

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091019\
 Data File : BN007583.D
 Acq On : 10 Sep 2019 19:42
 Operator : HP/JU
 Sample : K4781-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GW800-8.0-13.0-090719

Quant Time: Sep 10 20:15:07 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 16:53:18 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	5970	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	25192	0.40	ng	0.00
13) Acenaphthene-d10	14.35	164	14848	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	36106	0.40	ng	0.00
27) Chrysene-d12	21.28	240	37357	0.40	ng	-0.01
34) Perylene-d12	23.51	264	40305	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.34	112	3412	0.19	ng	0.00
5) Phenol-d6	6.90	99	3075	0.12	ng	0.00
8) Nitrobenzene-d5	8.86	82	6739	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	15876	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.83	330	2373	0.42	ng	-0.01
15) 2-Fluorobiphenyl	12.98	172	25413	0.41	ng	0.00
25) Fluoranthene-d10	19.12	212	43797	0.37	ng	0.00
29) Terphenyl-d14	19.73	244	39309	0.40	ng	0.00

Target Compounds

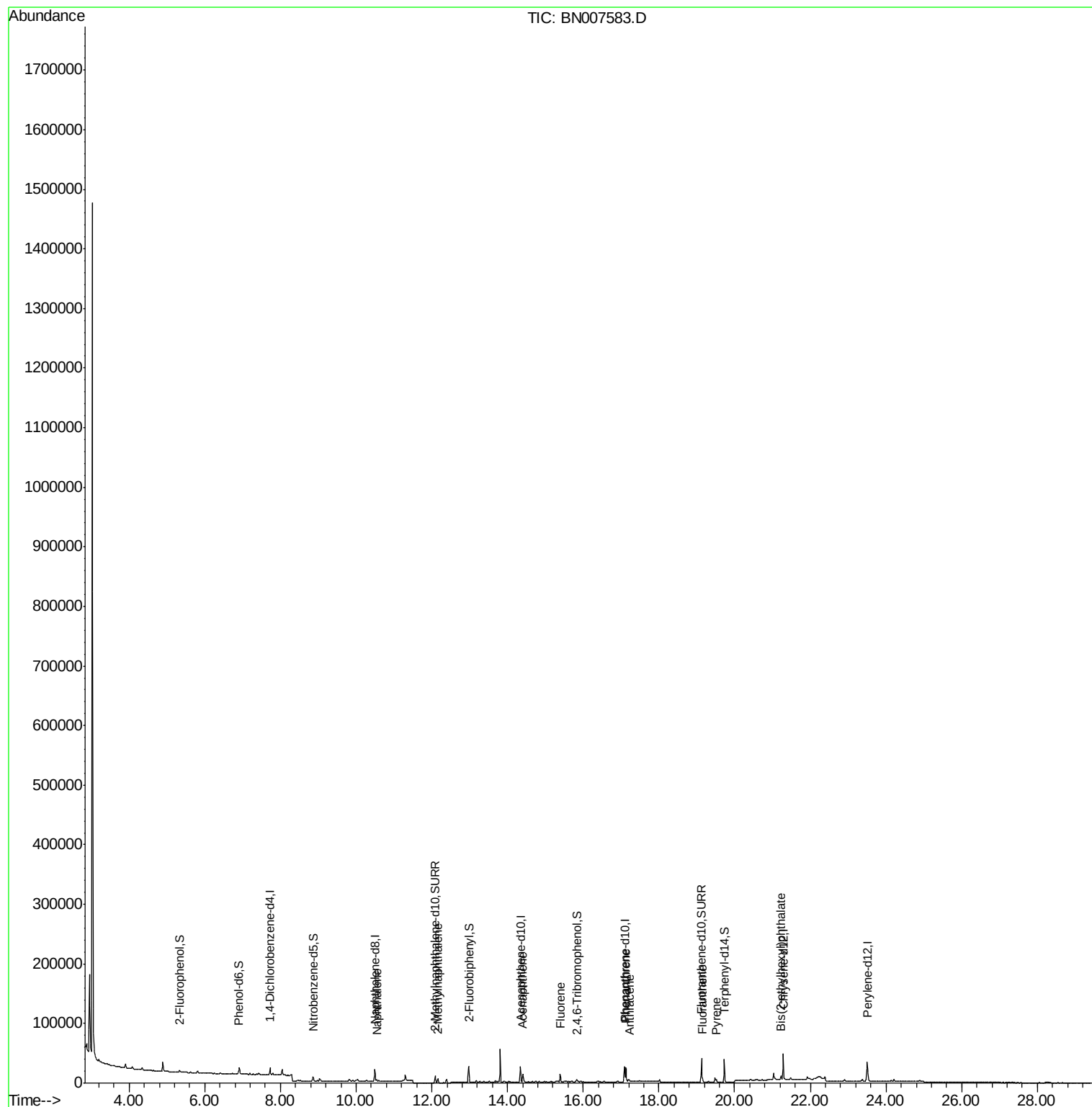
						Qvalue
9) Naphthalene	10.54	128	2564	0.036	ng	# 88
12) 2-Methylnaphthalene	12.16	142	5062	0.102	ng	96
17) Acenaphthene	14.40	154	7198	0.143	ng	98
18) Fluorene	15.39	166	8130	0.123	ng	99
23) Phenanthrene	17.12	178	26605	0.239	ng	100
24) Anthracene	17.22	178	3082	0.030	ng	# 92
26) Fluoranthene	19.15	202	5025	0.037	ng	# 93
28) Pyrene	19.51	202	4106	0.031	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.23	149	5047	0.110	ng	99

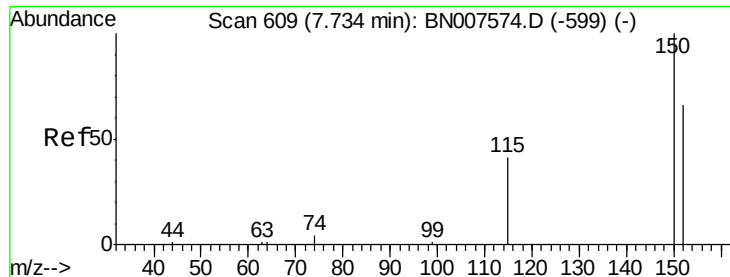
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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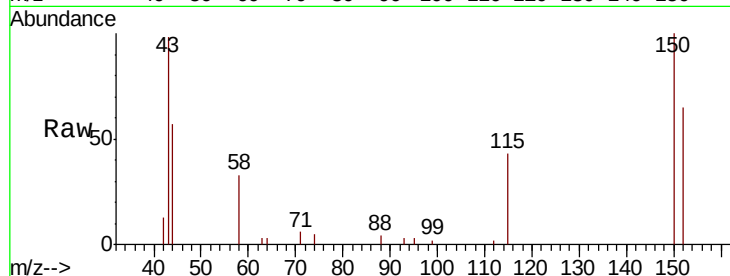




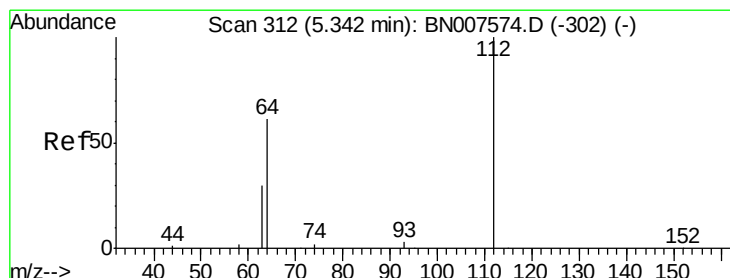
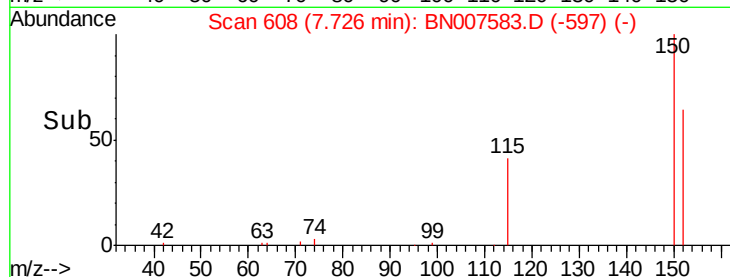
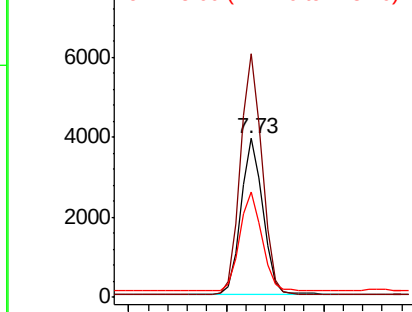
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.73 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: BN007583.D
 Acq: 10 Sep 2019 19:42

