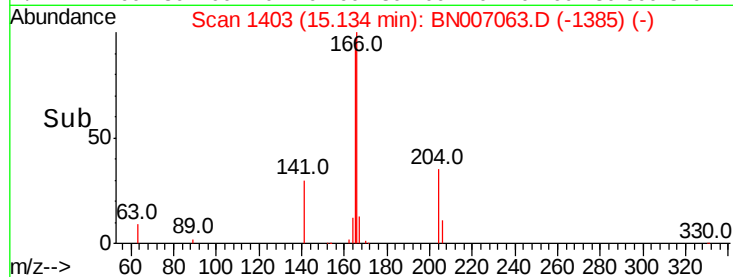
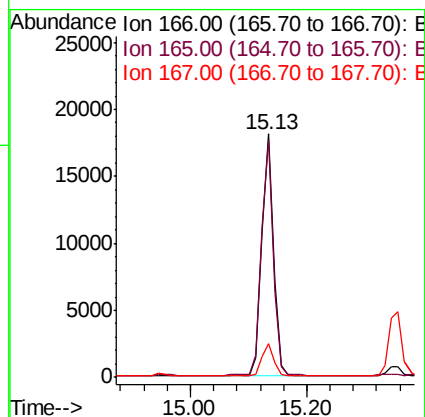
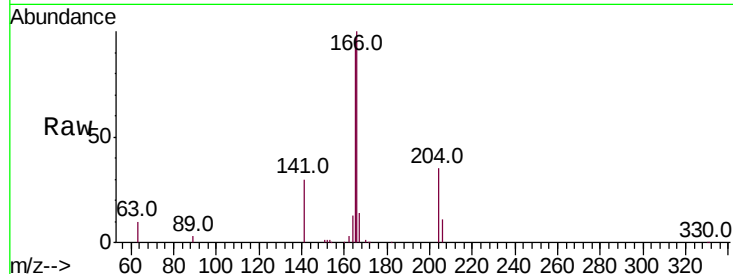




#17
 Fluorene
 Concen: 0.302 ng
 RT: 15.13 min Scan# 1403
 Delta R.T. -0.00 min
 Lab File: BN007063.D
 Acq: 11 Aug 2019 00:10

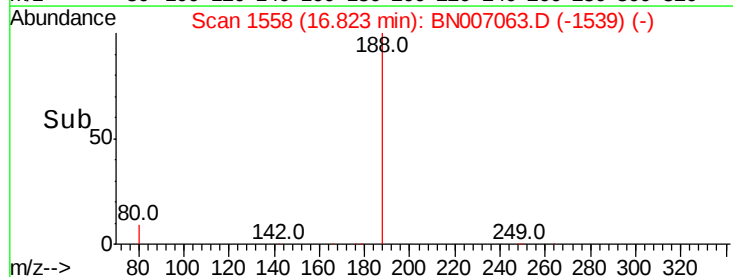
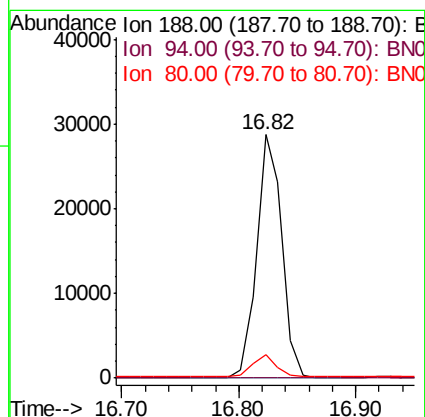
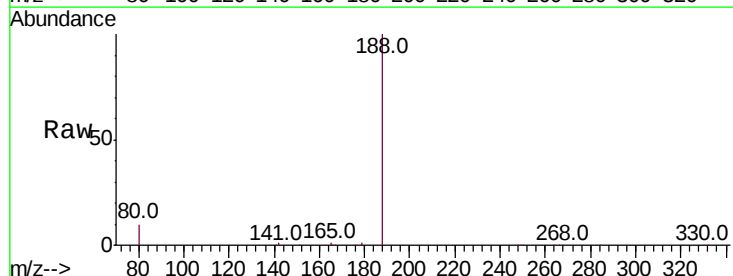
Instrument :
 BNA_N
 ClientSampleId :

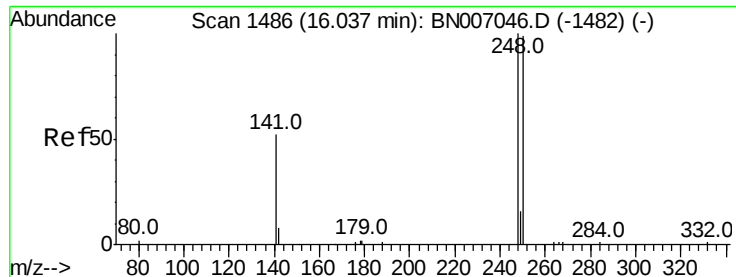
Tot Ion:166 Resp: 25942
 Ion Ratio Lower Upper
 166 100
 165 98.1 77.9 116.9
 167 13.8 10.9 16.3



#18
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BN007063.D
 Acq: 11 Aug 2019 00:10

Tgt Ion:188 Resp: 42785
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 9.6 7.8 11.6





#19

4-Bromophenyl-phenylether

Concen: 0.386 ng

RT: 16.04 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

Instrument :

BNA_N

ClientSampleId :

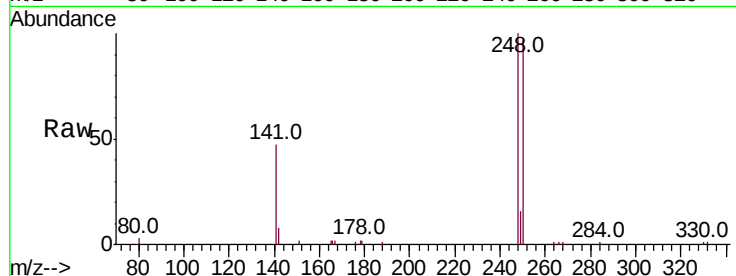
Tot Ion:248 Resp: 10210

Ion Ratio Lower Upper

248 100

250 96.9 78.9 118.3

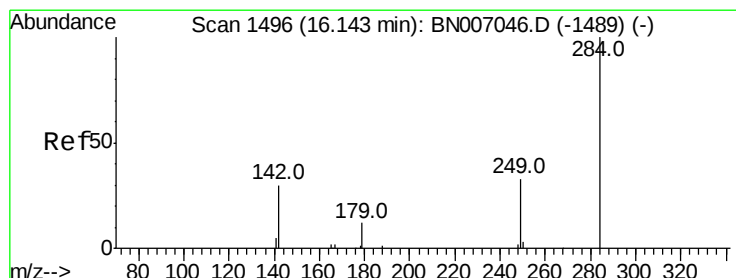
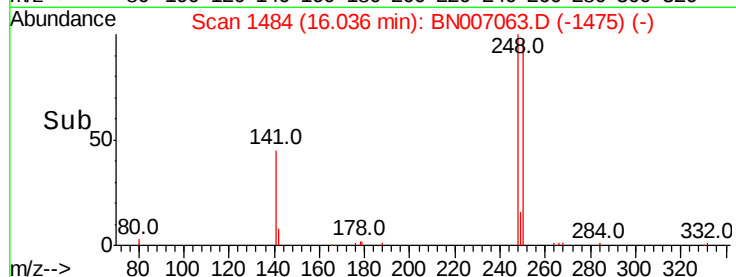
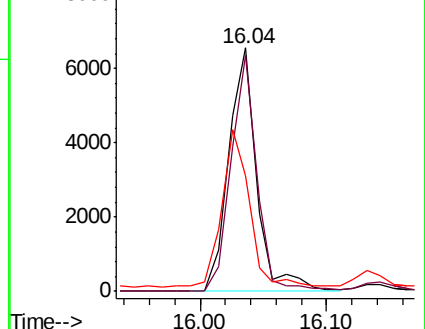
141 47.4 43.3 64.9



