

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090519\
 Data File : BN007542.D
 Acq On : 05 Sep 2019 20:40
 Operator : HP/JU
 Sample : K4697-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GW507-K2-5.0-10.0-090419

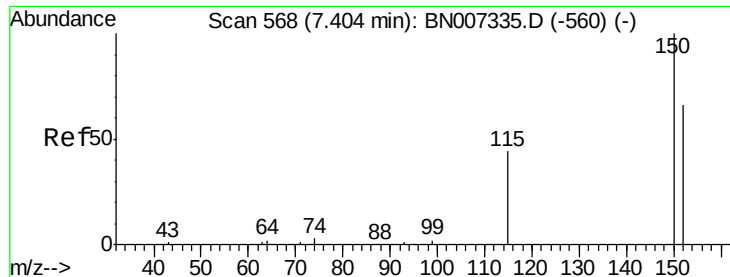
Quant Time: Sep 06 03:11:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 12:18:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	176	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	784	0.40	ng	-0.01
13) Acenaphthene-d10	14.04	164	449	0.40	ng	-0.02
19) Phenanthrene-d10	16.79	188	961	0.40	ng	0.00
27) Chrysene-d12	21.00	240	1005	0.40	ng	-0.01
34) Perylene-d12	23.11	264	839	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.03	112	57	0.07	ng	0.00
5) Phenol-d6	6.59	99	69	0.06	ng	0.00
8) Nitrobenzene-d5	8.53	82	141	0.21	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	242	0.19	ng	0.00
14) 2,4,6-Tribromophenol	15.54	330	51	0.22	ng	-0.02
15) 2-Fluorobiphenyl	12.65	172	703	0.39	ng	0.00
25) Fluoranthene-d10	18.84	212	544	0.18	ng	-0.01
29) Terphenyl-d14	19.46	244	647	0.25	ng	-0.01

Target Compounds				Qvalue		
9) Naphthalene	10.20	128	1373	0.613	ng	# 89
12) 2-Methylnaphthalene	11.82	142	248	0.163	ng	# 60
16) Acenaphthylene	13.76	152	255	0.096	ng	# 72
17) Acenaphthene	14.10	154	119	0.077	ng	90
18) Fluorene	15.11	166	140	0.071	ng	# 71
22) Pentachlorophenol	16.45	266	64	0.320	ng	88
23) Phenanthrene	16.84	178	357	0.124	ng	# 71
24) Anthracene	16.92	178	148	0.051	ng	# 71
26) Fluoranthene	18.86	202	481	0.130	ng	# 89
28) Pylene	19.23	202	524	0.130	ng	# 85
30) Benzo(a)anthracene	20.99	228	868	0.220	ng	# 33
31) Chrysene	21.05	228	540	0.142	ng	# 67
32) Bis(2-ethylhexyl)phthalate	20.95	149	1014	0.378	ng	# 75

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.40 min Scan# 567

Delta R.T. -0.01 min

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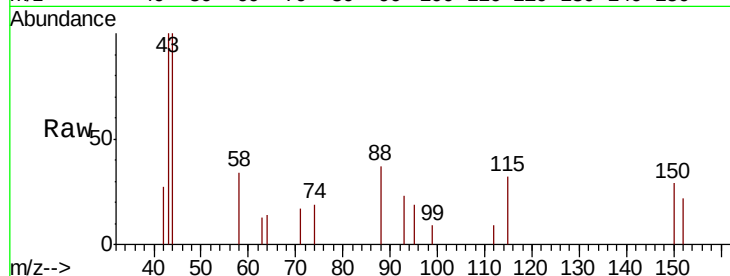
Tot Ion:152 Resp: 176

Ion Ratio Lower Upper

152 100

150 132.3 109.1 163.7

115 147.8 59.6 89.4#

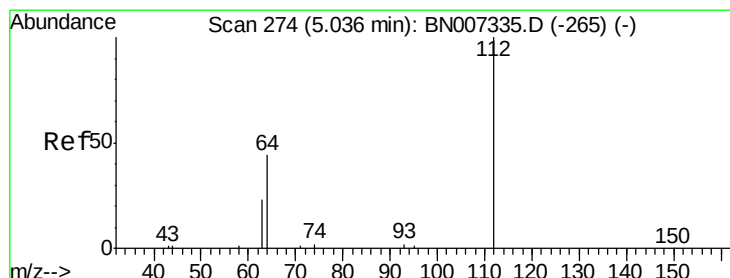
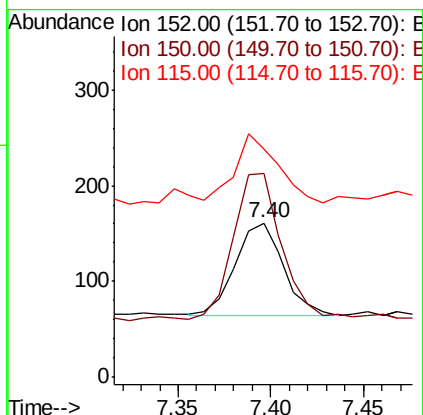
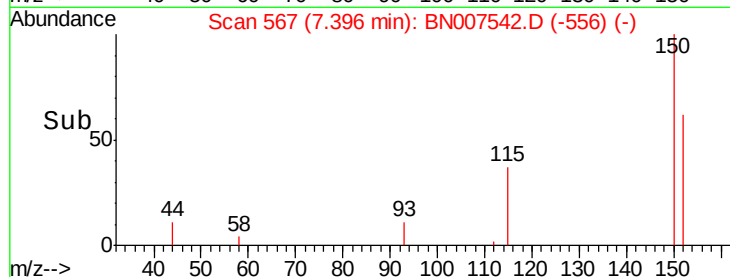


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



#4

2-Fluorophenol

Concen: 0.070 ng

RT: 5.03 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

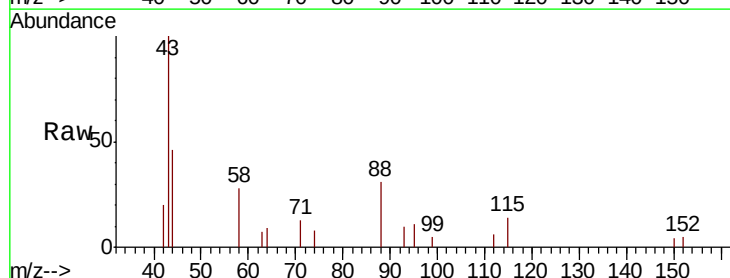
Tgt Ion:112 Resp: 57

Ion Ratio Lower Upper

112 100

64 107.0 42.3 63.5#

63 40.4 23.6 35.4#

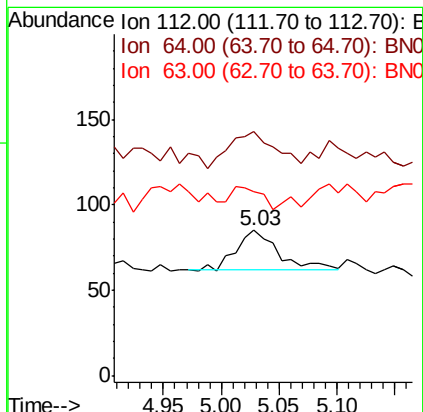
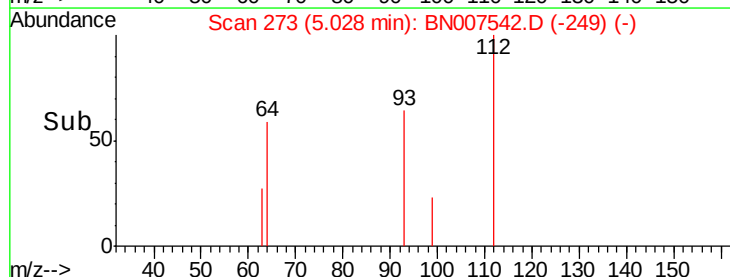


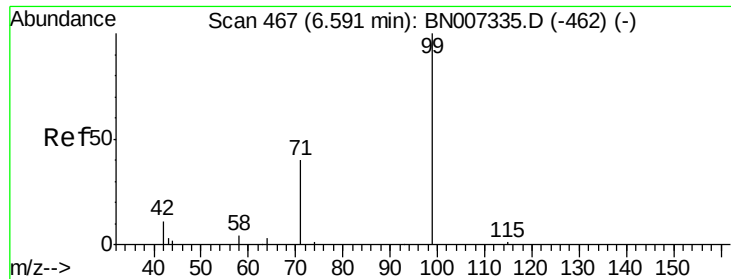
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Time-->