Instrument :
 BNA_N
 ClientSampleId :
 GW800-8.0-13.0-090719

Tot Ion:152 Resp: 5970
 Ion Ratio Lower Upper
 152 100
 150 153.6 119.5 179.3
 115 66.1 53.0 79.6

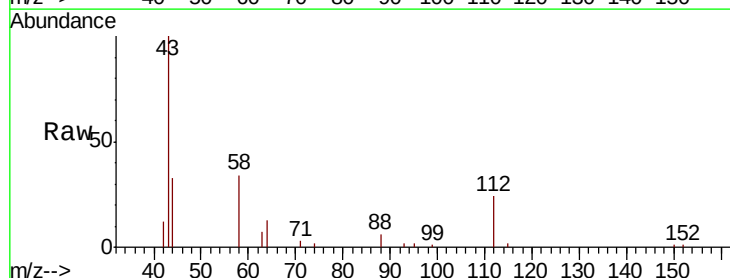


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

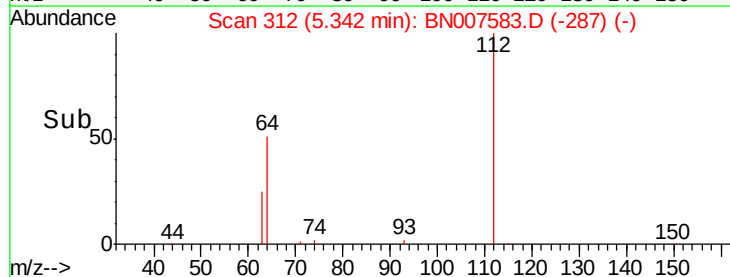
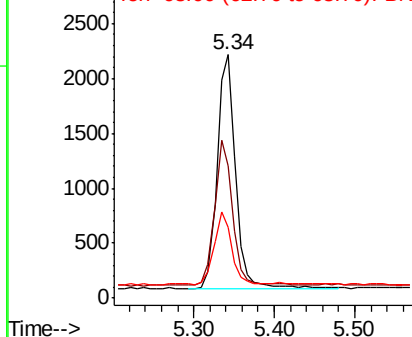


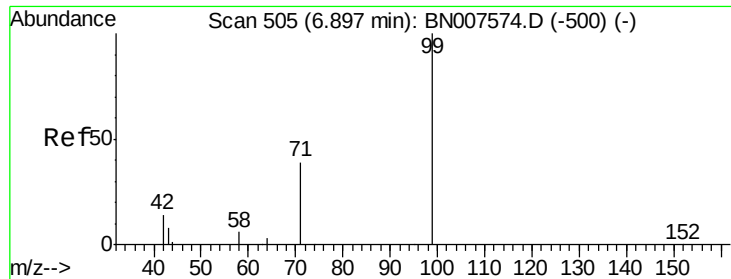
#4
 2-Fluorophenol
 Concen: 0.188 ng
 RT: 5.34 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: BN007583.D
 Acq: 10 Sep 2019 19:42

Tgt Ion:112 Resp: 3412
 Ion Ratio Lower Upper
 112 100
 64 58.2 49.2 73.8
 63 29.2 26.0 39.0



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





#5

Phenol-d6

Concen: 0.124 ng

RT: 6.90 min Scan# 505

Delta R.T. 0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Instrument :

BNA_N

ClientSampleId :

GW800-8.0-13.0-090719

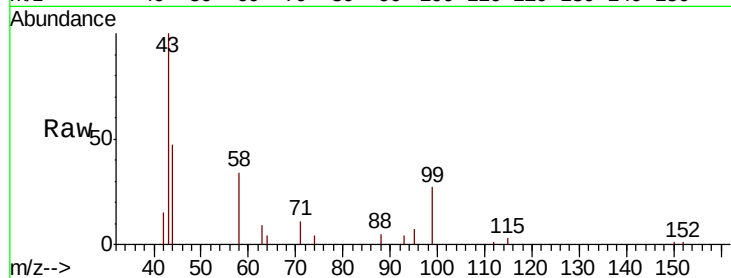
Tot Ion: 99 Resp: 3075

Ion Ratio Lower Upper

99 100

42 0.0 11.8 17.8#

71 46.4 28.8 43.2#

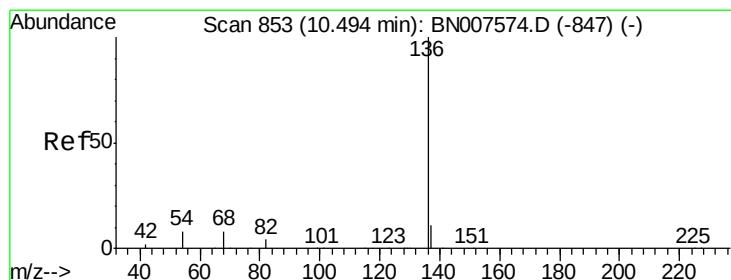
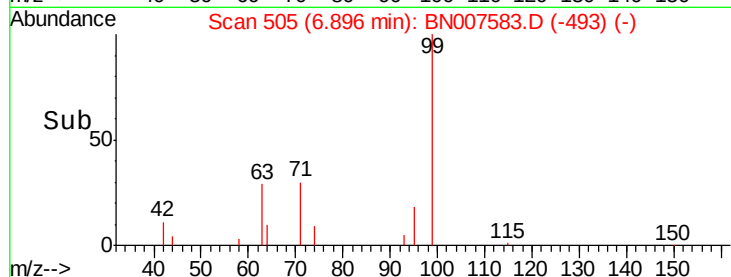
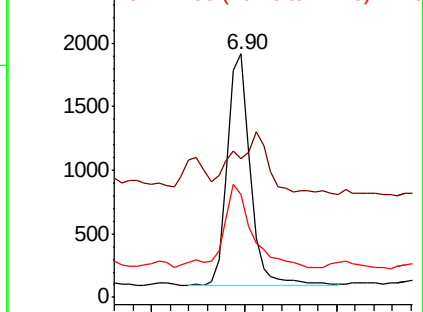


Abundance

Ion 99.00 (98.70 to 99.70): BN007574.D (-500) (-)

Ion 42.00 (41.70 to 42.70): BN007574.D (-500) (-)

Ion 71.00 (70.70 to 71.70): BN007574.D (-500) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Tgt Ion: 136 Resp: 25192

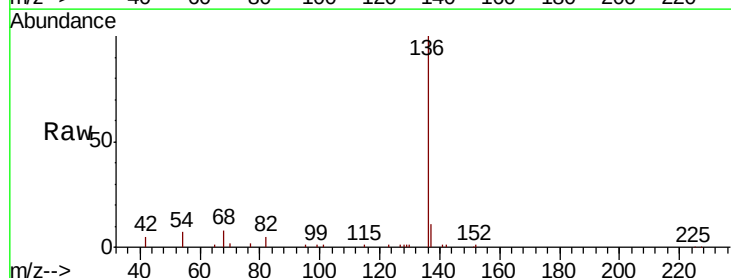
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 7.1 7.5 11.3#

68 8.0 7.9 11.9



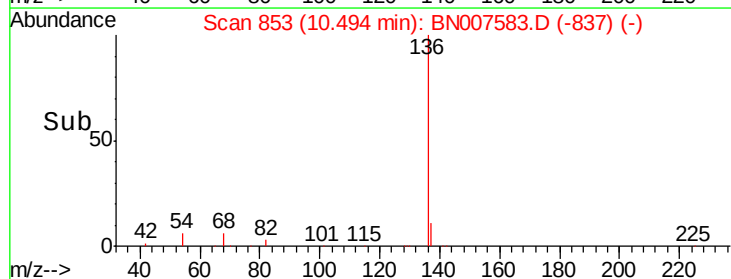
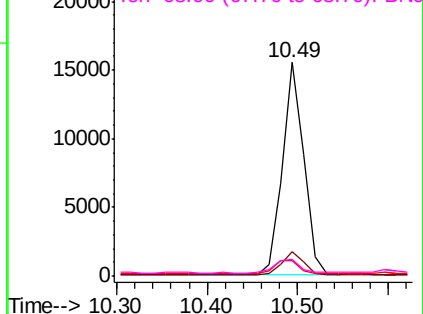
Abundance