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



#20

Hexachlorobenzene

Concen: 0.336 ng

RT: 16.14 min Scan# 1494

Delta R.T. -0.00 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

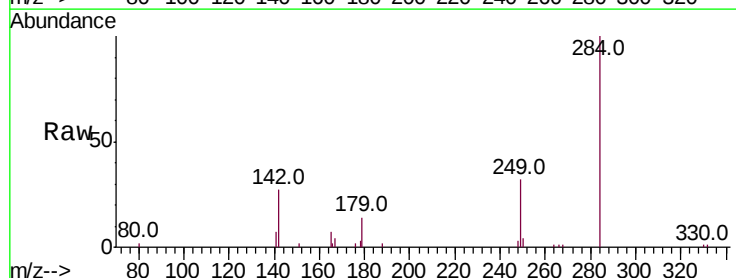
Tgt Ion:284 Resp: 8545

Ion Ratio Lower Upper

284 100

142 38.0 30.5 45.7

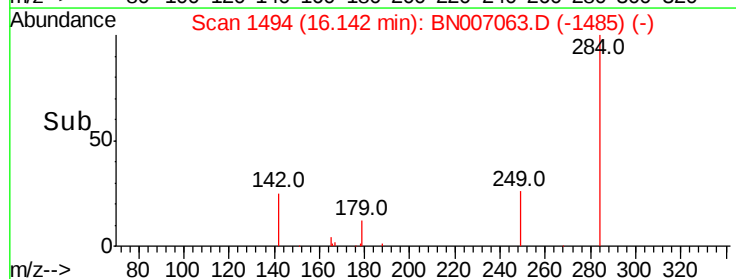
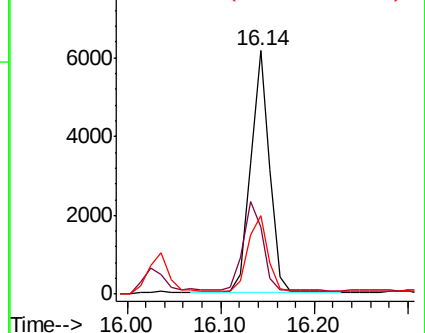
249 33.2 26.7 40.1

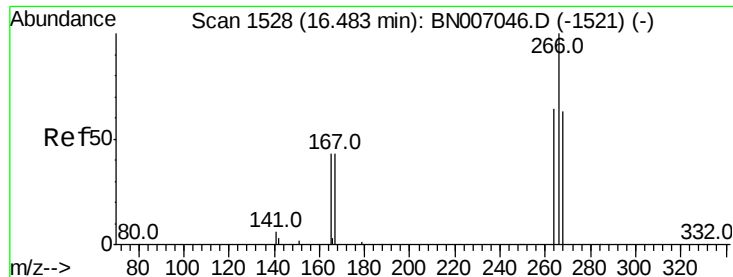


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

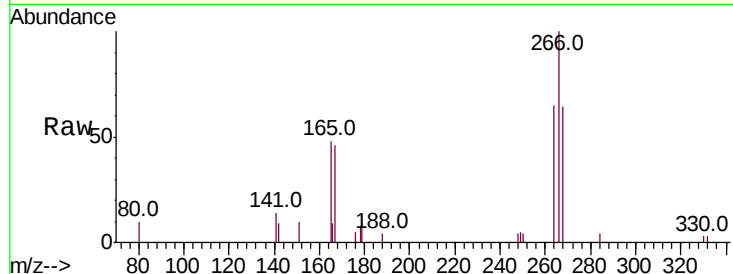




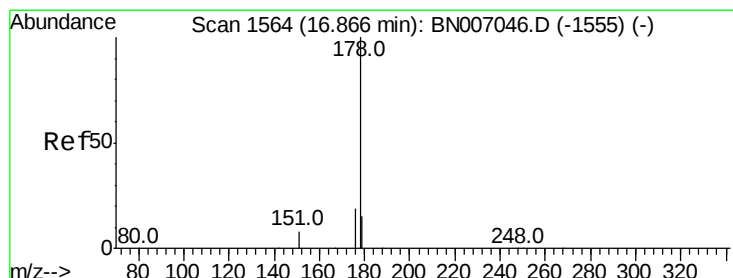
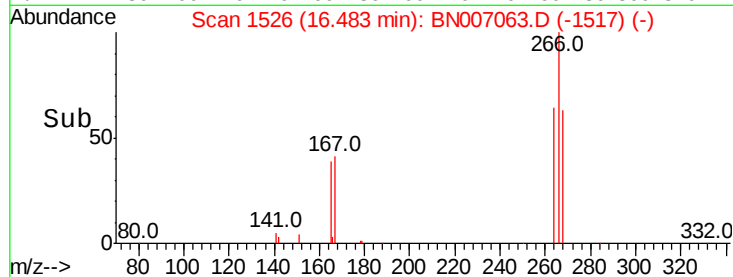
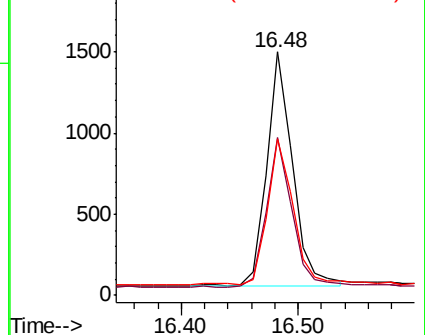
#21
 Pentachlorophenol
 Concen: 0.232 ng
 RT: 16.48 min Scan# 1526
 Delta R.T. -0.00 min
 Lab File: BN007063.D
 Acq: 11 Aug 2019 00:10

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:266 Resp: 2205
 Ion Ratio Lower Upper
 266 100
 264 64.6 52.3 78.5
 268 64.5 51.5 77.3

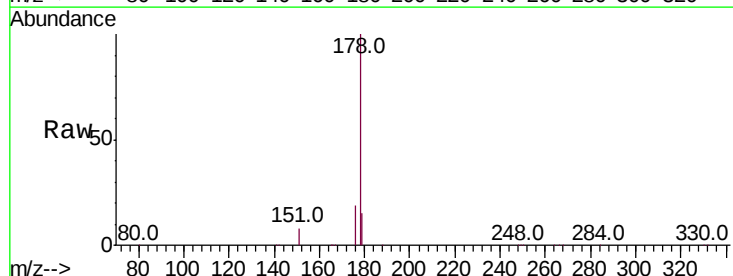


Abundance Ion 266.00 (265.70 to 266.70): E
 2000 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