#5

Phenol-d6

Concen: 0.063 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

Instrument :

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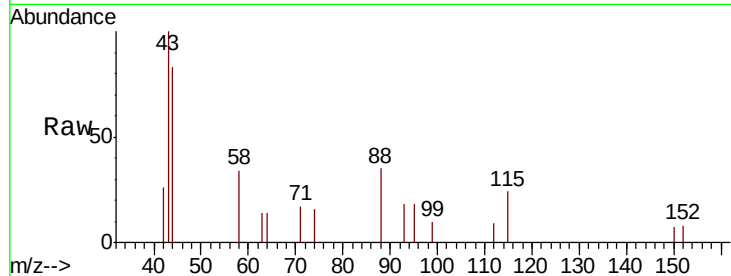
Tot Ion: 99 Resp: 69

Ion Ratio Lower Upper

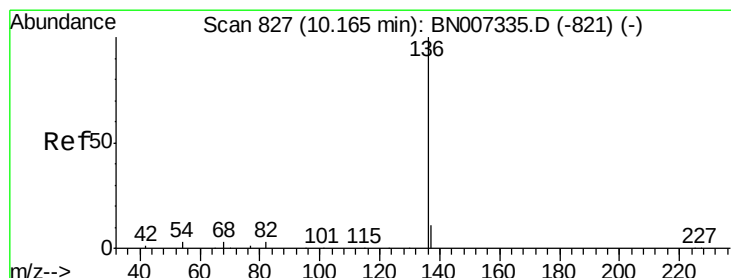
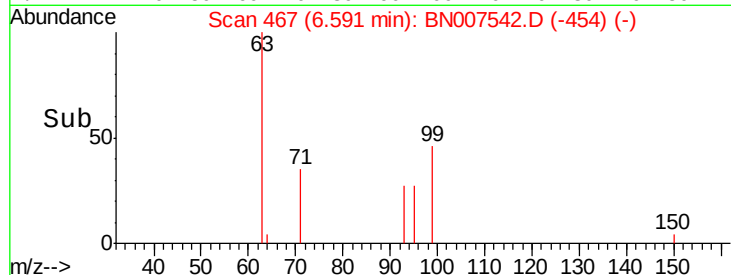
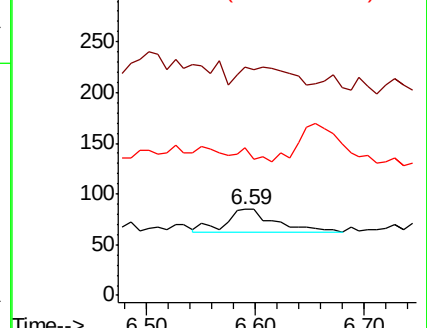
99 100

42 85.5 11.2 16.8#

71 0.0 31.8 47.8#



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

Tgt Ion: 136 Resp: 784

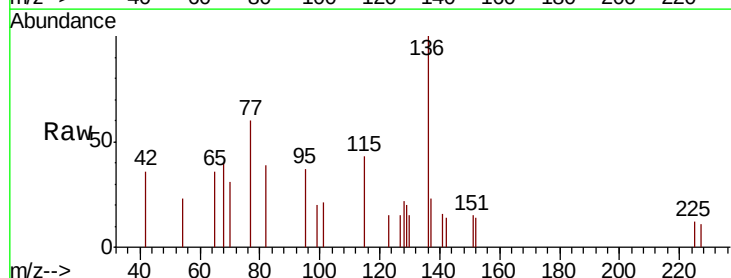
Ion Ratio Lower Upper

136 100

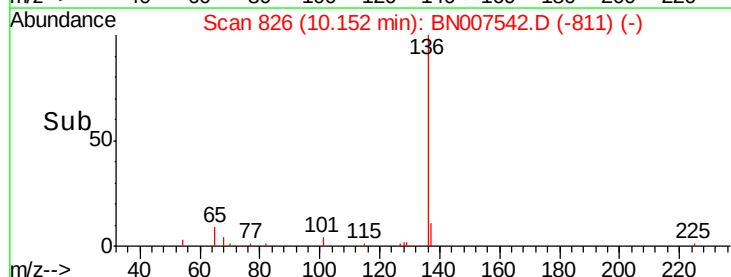
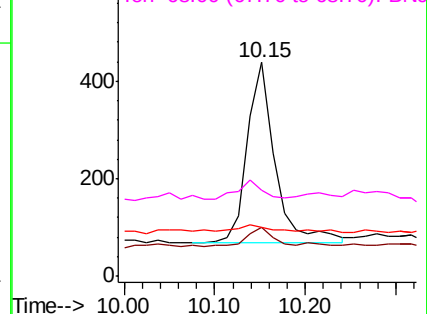
137 22.8 12.9 19.3#

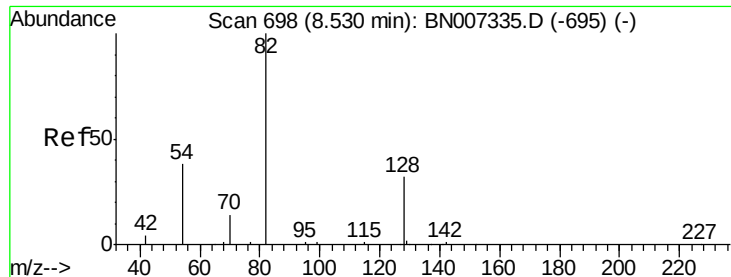
54 23.0 8.6 12.8#

68 40.1 17.0 25.4#



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: 0.207 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

Instrument :

BNA_N

ClientSampleId :

GW507-K2-5.0-10.0-090419

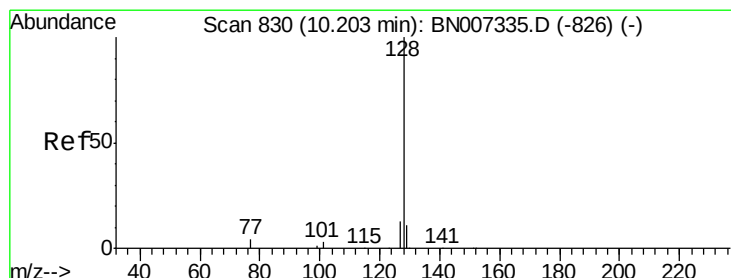
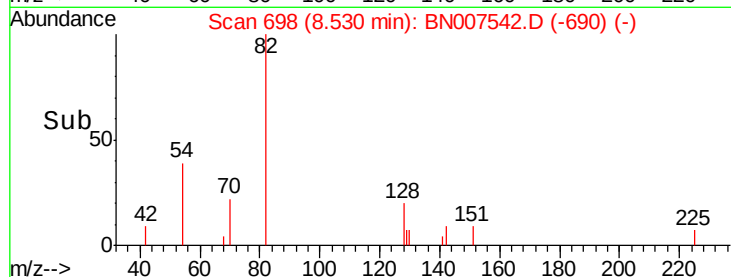
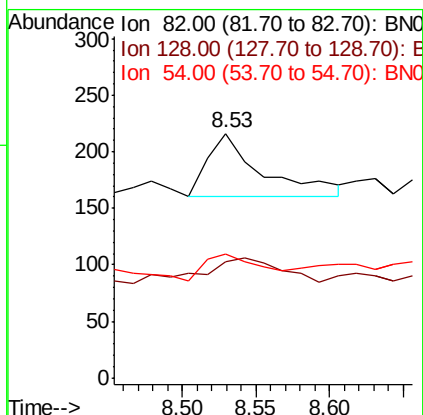
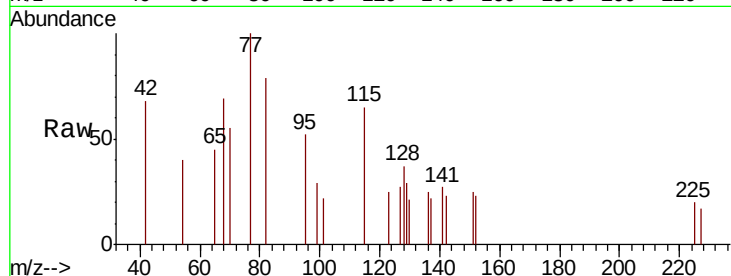
Tot Ion: 82 Resp: 141