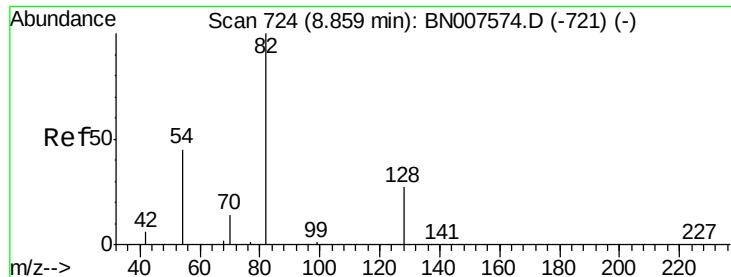
Ion 136.00 (135.70 to 136.70): BN007574.D (-847) (-)

Ion 137.00 (136.70 to 137.70): BN007574.D (-847) (-)

Ion 54.00 (53.70 to 54.70): BN007574.D (-847) (-)

Ion 68.00 (67.70 to 68.70): BN007574.D (-847) (-)





#8

Nitrobenzene-d5

Concen: 0.439 ng

RT: 8.86 min Scan# 724

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Instrument :

BNA_N

ClientSampleId :

GW800-8.0-13.0-090719

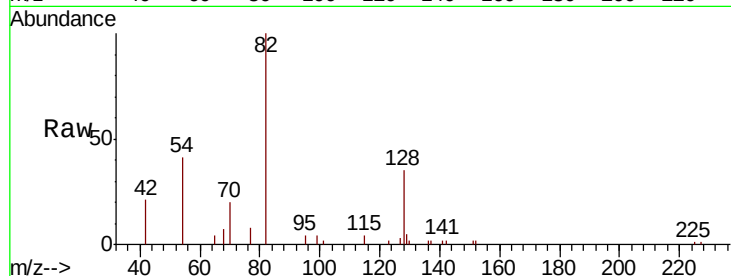
Tot Ion: 82 Resp: 6739

Ion Ratio Lower Upper

82 100

128 34.9 23.4 35.2

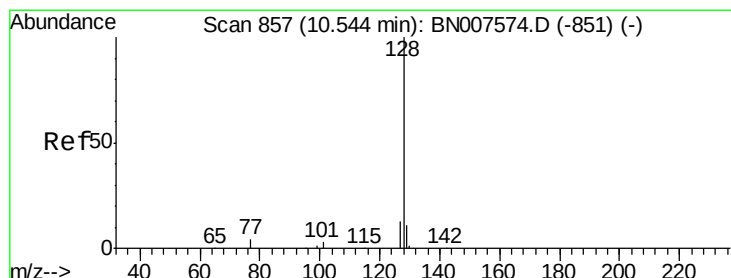
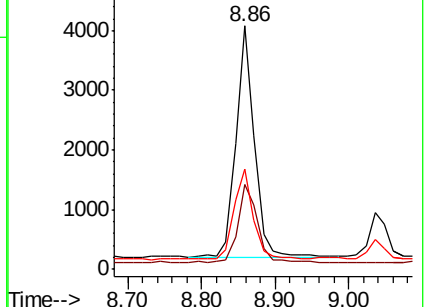
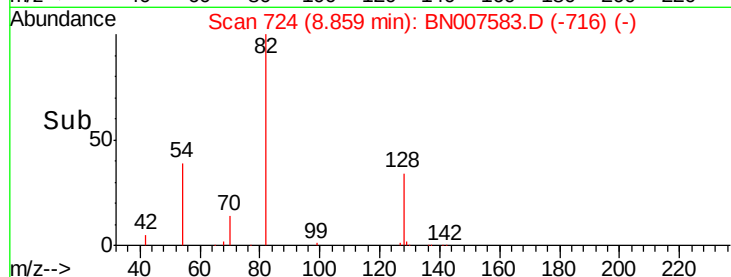
54 41.2 38.2 57.2



Abundance Ion 82.00 (81.70 to 82.70): BN007574.D (-721) (-)

Ion 128.00 (127.70 to 128.70): BN007574.D (-721) (-)

Ion 54.00 (53.70 to 54.70): BN007574.D (-721) (-)



#9

Naphthalene

Concen: 0.036 ng

RT: 10.54 min Scan# 857

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

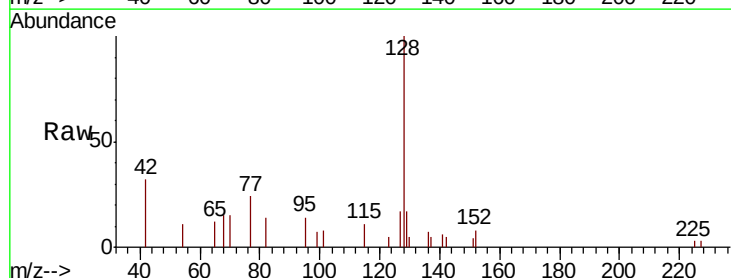
Tgt Ion: 128 Resp: 2564

Ion Ratio Lower Upper

128 100

129 17.4 9.3 13.9#

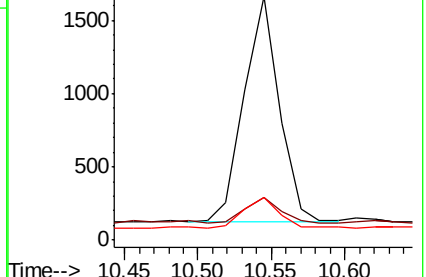
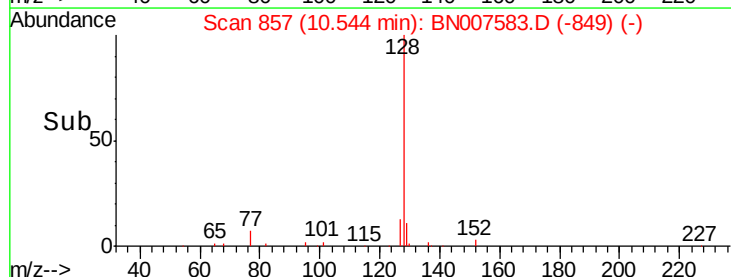
127 17.3 11.0 16.4#

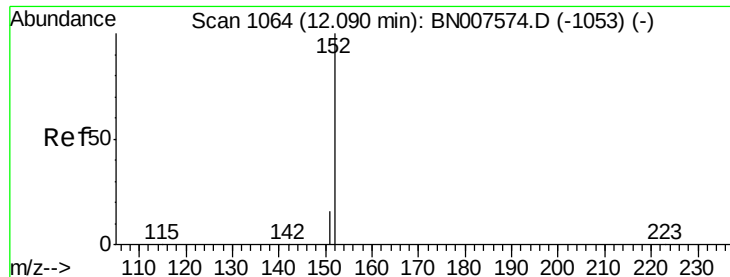


Abundance Ion 128.00 (127.70 to 128.70): BN007574.D (-851) (-)

Ion 129.00 (128.70 to 129.70): BN007574.D (-851) (-)

Ion 127.00 (126.70 to 127.70): BN007574.D (-851) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.365 ng

RT: 12.09 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Instrument :

BNA_N

ClientSampleId :

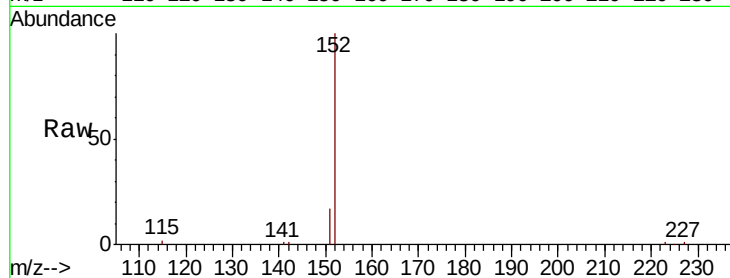
GW800-8.0-13.0-090719

Tot Ion:152 Resp: 15876

Ion Ratio Lower Upper

152 100

151 19.3 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12000

10000

8000

6000

4000

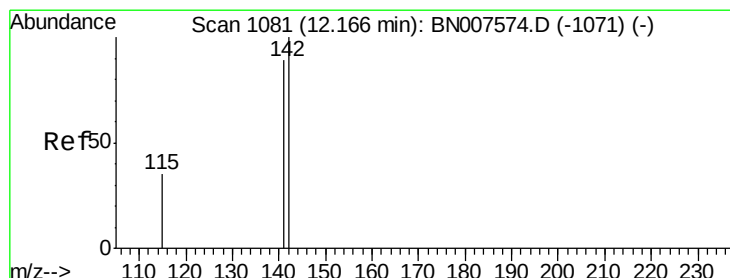
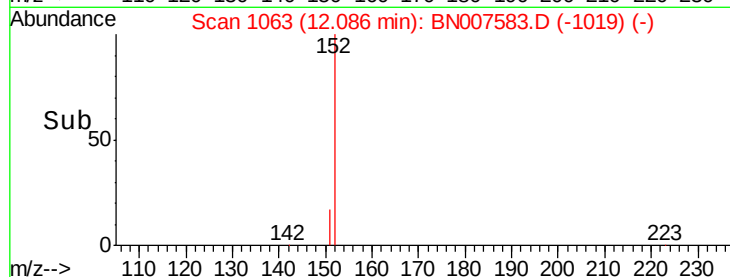
2000