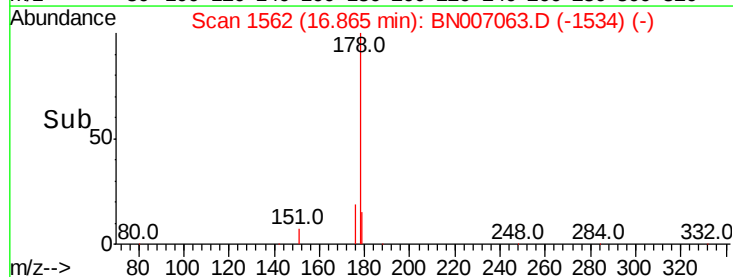
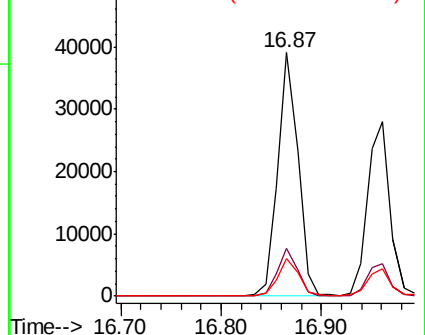


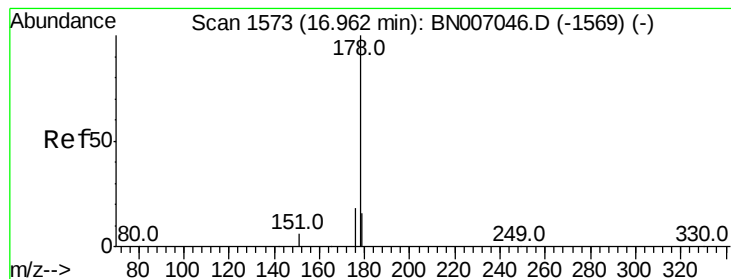
#22
 Phenanthrene
 Concen: 0.423 ng
 RT: 16.87 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BN007063.D
 Acq: 11 Aug 2019 00:10

Tgt Ion:178 Resp: 54191
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.2 22.8
 179 15.4 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E
 50000 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.368 ng

RT: 16.96 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

Instrument :

BNA_N

ClientSampleId :

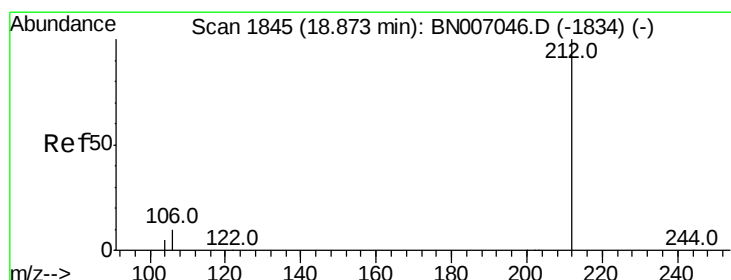
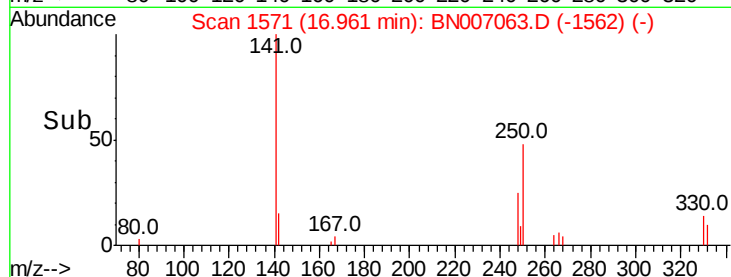
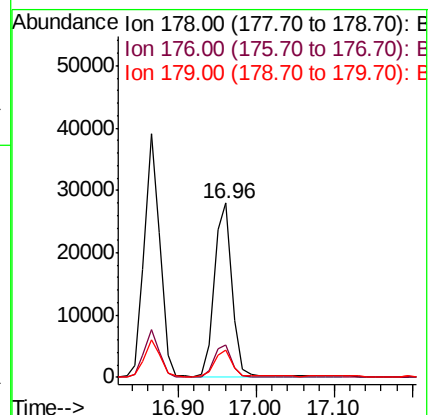
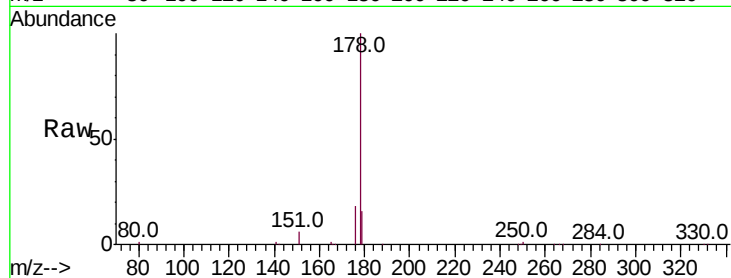
Tot Ion:178 Resp: 43090

Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

179 15.3 12.5 18.7



#24

Fluoranthene-d10

Concen: 0.278 ng

RT: 18.87 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

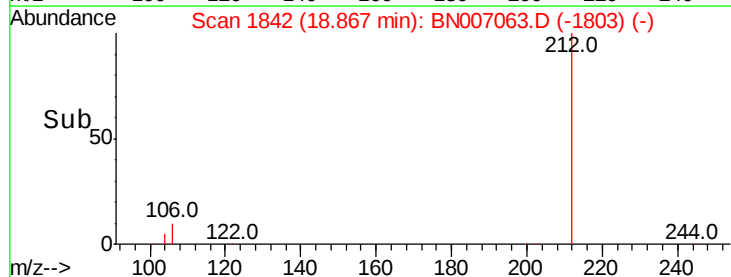
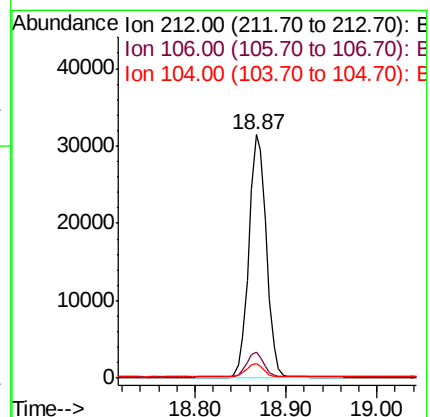
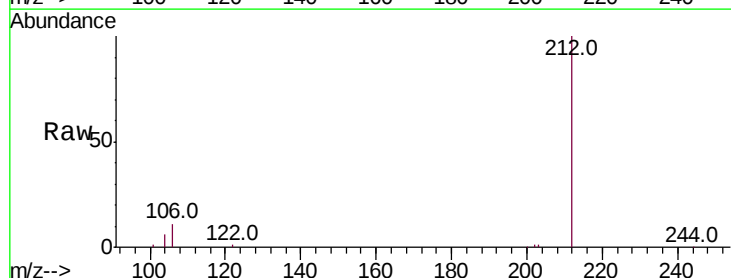
Tgt Ion:212 Resp: 42222