Ion Ratio Lower Upper

82 100

128 47.7 19.7 29.5#

54 50.9 25.8 38.6#



#9

Naphthalene

Concen: 0.613 ng

RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

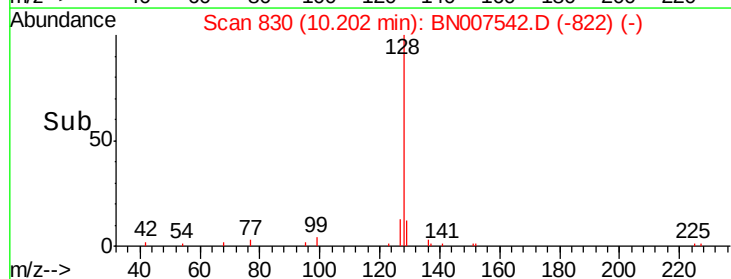
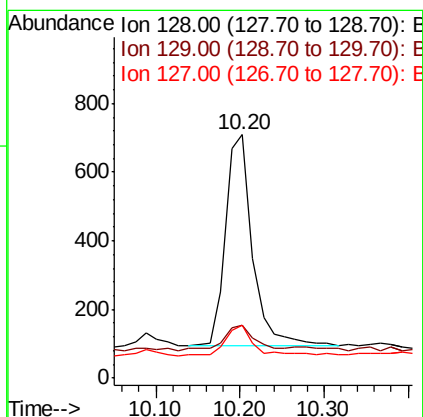
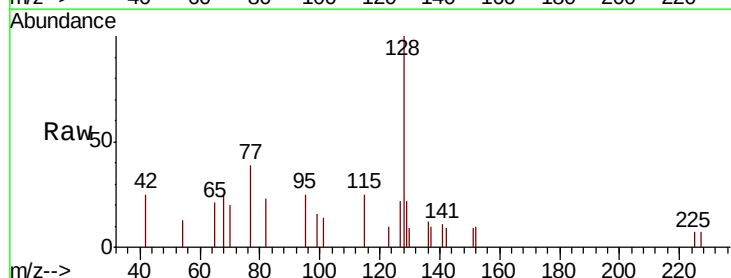
Tgt Ion: 128 Resp: 1373

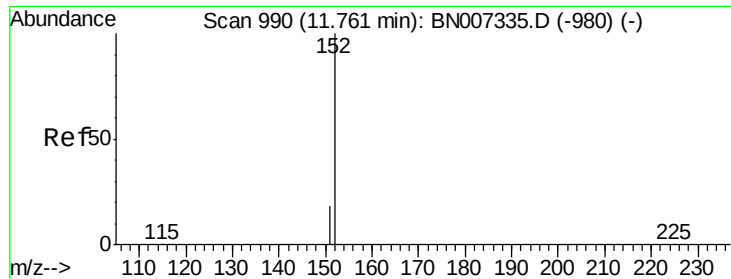
Ion Ratio Lower Upper

128 100

129 21.7 11.1 16.7#

127 21.9 15.5 23.3

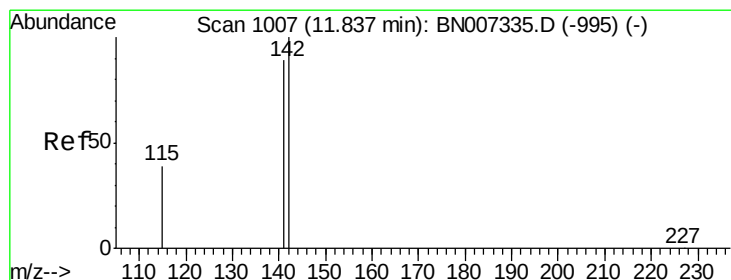
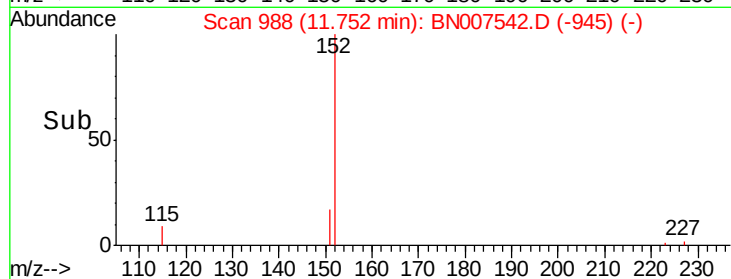
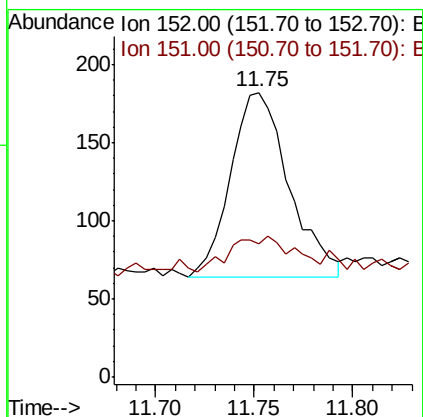
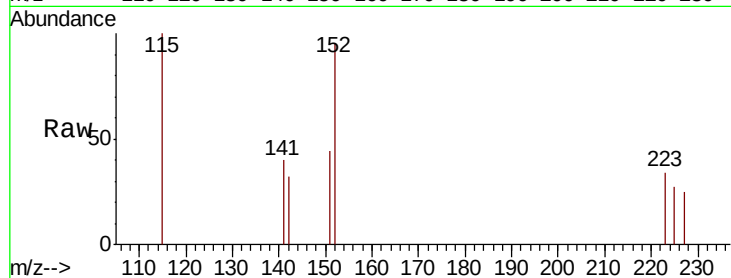




#11
2-Methylnaphthalene-d10
Concen: 0.186 ng
RT: 11.75 min Scan# 988
Delta R.T. -0.01 min
Lab File: BN007542.D
Acq: 05 Sep 2019 20:40

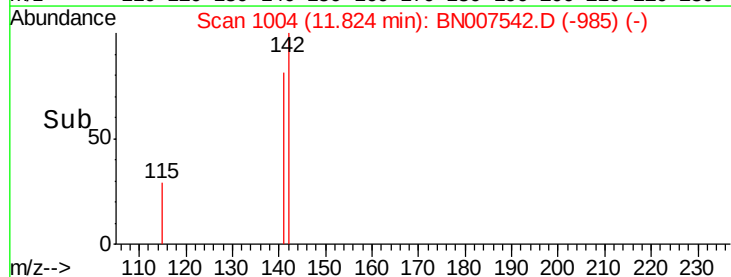
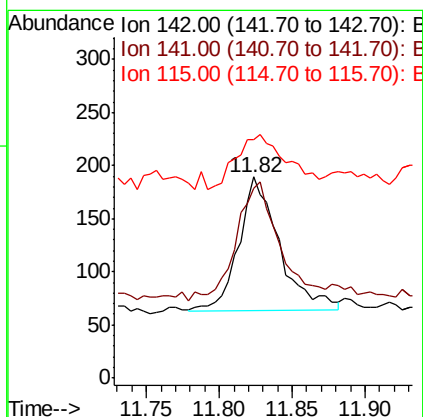
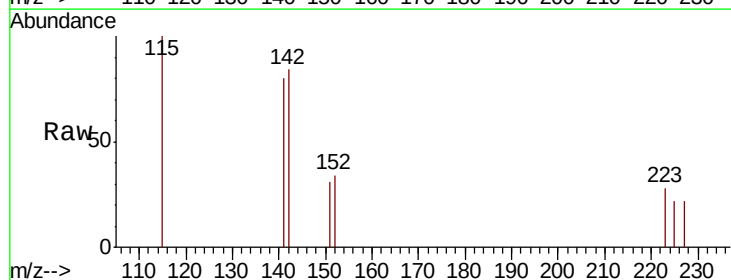
Instrument :
BNA_N
ClientSampleId :
GW507-K2-5.0-10.0-090419

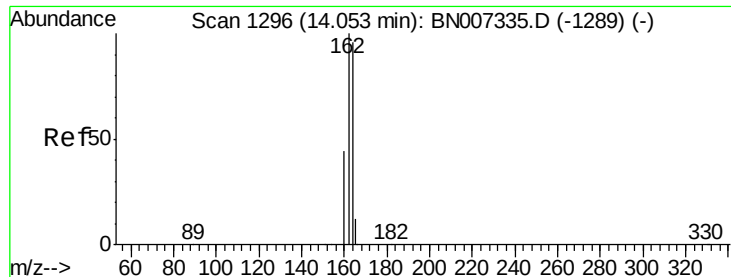
Tot Ion:152 Resp: 242
Ion Ratio Lower Upper
152 100
151 21.5 16.2 24.2



#12
2-Methylnaphthalene
Concen: 0.163 ng
RT: 11.82 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BN007542.D
Acq: 05 Sep 2019 20:40