0

12.09

12.00 12.10 12.20

Time-->



#12

2-Methylnaphthalene

Concen: 0.102 ng

RT: 12.16 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

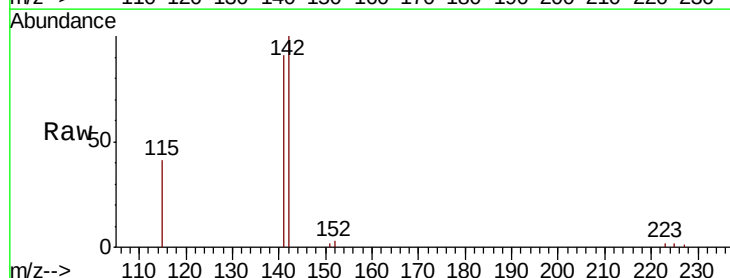
Tgt Ion:142 Resp: 5062

Ion Ratio Lower Upper

142 100

141 90.6 71.0 106.6

115 41.0 29.1 43.7



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

4000

3000

2000

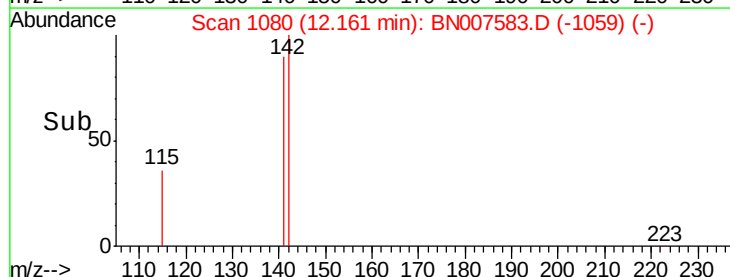
1000

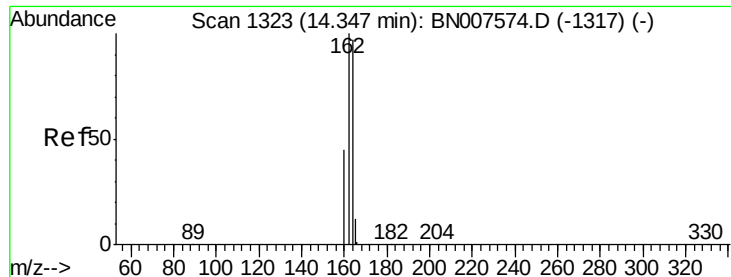
0

12.16

12.10 12.15 12.20

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.35 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Instrument :

BNA_N

ClientSampleId :

GW800-8.0-13.0-090719

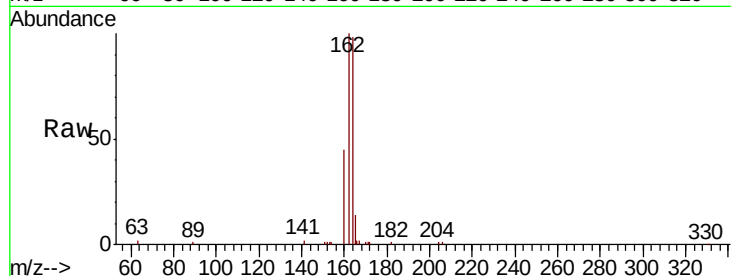
Tot Ion:164 Resp: 14848

Ion Ratio Lower Upper

164 100

162 101.7 82.2 123.2

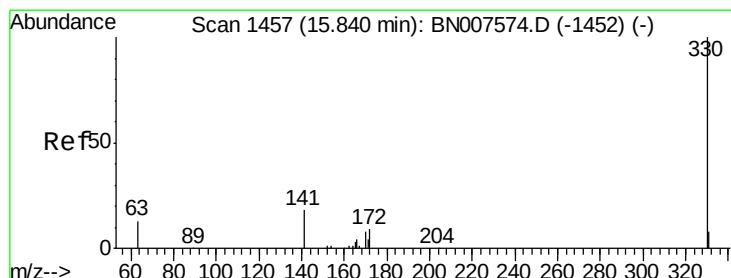
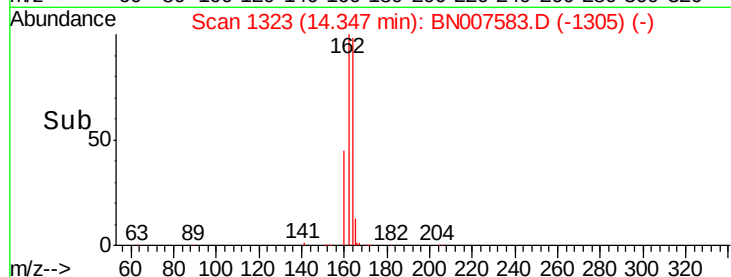
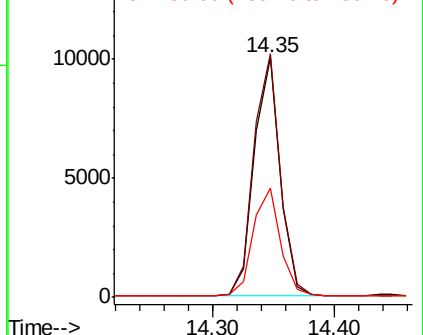
160 45.7 37.4 56.0



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: 0.421 ng

RT: 15.83 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

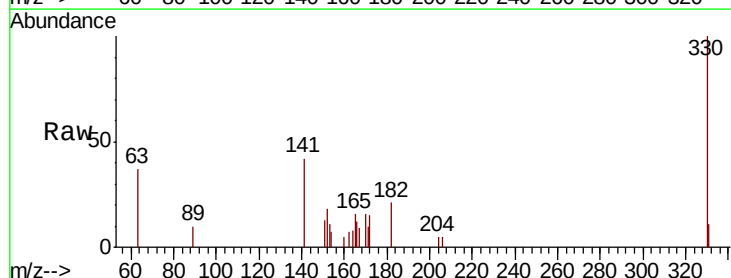
Tgt Ion:330 Resp: 2373

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

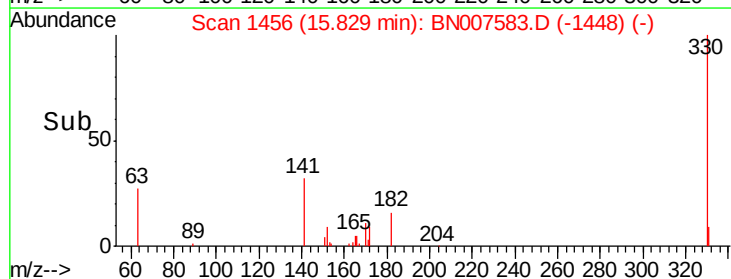
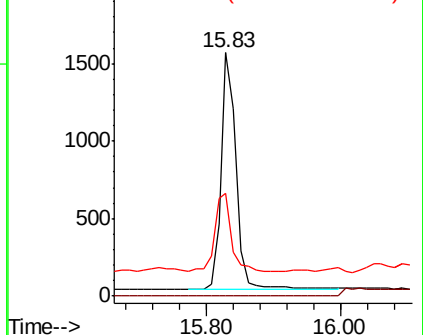
141 37.9 30.6 45.8