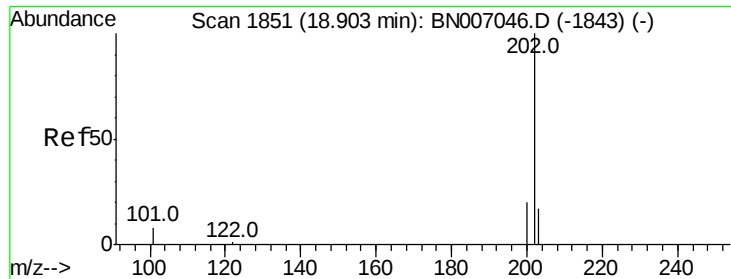
Ion Ratio Lower Upper

212 100

106 10.1 8.2 12.2

104 5.6 4.5 6.7





#25

Fluoranthene

Concen: 0.409 ng

RT: 18.90 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

Instrument :

BNA_N

ClientSampleId :

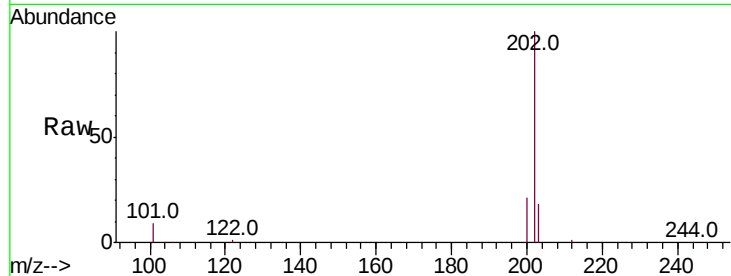
Tot Ion:202 Resp: 67106

Ion Ratio Lower Upper

202 100

101 8.6 7.0 10.4

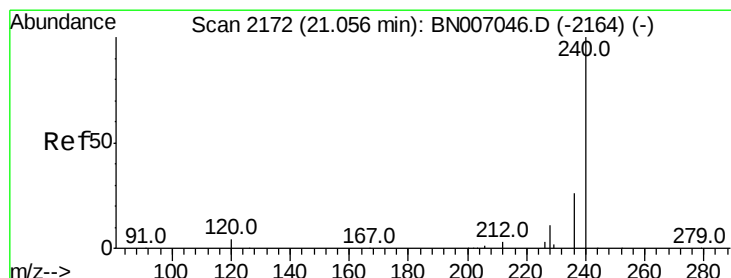
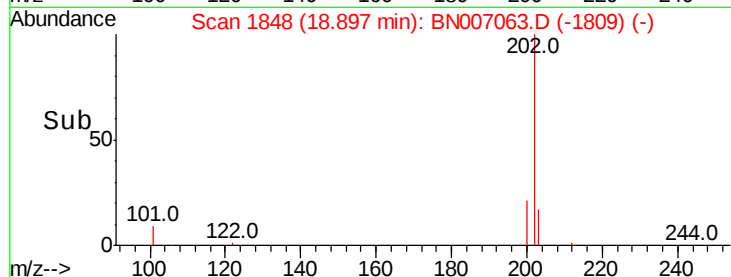
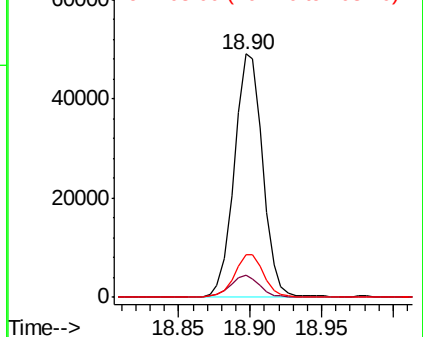
203 17.3 13.8 20.8



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



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.04 min Scan# 2169

Delta R.T. -0.02 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

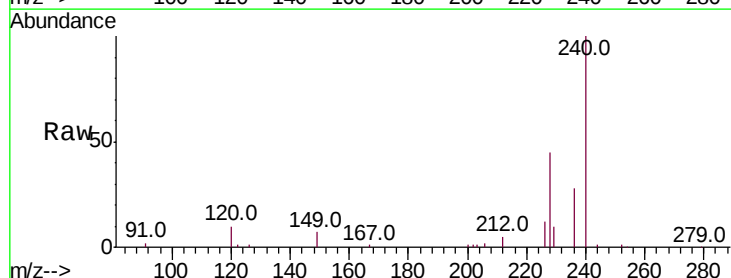
Tgt Ion:240 Resp: 45349

Ion Ratio Lower Upper

240 100

120 9.5 4.0 6.0#

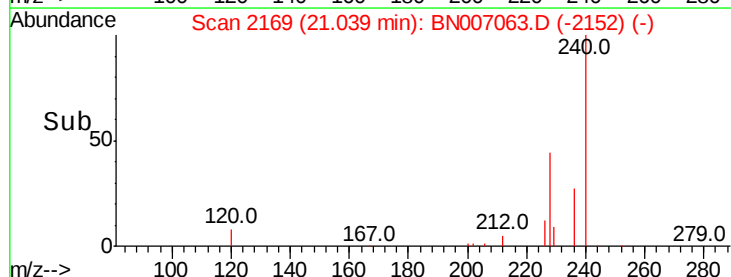
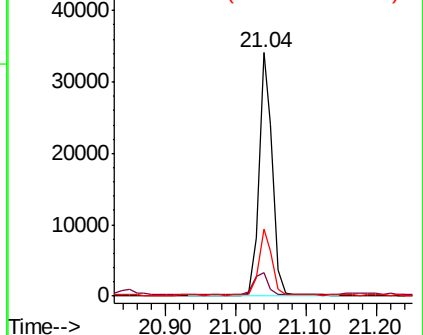
236 27.7 21.3 31.9

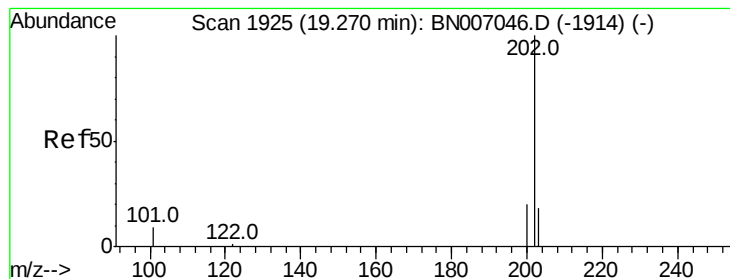


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Pvrene

Concen: 0.459 ng

RT: 19.26 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

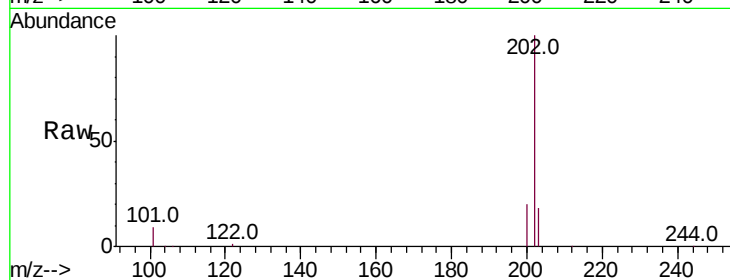
Instrument :

BNA_N

ClientSampleId :