Tgt Ion:142 Resp: 248
Ion Ratio Lower Upper
142 100
141 94.7 72.8 109.2
115 118.5 35.2 52.8#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.04 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

Instrument :

BNA_N

ClientSampleId :

GW507-K2-5.0-10.0-090419

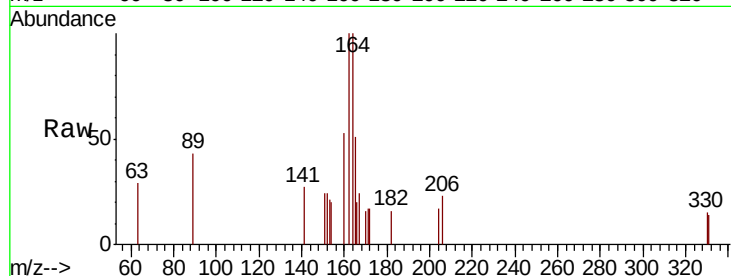
Tot Ion:164 Resp: 449

Ion Ratio Lower Upper

164 100

162 99.7 83.5 125.3

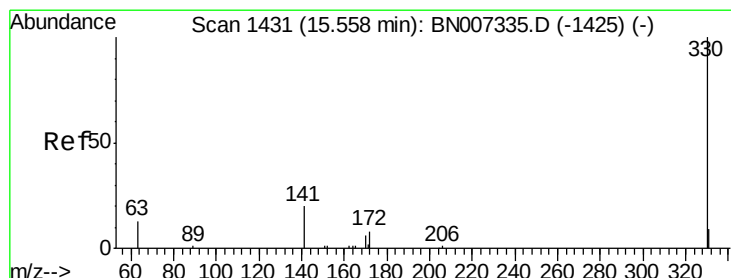
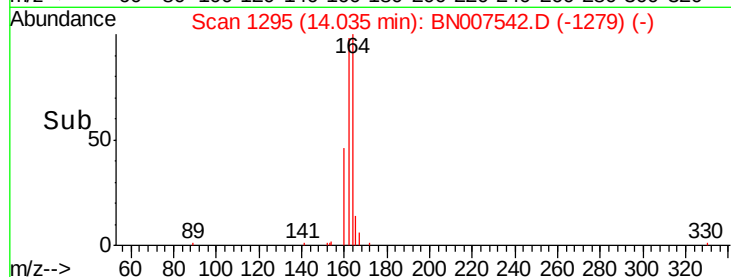
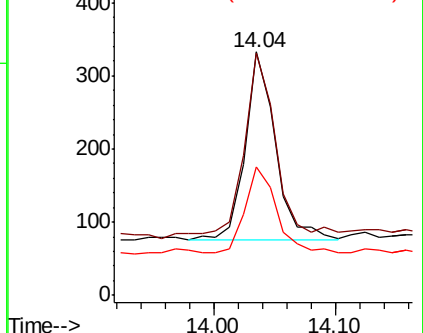
160 52.9 38.2 57.4



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: 0.217 ng

RT: 15.54 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

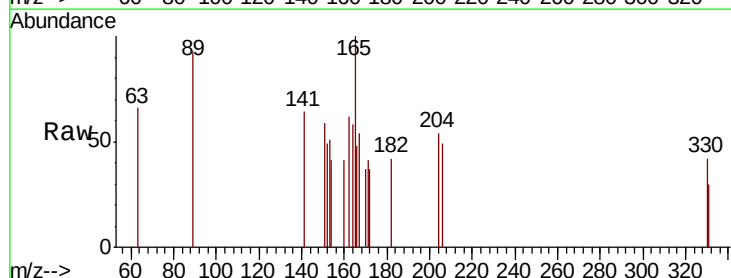
Tgt Ion:330 Resp: 51

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

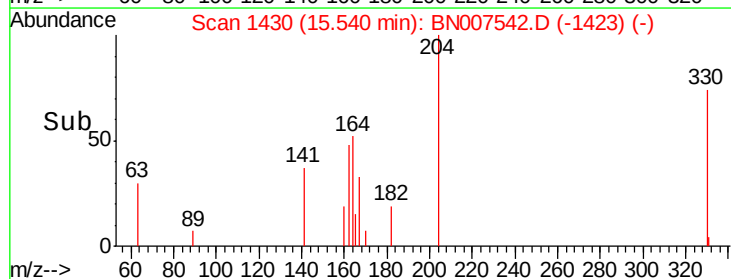
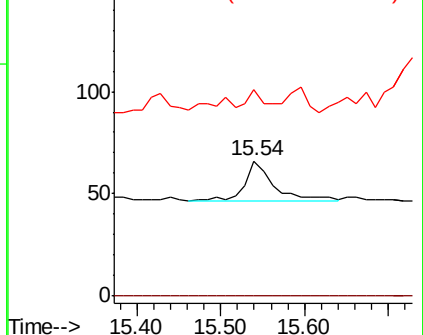
141 19.6 26.9 40.3#

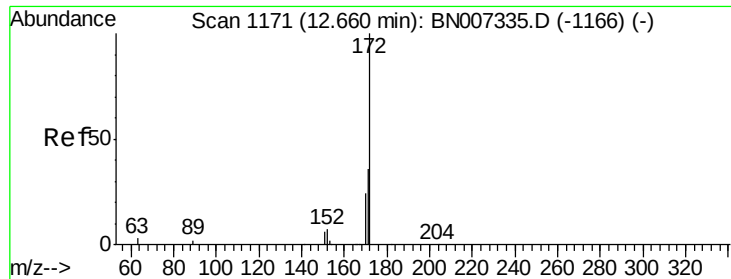


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

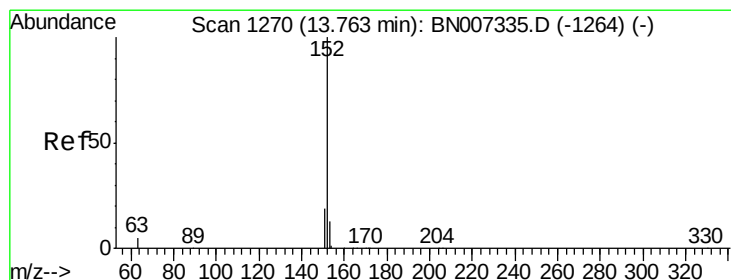
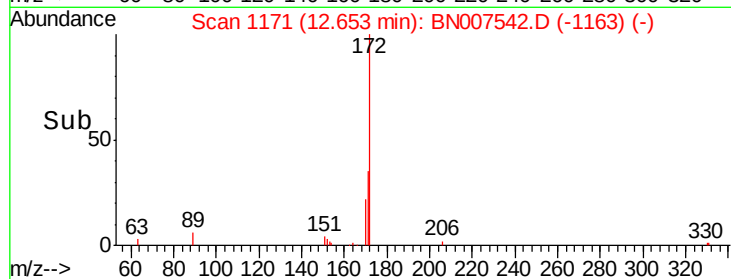
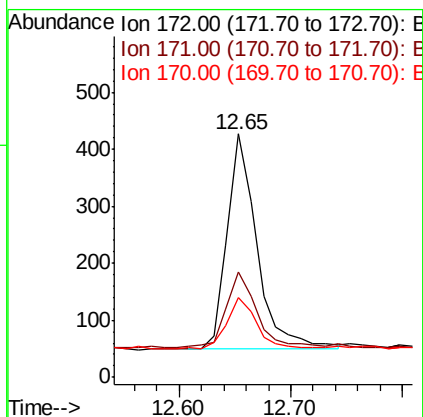
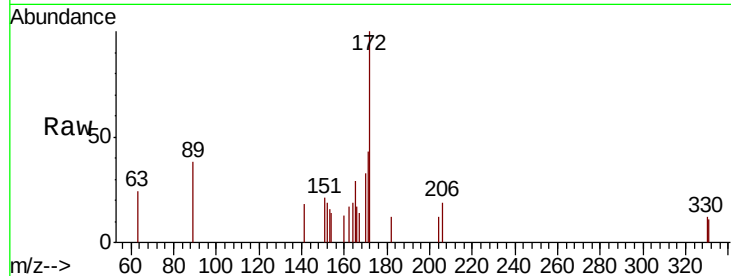




#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007542.D
Acq: 05 Sep 2019 20:40