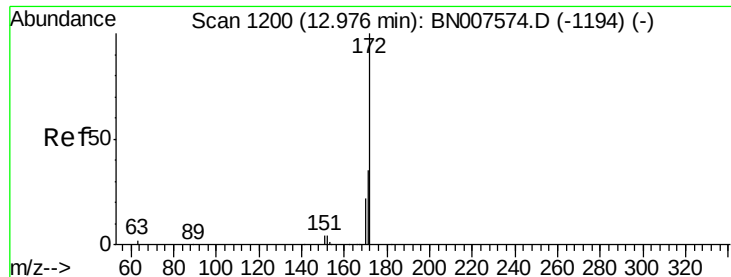


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

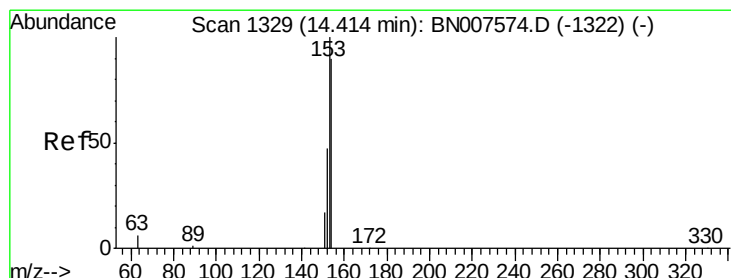
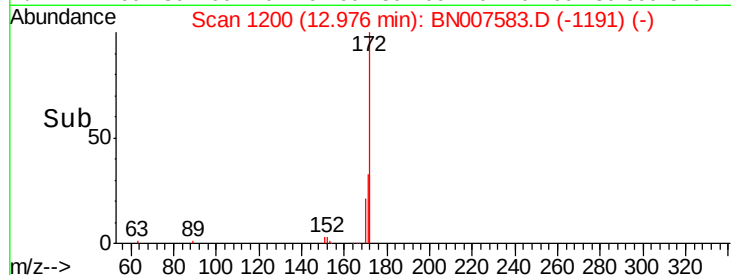
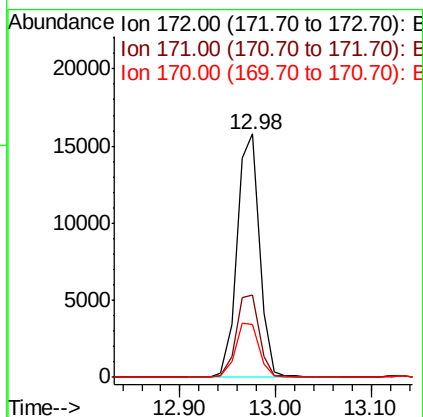
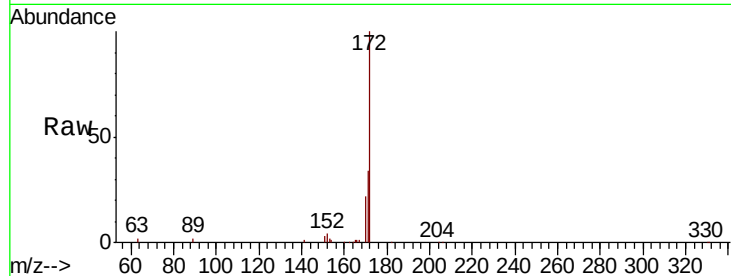




#15
2-Fluorobiphenyl
Concen: 0.414 ng
RT: 12.98 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BN007583.D
Acq: 10 Sep 2019 19:42

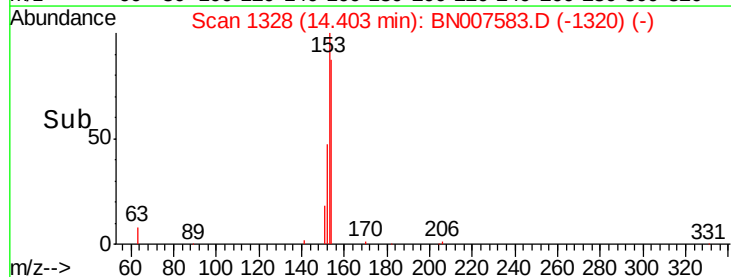
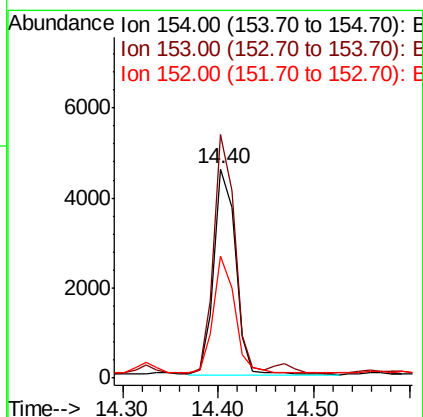
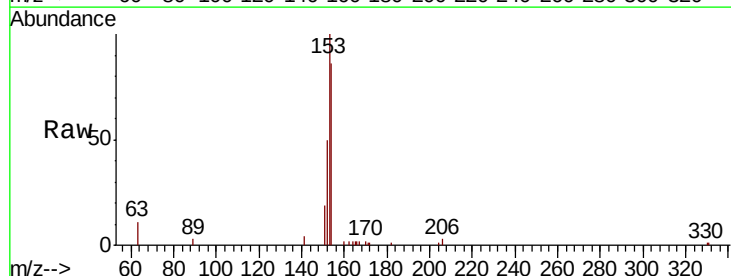
Instrument :
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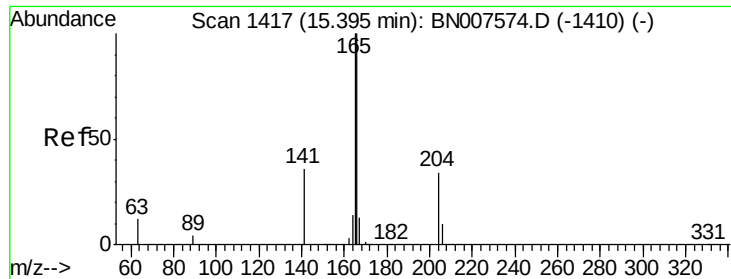
Tot Ion:172 Resp: 25413
Ion Ratio Lower Upper
172 100
171 33.7 28.2 42.2
170 21.6 18.3 27.5



#17
Acenaphthene
Concen: 0.143 ng
RT: 14.40 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BN007583.D
Acq: 10 Sep 2019 19:42

Tgt Ion:154 Resp: 7198
Ion Ratio Lower Upper
154 100
153 112.9 89.4 134.2
152 56.9 43.4 65.0





#18

Fluorene

Concen: 0.123 ng

RT: 15.39 min Scan# 1417

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Instrument :

BNA_N

ClientSampleId :

GW800-8.0-13.0-090719

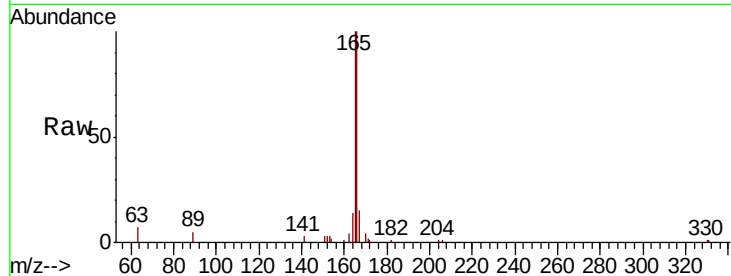
Tot Ion:166 Resp: 8130

Ion Ratio Lower Upper

166 100

165 96.6 77.8 116.6

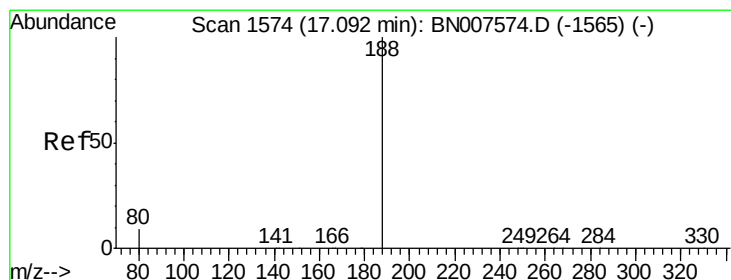
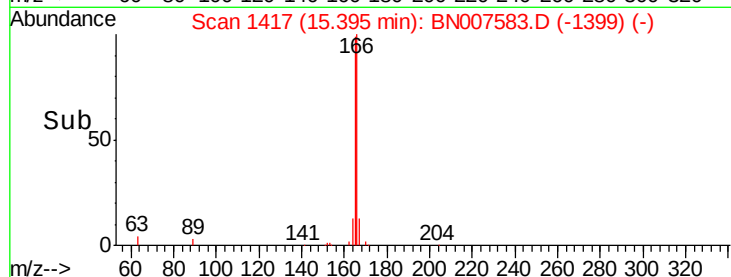
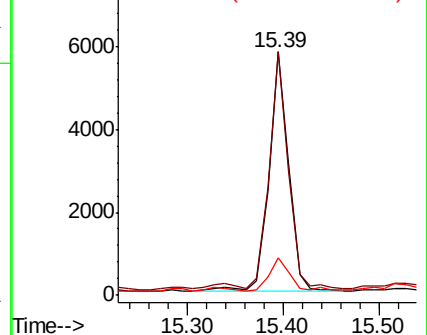
167 14.4 11.0 16.4