Tot Ion:202 Resp: 72936

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	18.4	14.0	21.0

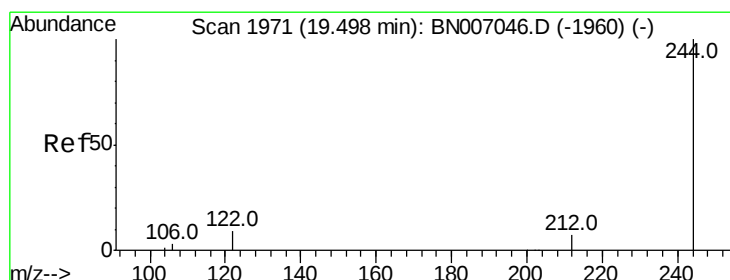
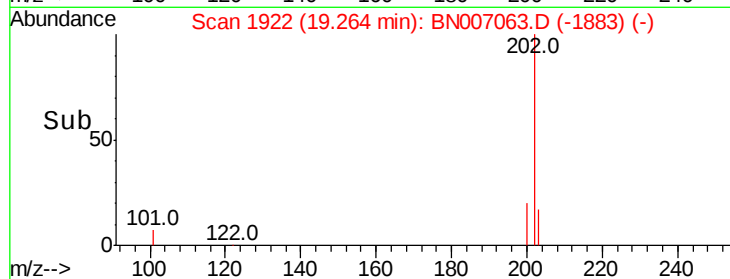
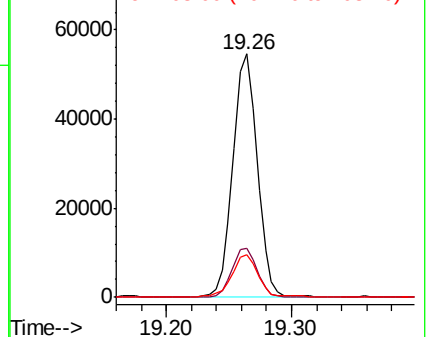


Abundance

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



#28

Terphenyl-d14

Concen: 0.268 ng

RT: 19.49 min Scan# 1967

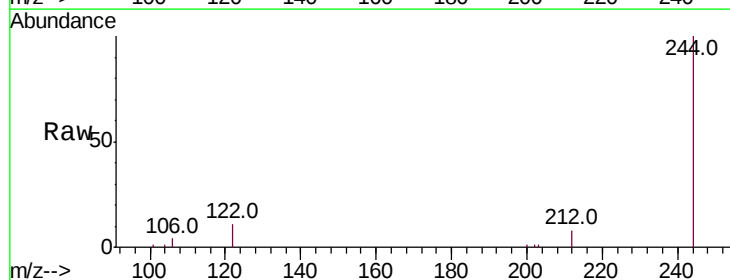
Delta R.T. -0.01 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

Tgt Ion:244 Resp: 33162

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	10.7	7.4	11.2

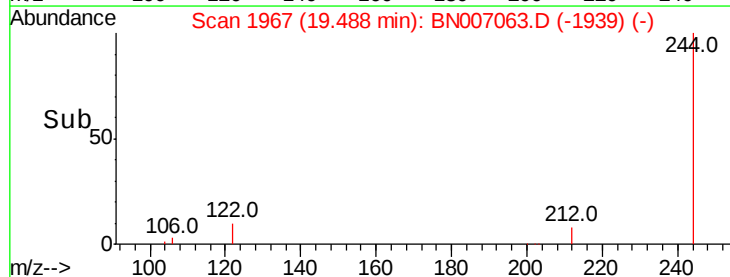
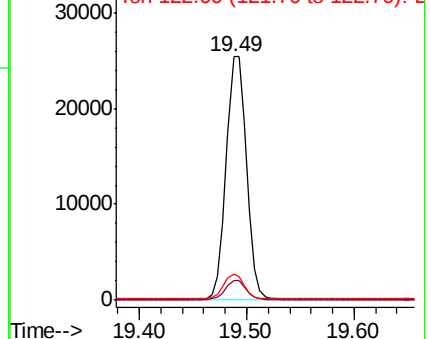


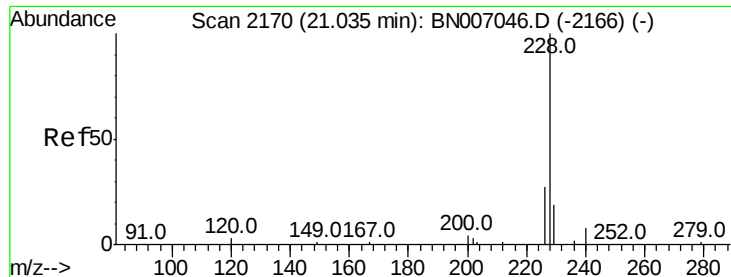
Abundance

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





#29

Benzo(a)anthracene

Concen: 0.389 ng

RT: 21.03 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

Instrument :

BNA_N

ClientSampleId :

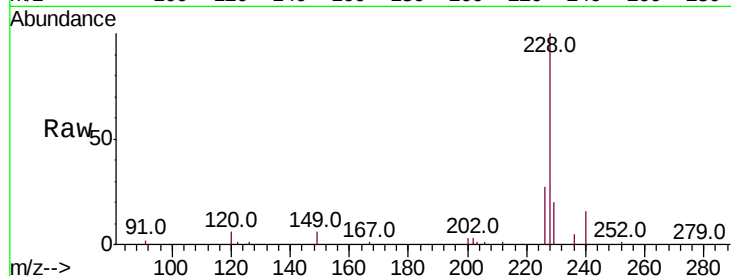
Tot Ion:228 Resp: 64438

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.6

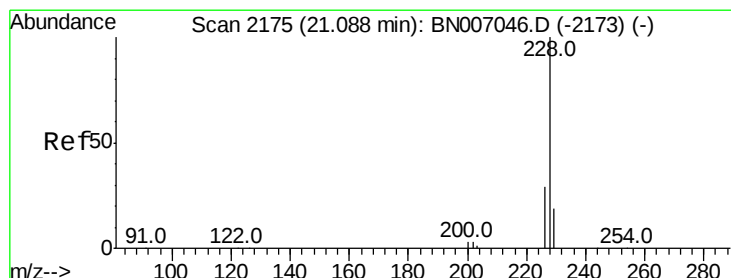
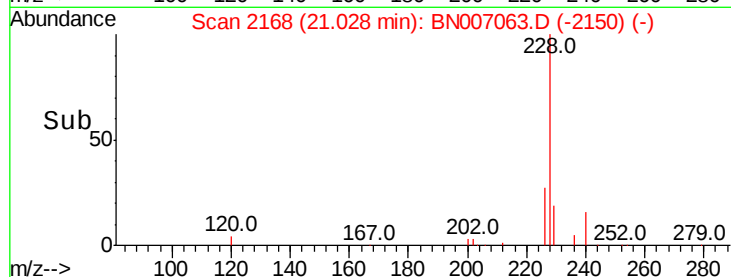
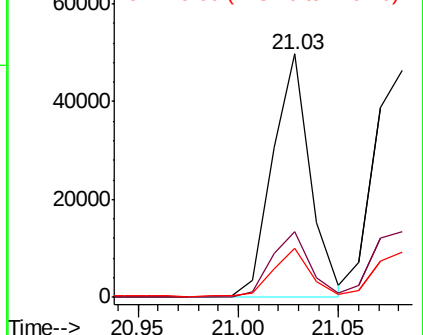
229 19.9 15.6 23.4