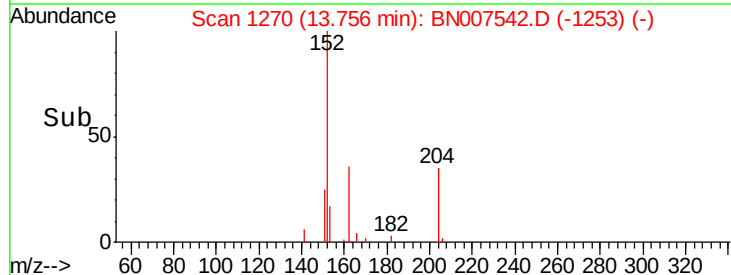
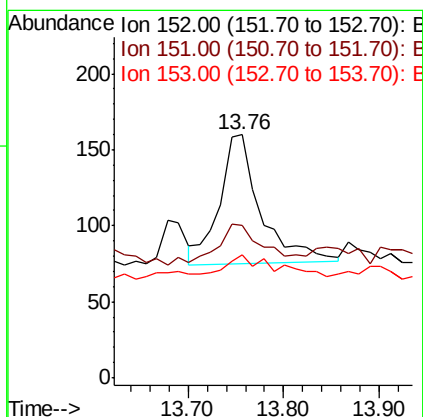
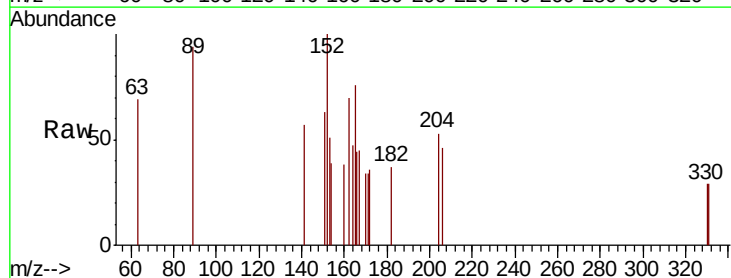
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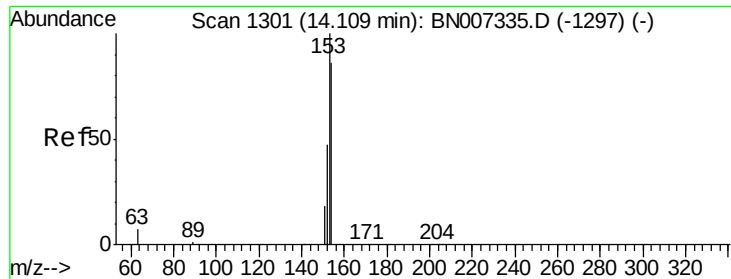
Tot Ion:172 Resp: 703
Ion Ratio Lower Upper
172 100
171 43.1 30.3 45.5
170 32.6 20.7 31.1#



#16
Acenaphthylene
Concen: 0.096 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007542.D
Acq: 05 Sep 2019 20:40

Tgt Ion:152 Resp: 255
Ion Ratio Lower Upper
152 100
151 38.4 16.1 24.1#
153 17.6 10.6 15.8#





#17

Acenaphthene

Concen: 0.077 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

Instrument :

BNA_N

ClientSampleId :

GW507-K2-5.0-10.0-090419

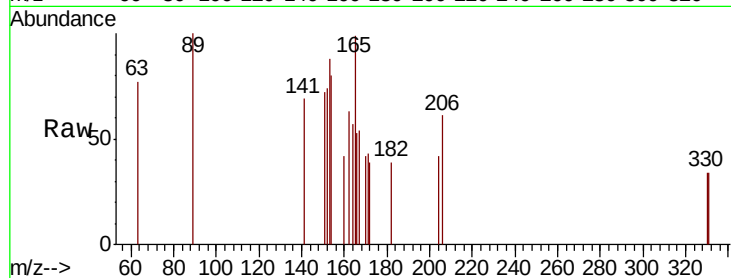
Tot Ion:154 Resp: 119

Ion Ratio Lower Upper

154 100

153 101.7 92.8 139.2

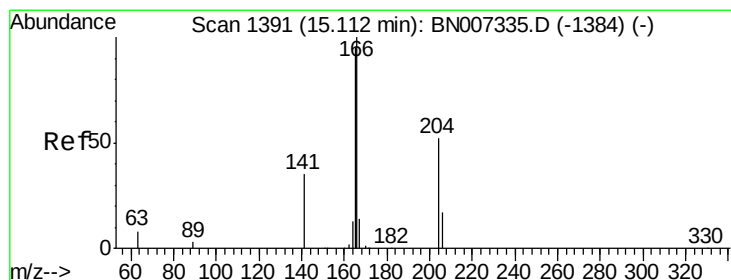
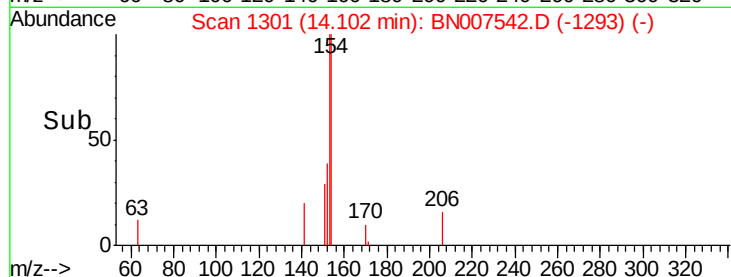
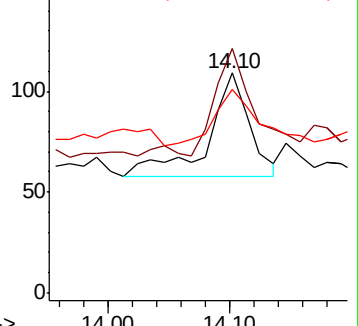
152 58.0 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.071 ng

RT: 15.11 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

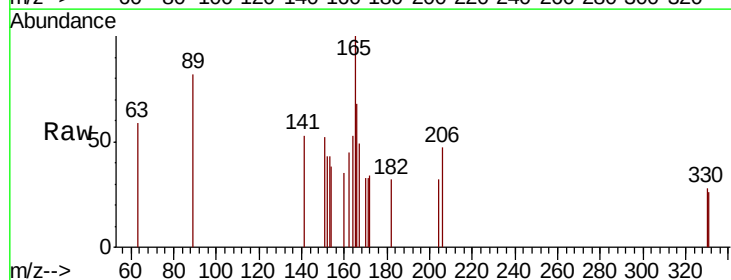
Tgt Ion:166 Resp: 140

Ion Ratio Lower Upper

166 100

165 68.6 79.0 118.4#

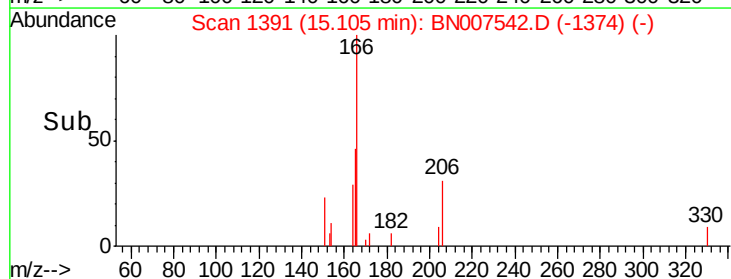
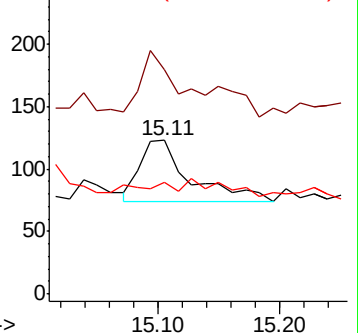
167 6.4 10.6 15.8#

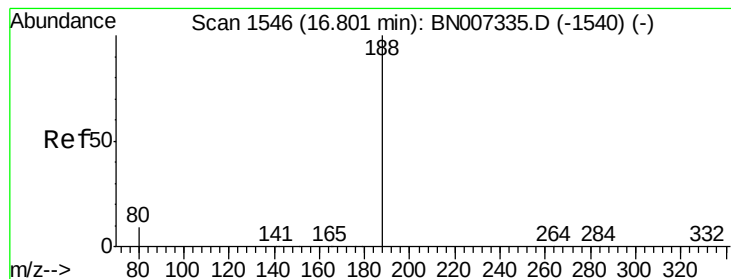


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

Instrument :

BNA_N

ClientSampleId :