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: 17.09 min Scan# 1574

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

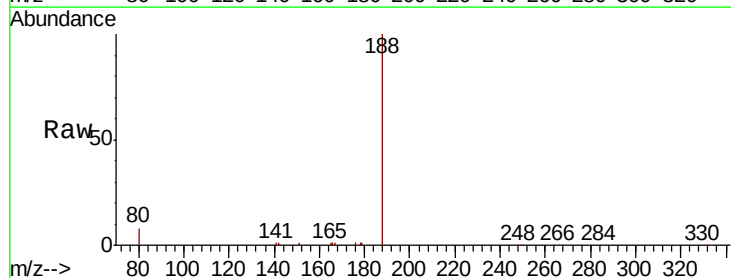
Tgt Ion:188 Resp: 36106

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

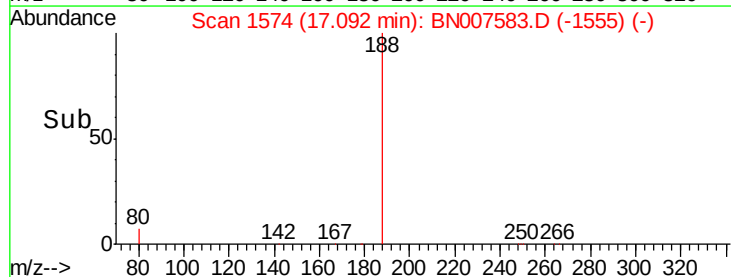
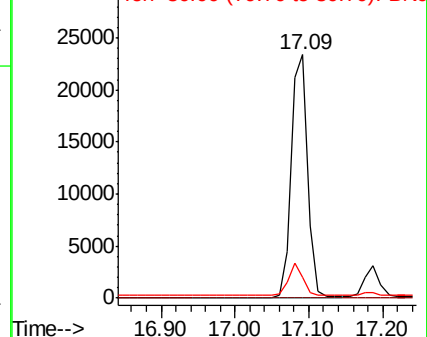
80 8.5 8.1 12.1

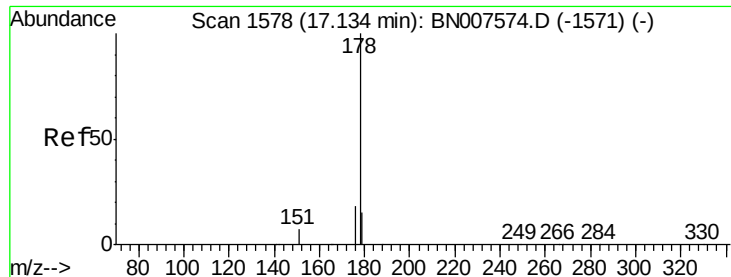


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.239 ng

RT: 17.12 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Instrument :

BNA_N

ClientSampleId :

GW800-8.0-13.0-090719

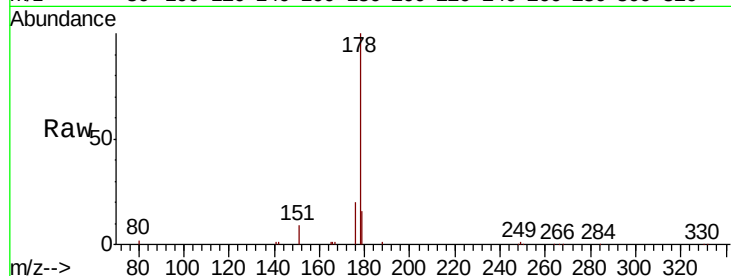
Tot Ion:178 Resp: 26605

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

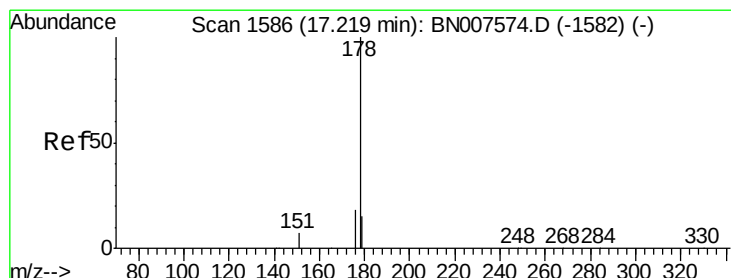
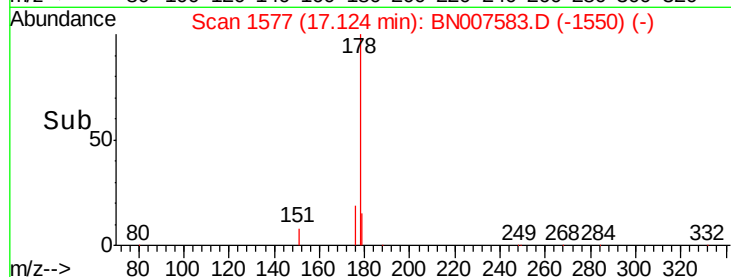
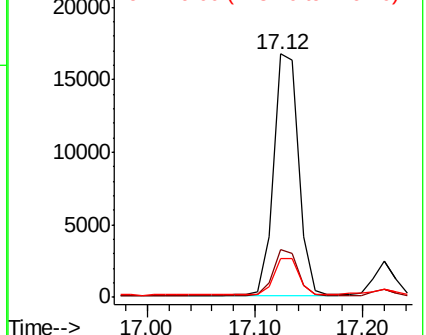
179 15.6 12.2 18.2



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: 0.030 ng

RT: 17.22 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

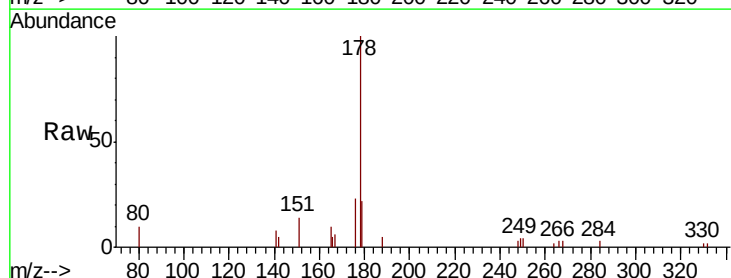
Tgt Ion:178 Resp: 3082

Ion Ratio Lower Upper

178 100

176 18.8 14.4 21.6

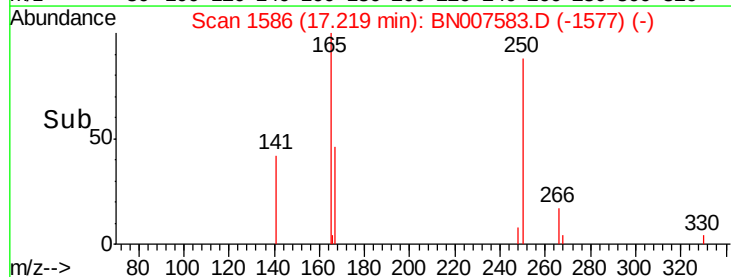
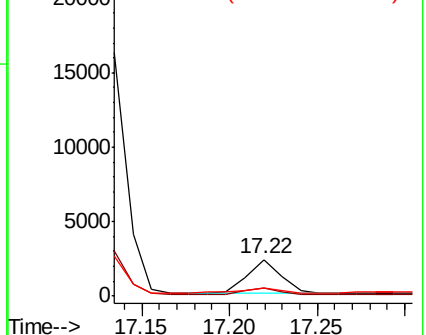
179 21.9 12.5 18.7#

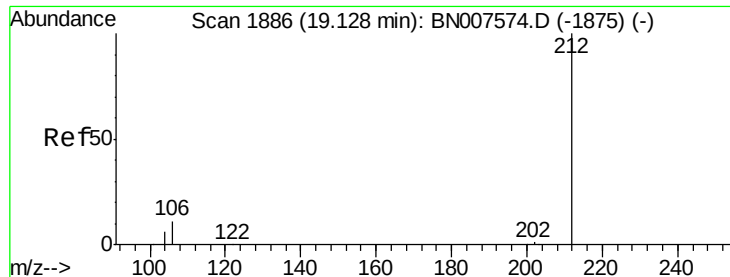


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.373 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Instrument :

BNA_N

ClientSampleId :