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



#30

Chrysene

Concen: 0.411 ng

RT: 21.08 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

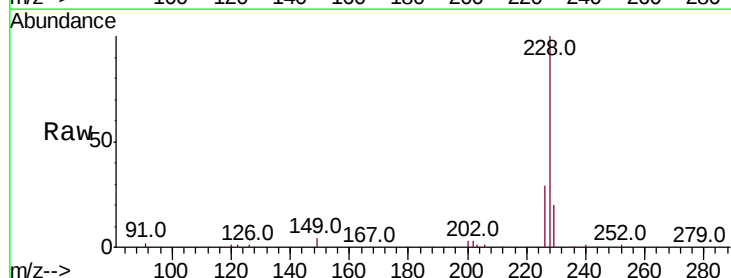
Tgt Ion:228 Resp: 66154

Ion Ratio Lower Upper

228 100

226 29.0 23.8 35.6

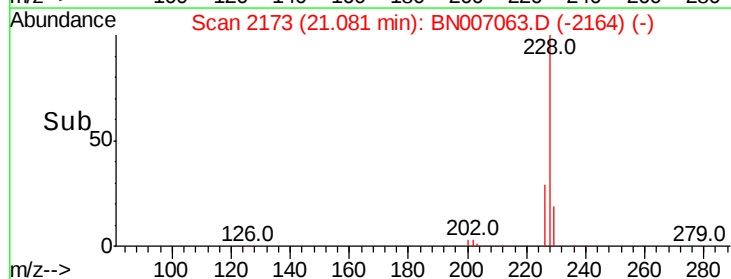
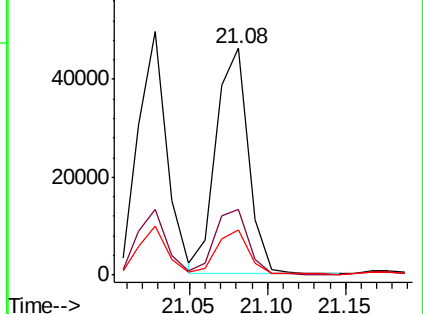
229 20.0 15.7 23.5

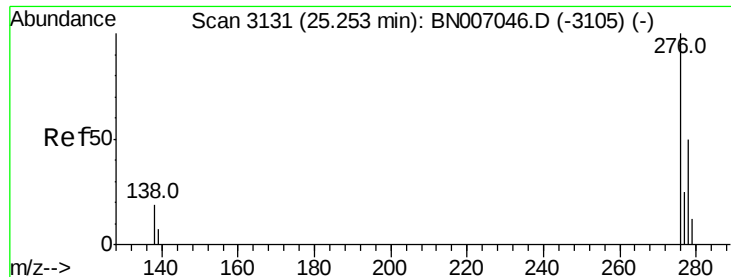


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

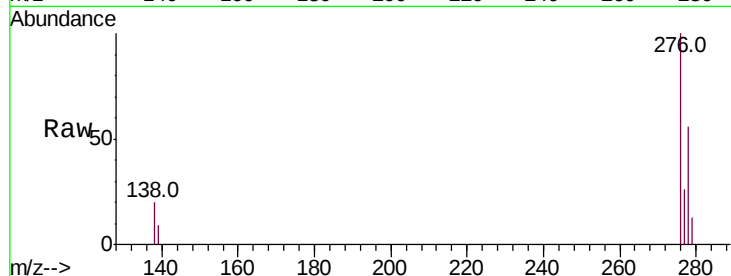




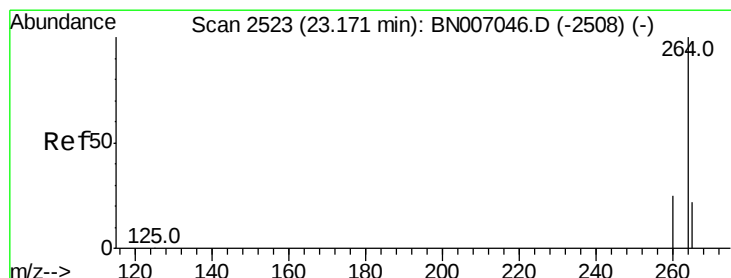
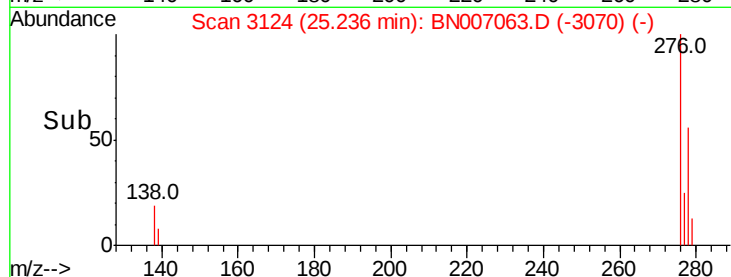
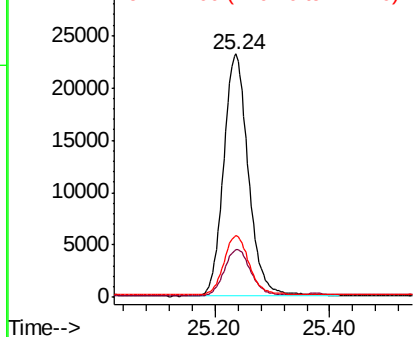
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.391 ng
 RT: 25.24 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BN007063.D
 Acq: 11 Aug 2019 00:10

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 69514
 Ion Ratio Lower Upper
 276 100
 138 20.5 16.0 24.0
 277 24.6 19.9 29.9

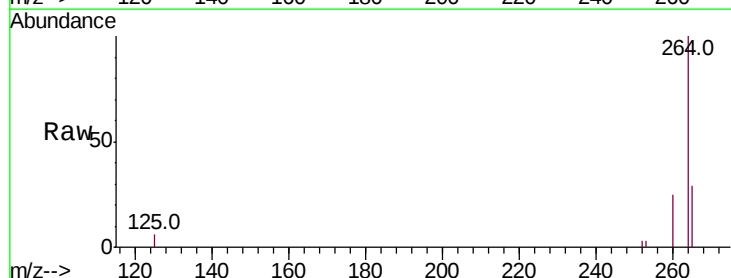


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

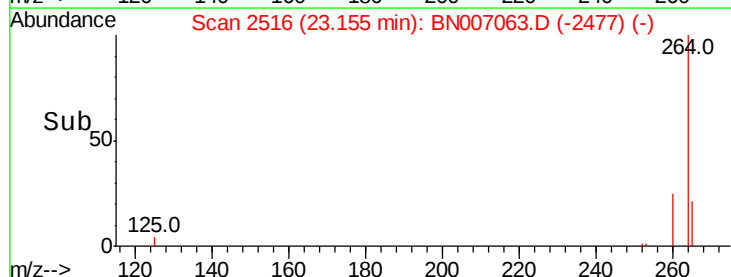
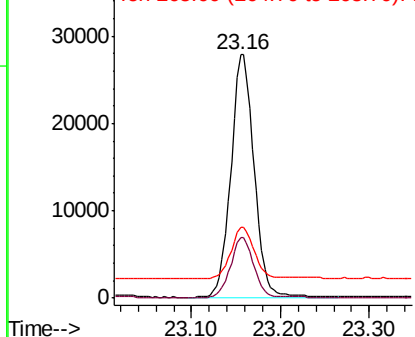