GW507-K2-5.0-10.0-090419

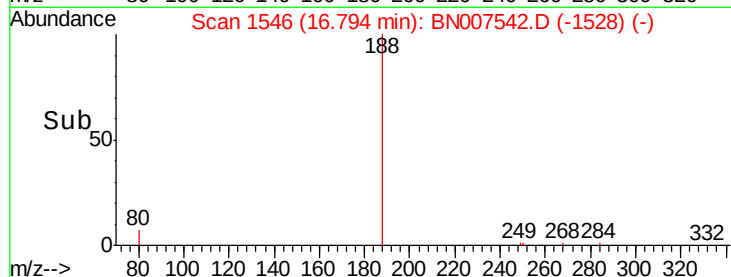
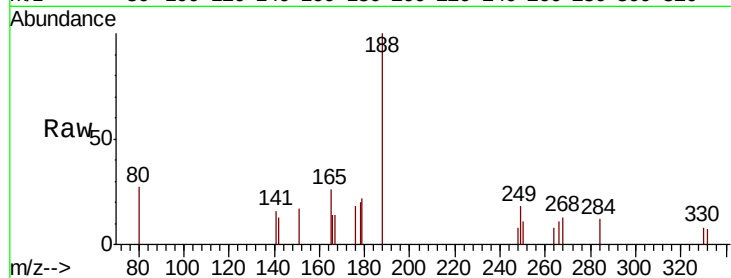
Tot Ion:188 Resp: 961

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

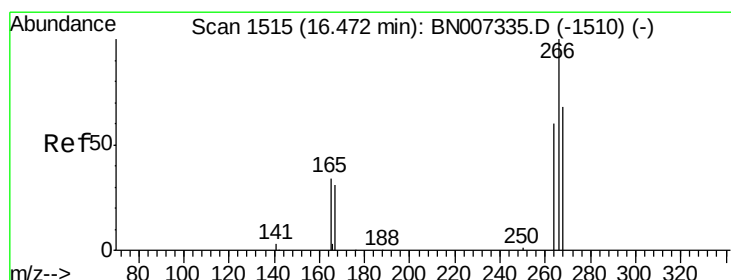
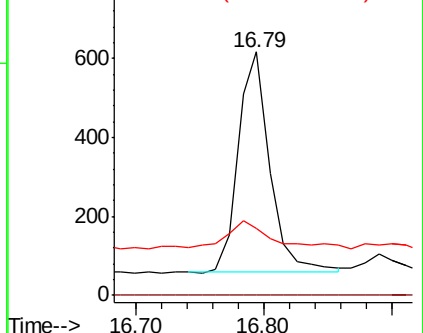
80 27.2 11.8 17.8#



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



#22

Pentachlorophenol

Concen: 0.320 ng

RT: 16.45 min Scan# 1514

Delta R.T. -0.02 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

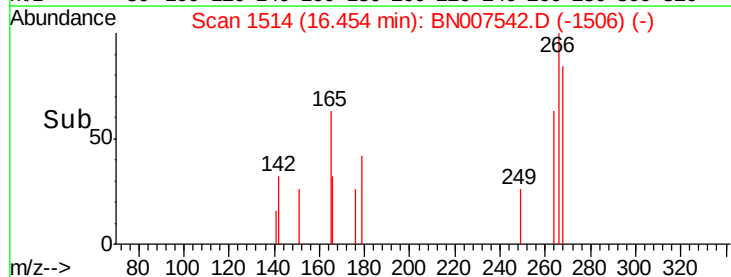
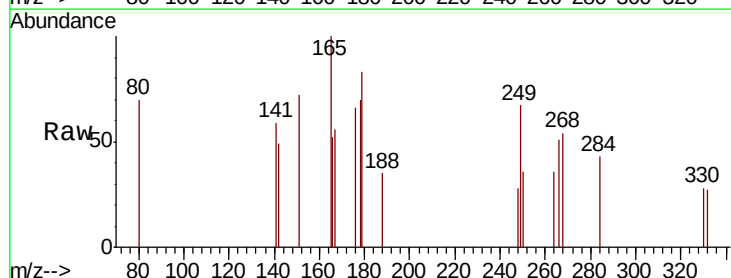
Tgt Ion:266 Resp: 64

Ion Ratio Lower Upper

266 100

264 69.0 57.8 86.8

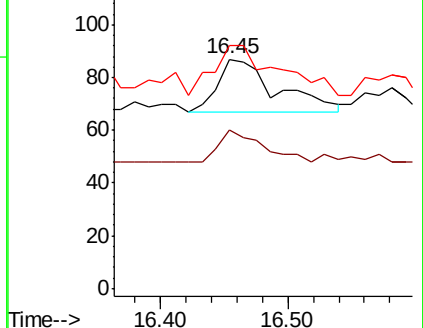
268 105.7 99.7 149.5

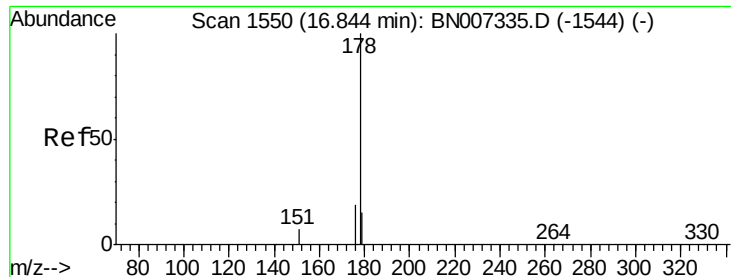


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.124 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

Instrument:

BNA_N

ClientSampleId:

GW507-K2-5.0-10.0-090419

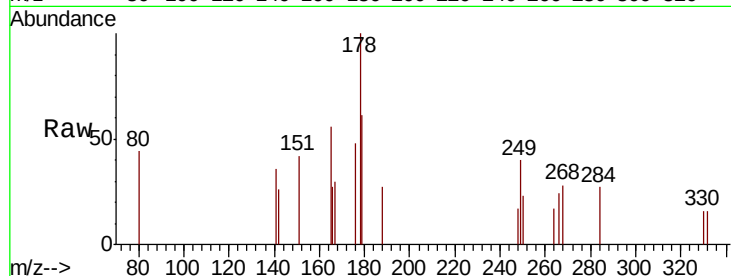
Tot Ion:178 Resp: 357

Ion Ratio Lower Upper

178 100

176 21.0 15.3 22.9

179 40.6 12.6 19.0#

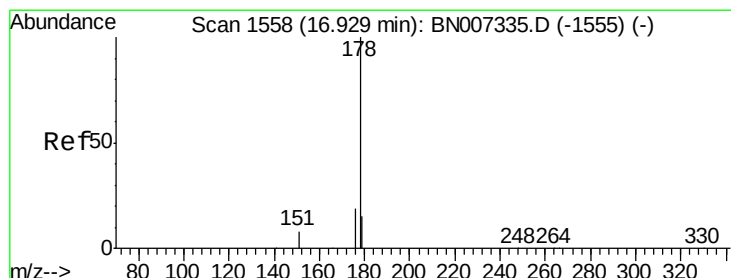
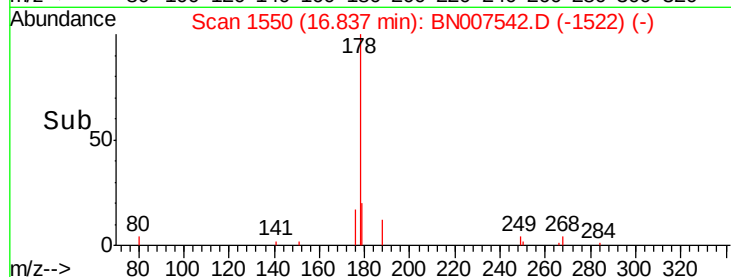
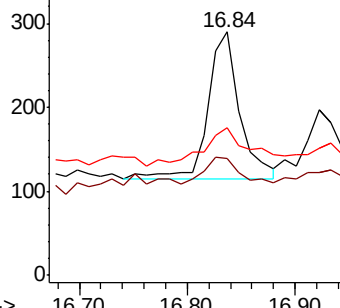


Abundance

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: 0.051 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