GW800-8.0-13.0-090719

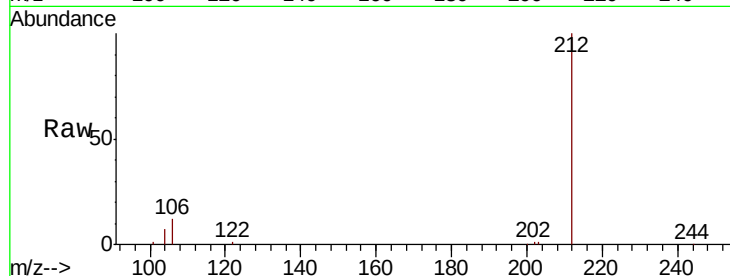
Tot Ion:212 Resp: 43797

Ion Ratio Lower Upper

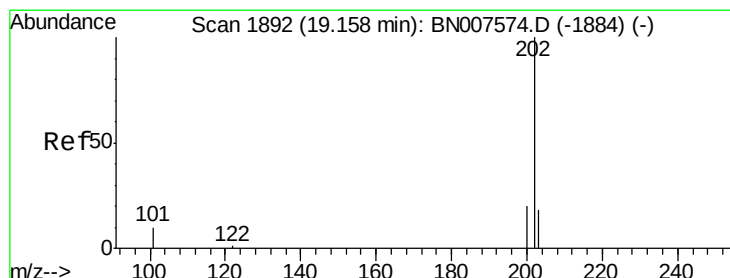
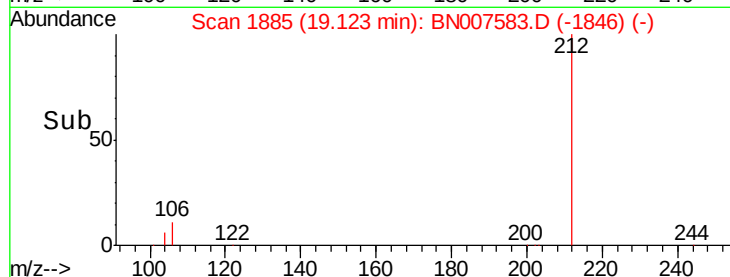
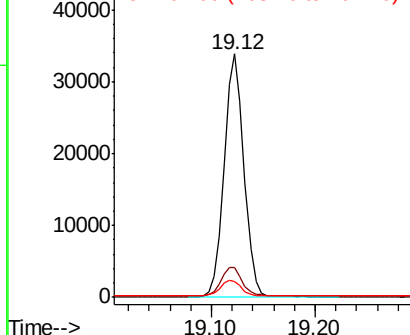
212 100

106 12.3 9.7 14.5

104 6.7 5.5 8.3



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: 0.037 ng

RT: 19.15 min Scan# 1891

Delta R.T. -0.01 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

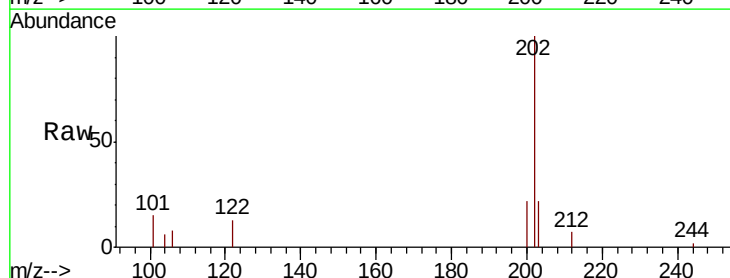
Tgt Ion:202 Resp: 5025

Ion Ratio Lower Upper

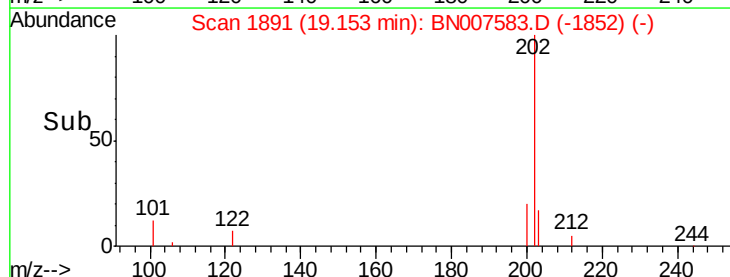
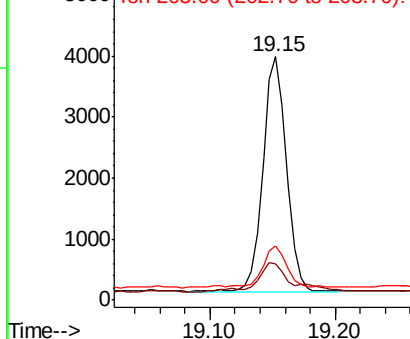
202 100

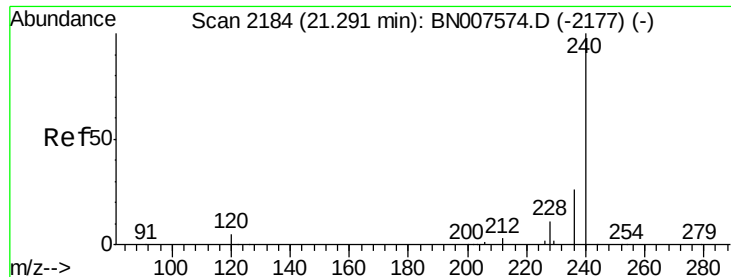
101 17.5 8.8 13.2#

203 17.5 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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.28 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Instrument :

BNA_N

ClientSampleId :

GW800-8.0-13.0-090719

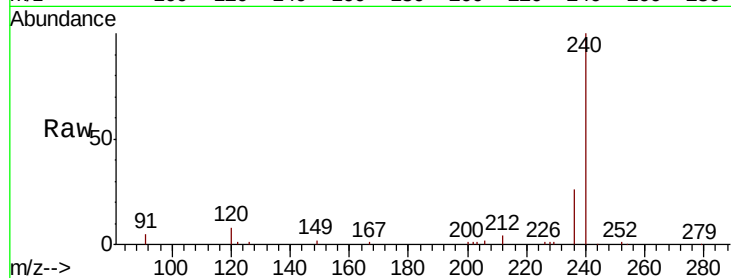
Tot Ion:240 Resp: 37357

Ion Ratio Lower Upper

240 100

120 8.5 5.0 7.4#

236 26.4 20.6 31.0

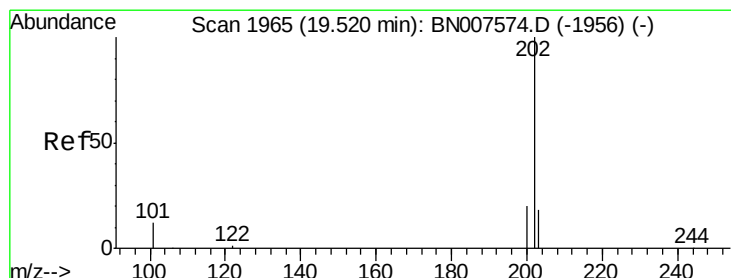
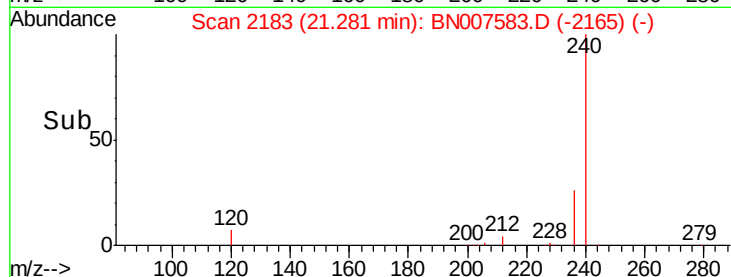
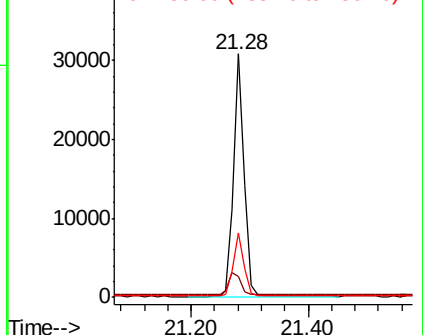


Abundance

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: 0.031 ng

RT: 19.51 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

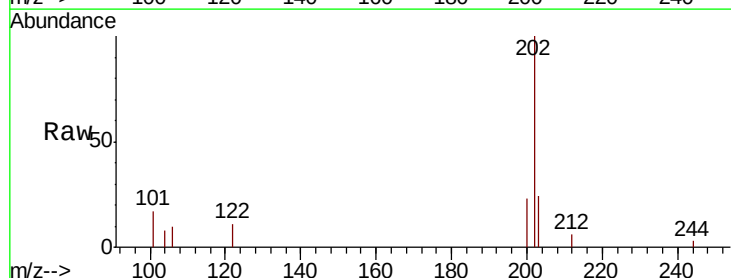
Tgt Ion:202 Resp: 4106

Ion Ratio Lower Upper

202 100

200 21.1 16.3 24.5

203 22.3 14.1 21.1#

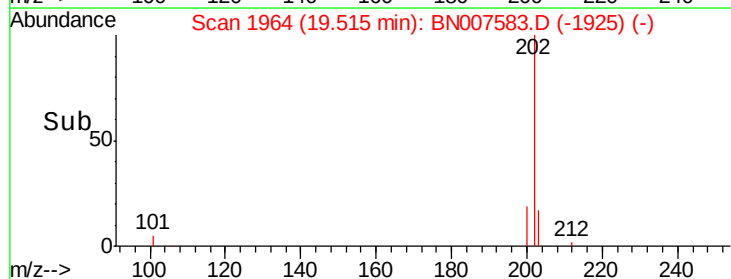
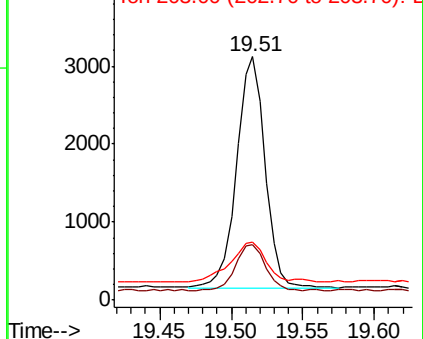