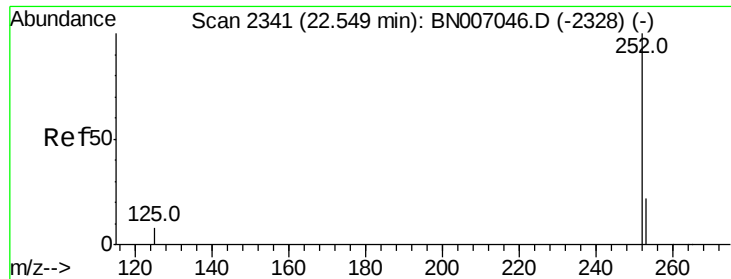
#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2516
 Delta R.T. -0.02 min
 Lab File: BN007063.D
 Acq: 11 Aug 2019 00:10

Tgt Ion:264 Resp: 50287
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.8 29.8
 265 29.2 26.2 39.4



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





#33

Benzo(b)fluoranthene

Concen: 0.377 ng

RT: 22.54 min Scan# 2335

Delta R.T. -0.01 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

Instrument :

BNA_N

ClientSampleId :

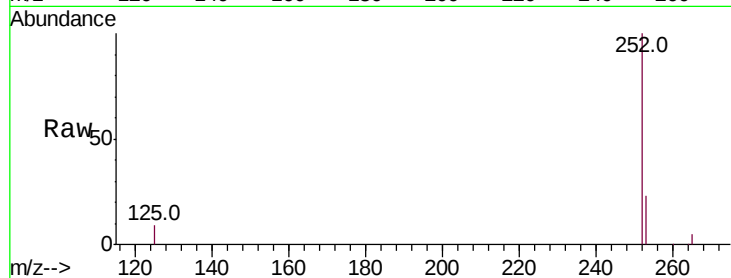
Tot Ion:252 Resp: 65089

Ion Ratio Lower Upper

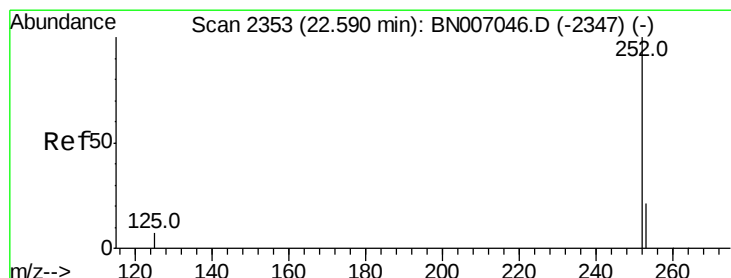
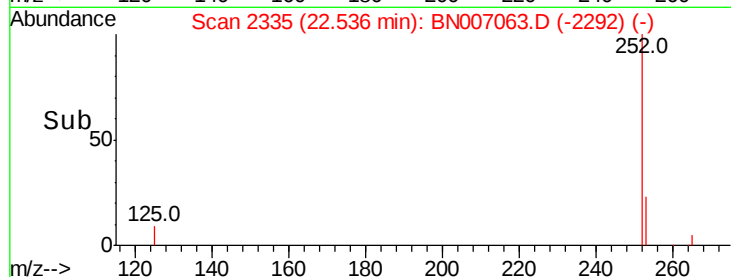
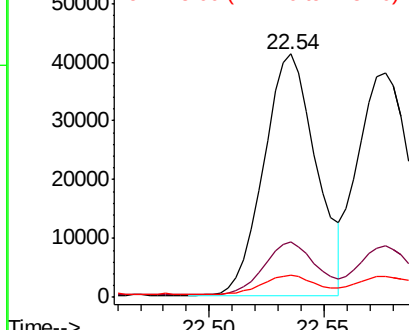
252 100

253 22.9 18.2 27.2

125 9.0 7.4 11.0



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



#34

Benzo(k)fluoranthene

Concen: 0.362 ng

RT: 22.58 min Scan# 2347

Delta R.T. -0.01 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

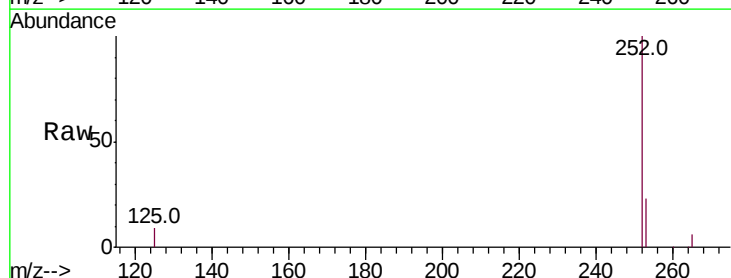
Tgt Ion:252 Resp: 61714

Ion Ratio Lower Upper

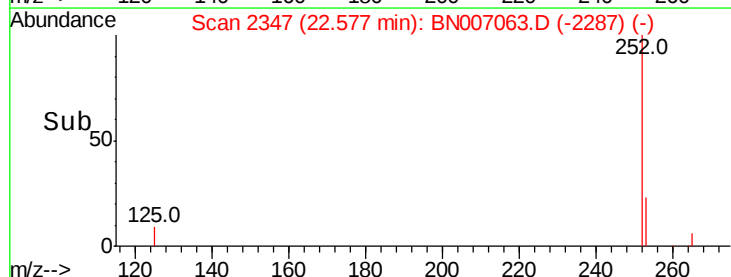
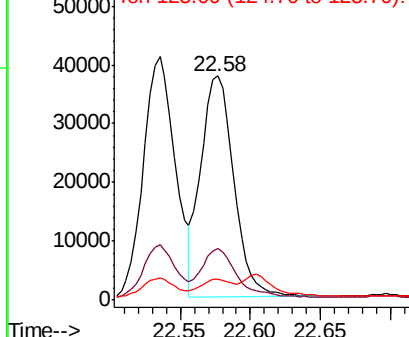
252 100

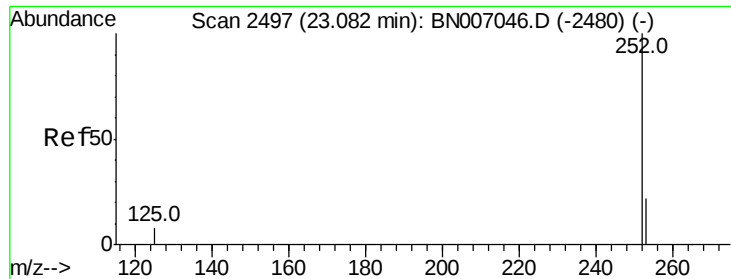
253 22.9 18.1 27.1

125 9.3 7.4 11.0



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





#35

Benzo(a)pyrene

Concen: 0.379 ng

RT: 23.06 min Scan# 2489

Delta R.T. -0.02 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

Instrument :

BNA_N

ClientSampleId :