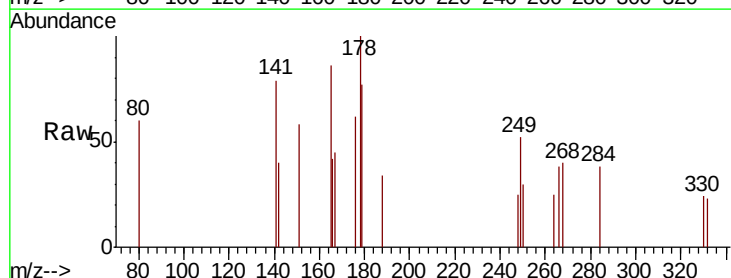
Tgt Ion:178 Resp: 148

Ion Ratio Lower Upper

178 100

176 38.5 14.9 22.3#

179 19.6 12.4 18.6#

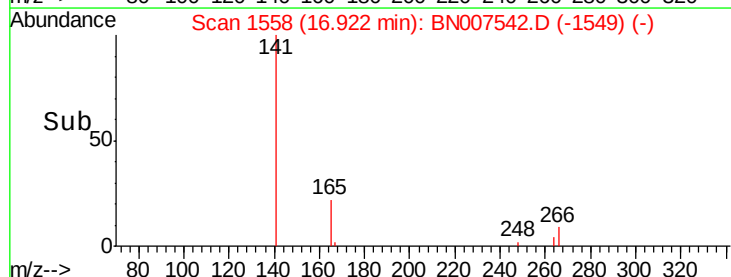
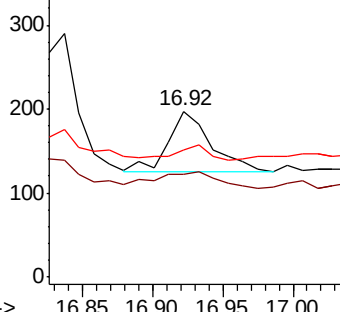


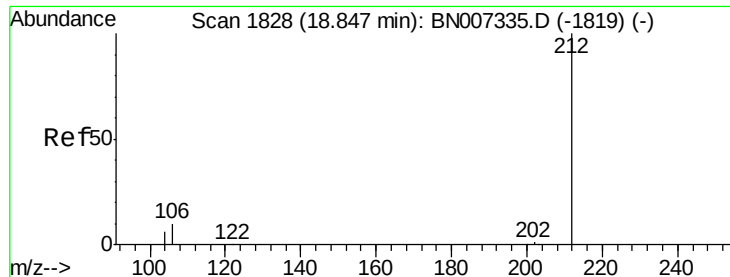
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.176 ng

RT: 18.84 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

Instrument :

BNA_N

ClientSampleId :

GW507-K2-5.0-10.0-090419

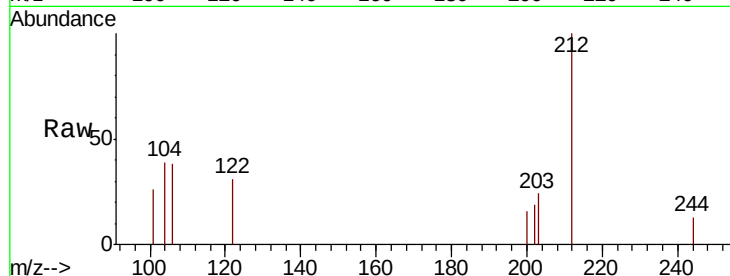
Tot Ion:212 Resp: 544

Ion Ratio Lower Upper

212 100

106 13.8 9.0 13.4#

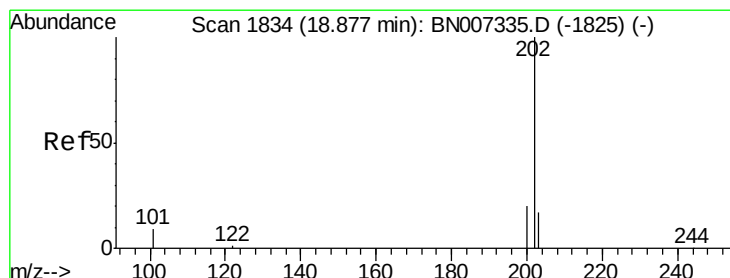
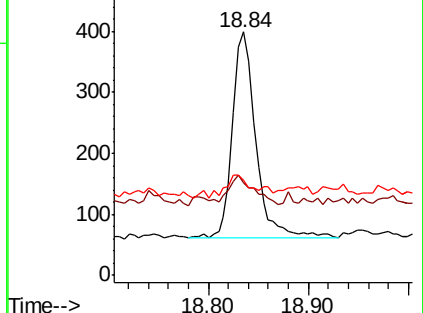
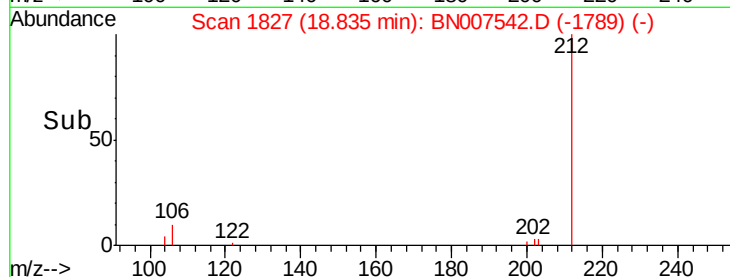
104 11.4 5.4 8.2#



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: 0.130 ng

RT: 18.86 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

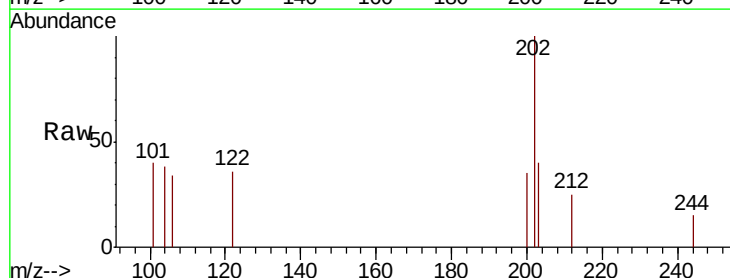
Tgt Ion:202 Resp: 481

Ion Ratio Lower Upper

202 100

101 13.9 7.7 11.5#

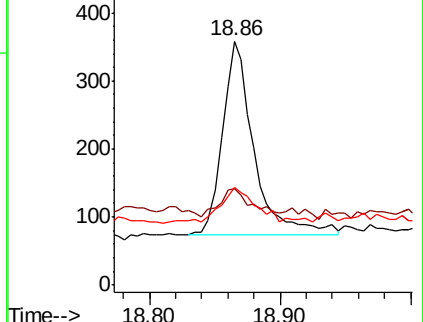
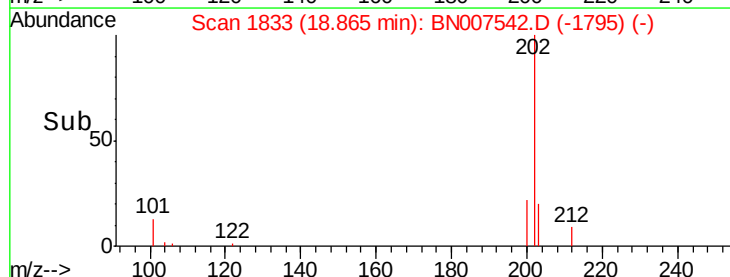
203 21.4 13.7 20.5#

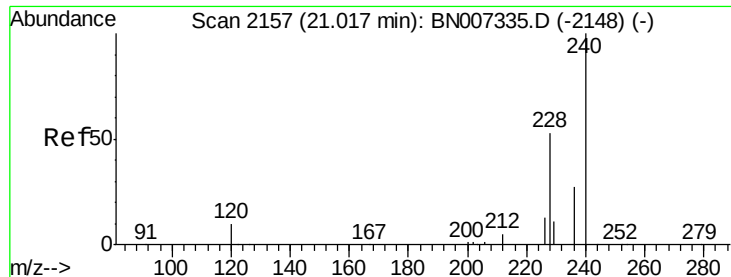


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.00 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

Instrument :

BNA_N

ClientSampleId :