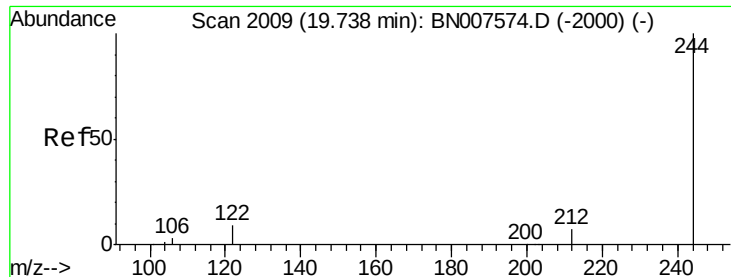
Abundance

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: 0.404 ng

RT: 19.73 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

Instrument :

BNA_N

ClientSampleId :

GW800-8.0-13.0-090719

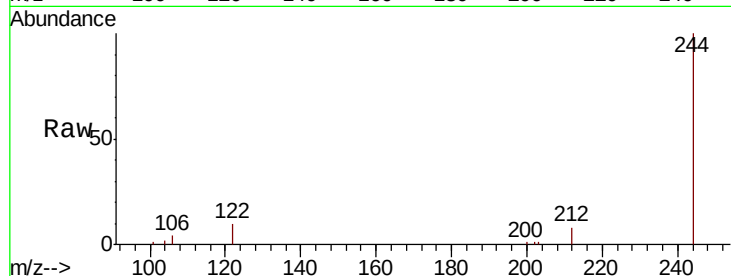
Tot Ion:244 Resp: 39309

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

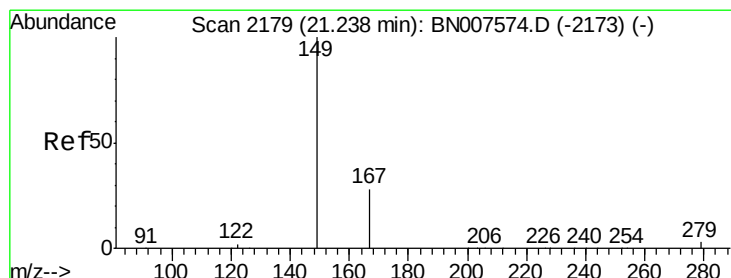
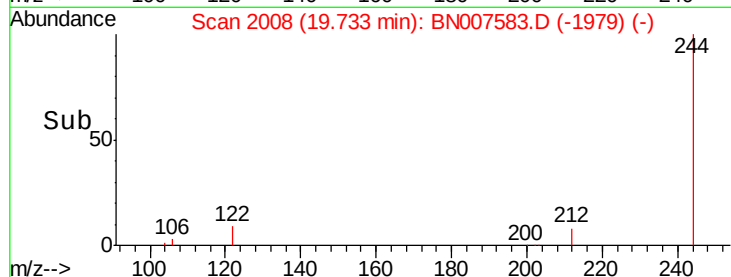
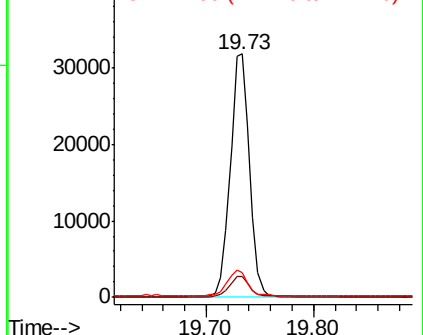
122 9.9 7.8 11.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.110 ng

RT: 21.23 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BN007583.D

Acq: 10 Sep 2019 19:42

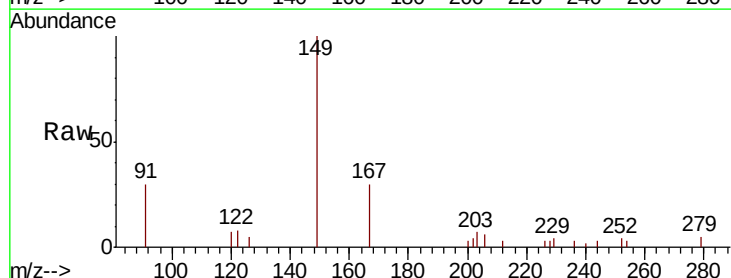
Tgt Ion:149 Resp: 5047

Ion Ratio Lower Upper

149 100

167 28.2 22.1 33.1

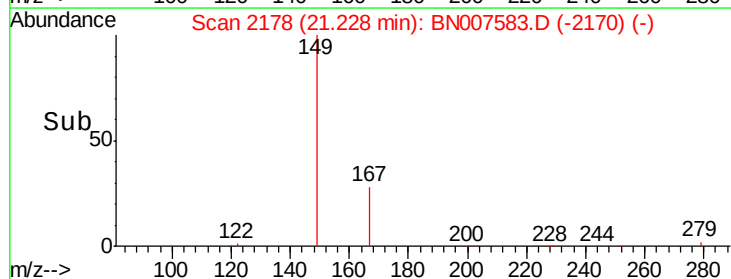
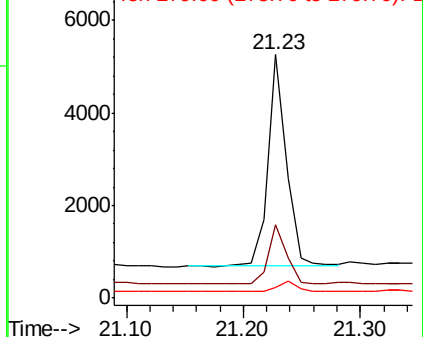
279 5.6 3.9 5.9

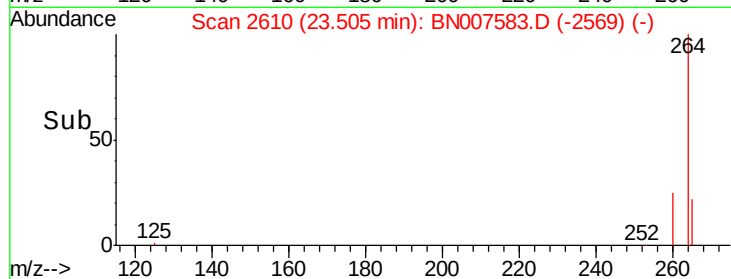
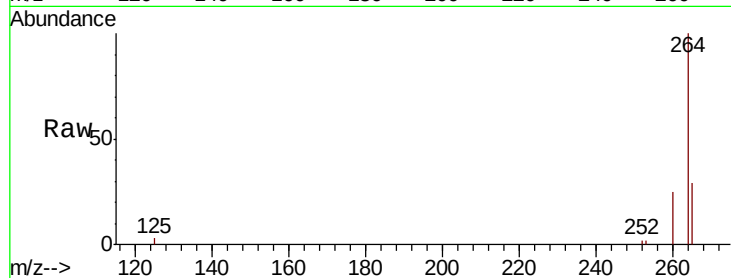
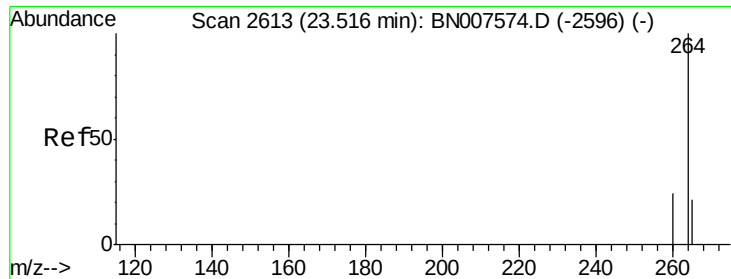


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.51 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BN007583.D
 Acq: 10 Sep 2019 19:42

Instrument :
 BNA_N
 ClientSampleId :
 GW800-8.0-13.0-090719

Tot Ion:	264	Resp:	40305
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.3	28.9
265	29.0	25.6	38.4