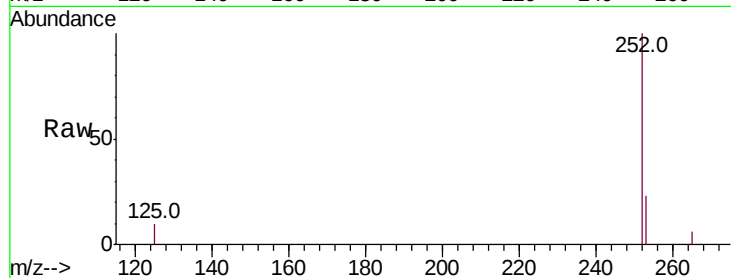
Tot Ion:252 Resp: 59281

Ion Ratio Lower Upper

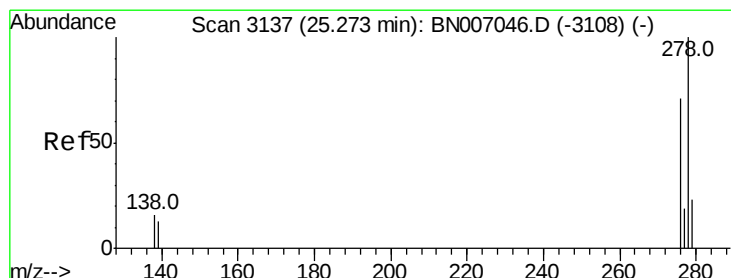
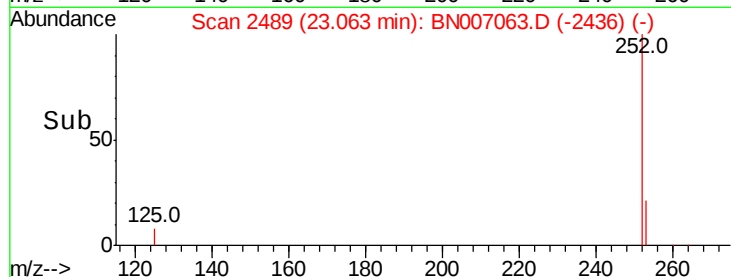
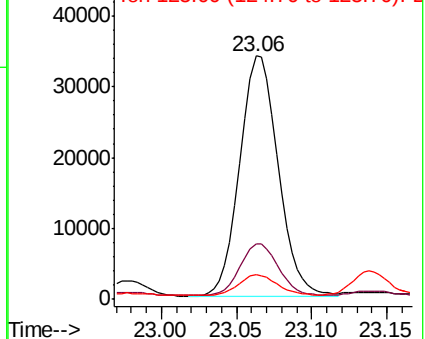
252 100

253 22.7 18.5 27.7

125 10.0 8.2 12.4



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



#36

Dibenzo(a,h)anthracene

Concen: 0.361 ng

RT: 25.25 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

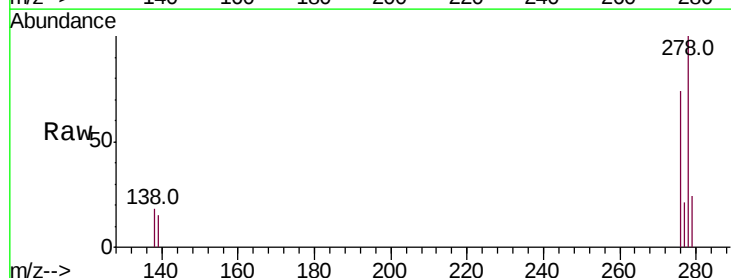
Tgt Ion:278 Resp: 56266

Ion Ratio Lower Upper

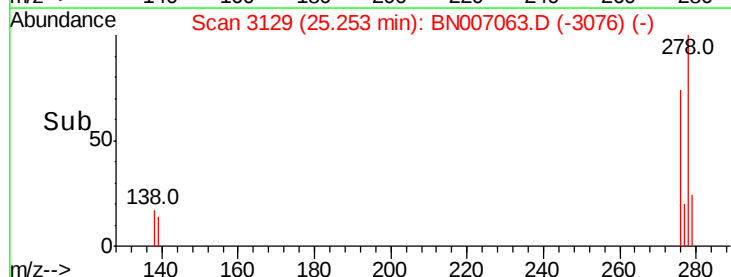
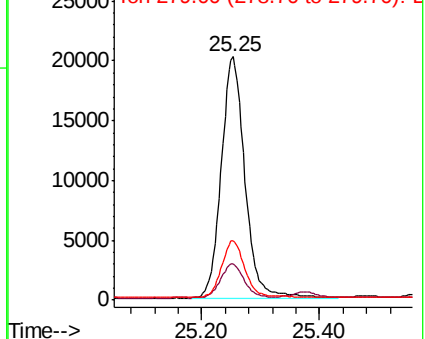
278 100

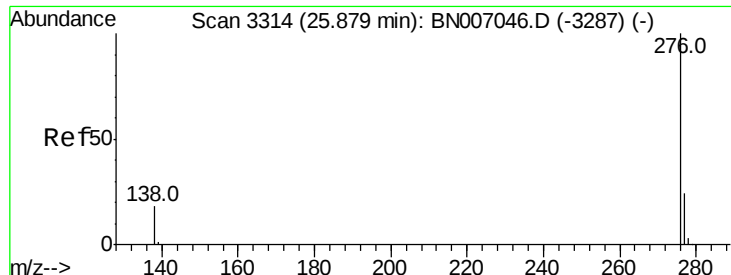
139 14.7 11.3 16.9

279 24.4 19.3 28.9



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





#37

Benzo(a,h,i)perylene

Concen: 0.374 ng

RT: 25.86 min Scan# 3306

Delta R.T. -0.02 min

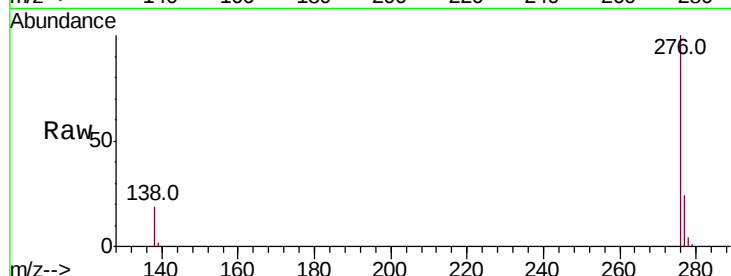
Lab File: BN007063.D

Acq: 11 Aug 2019 00:10

Instrument :

BNA_N

ClientSampleId :



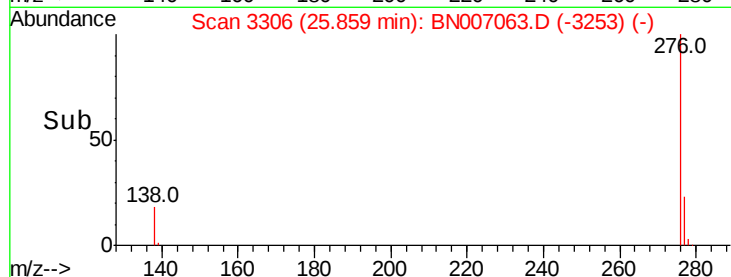
Tot Ion:276 Resp: 60069

Ion Ratio Lower Upper

276 100

277 24.4 19.8 29.8

138 18.7 14.6 22.0



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