GW507-K2-5.0-10.0-090419

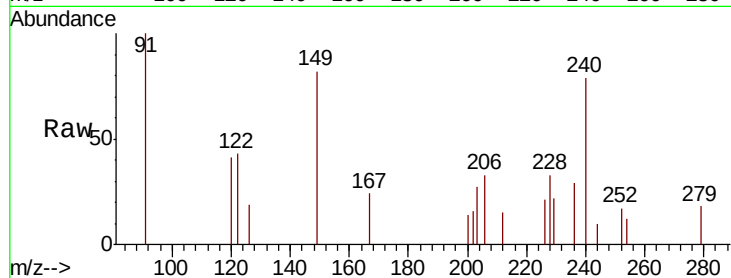
Tot Ion:240 Resp: 1005

Ion Ratio Lower Upper

240 100

120 52.3 9.6 14.4#

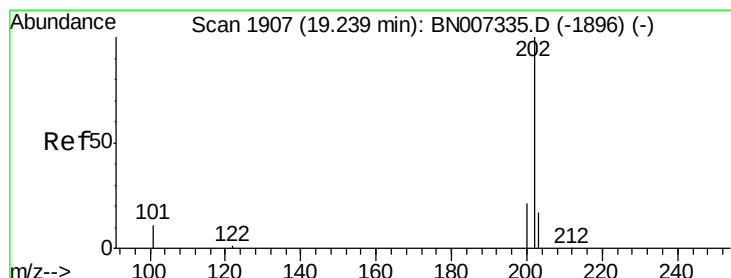
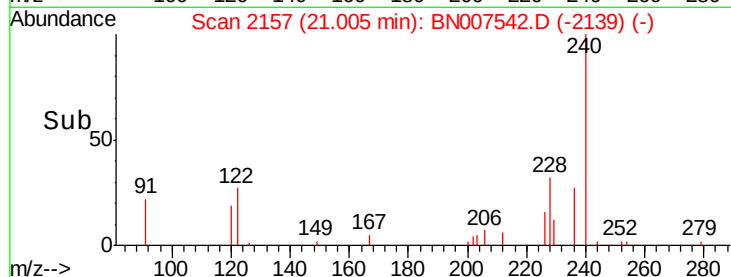
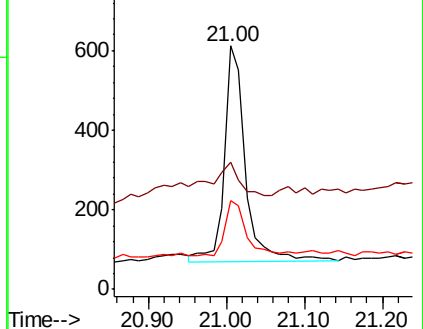
236 36.3 22.2 33.2#



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: 0.130 ng

RT: 19.23 min Scan# 1907

Delta R.T. -0.01 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

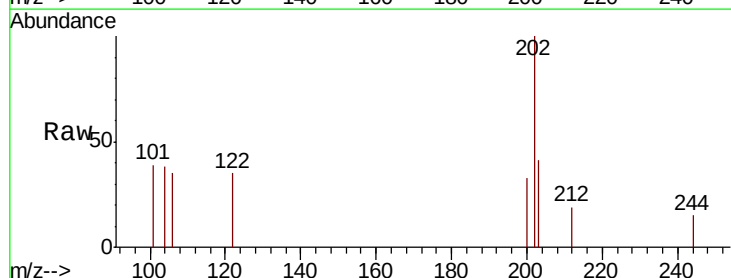
Tgt Ion:202 Resp: 524

Ion Ratio Lower Upper

202 100

200 18.7 16.6 25.0

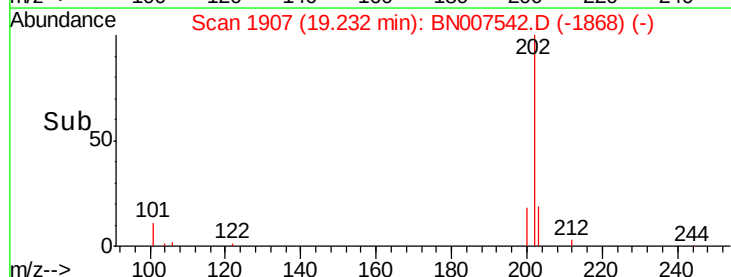
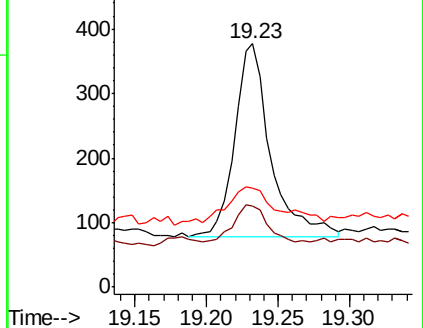
203 30.0 14.2 21.4#

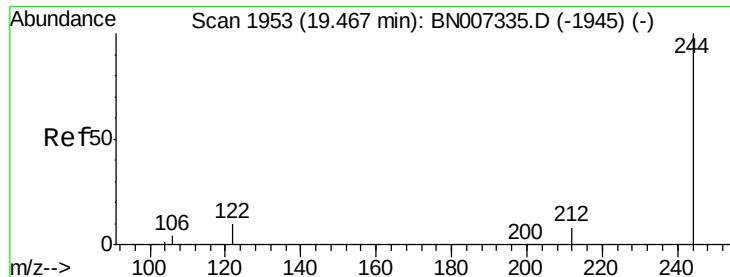


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.246 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

Instrument :

BNA_N

ClientSampleId :

GW507-K2-5.0-10.0-090419

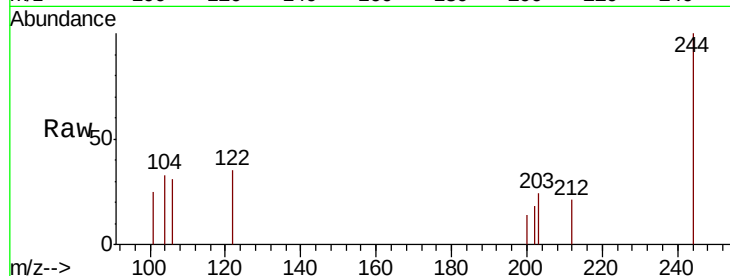
Tot Ion:244 Resp: 647

Ion Ratio Lower Upper

244 100

212 20.6 7.0 10.6#

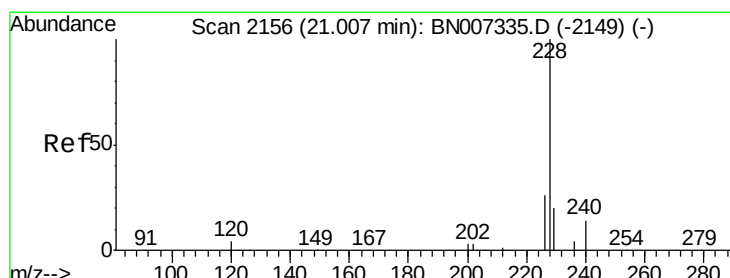
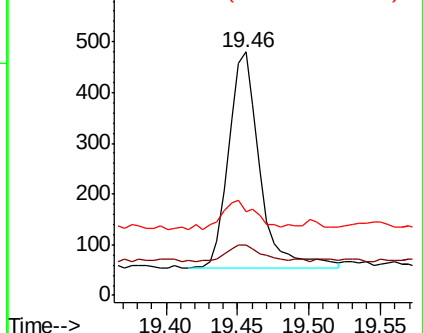
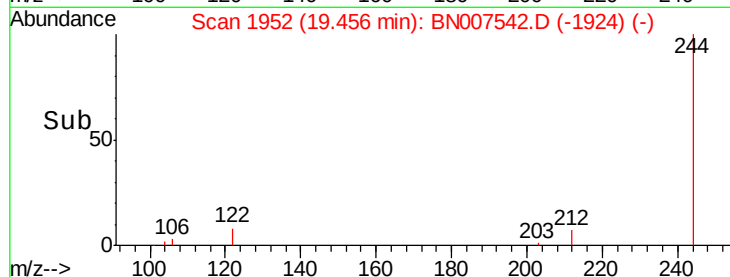
122 34.6 9.6 14.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.220 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

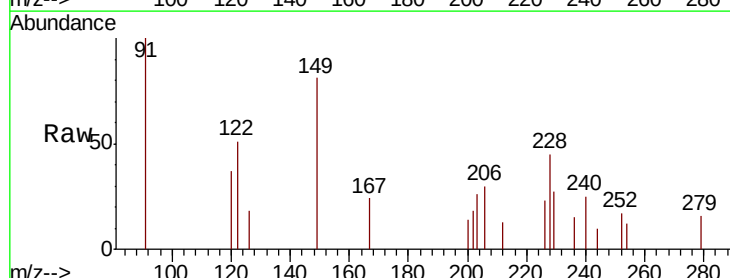
Tgt Ion:228 Resp: 868

Ion Ratio Lower Upper

228 100

226 51.9 21.3 31.9#

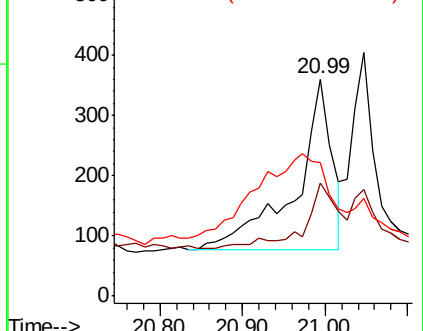
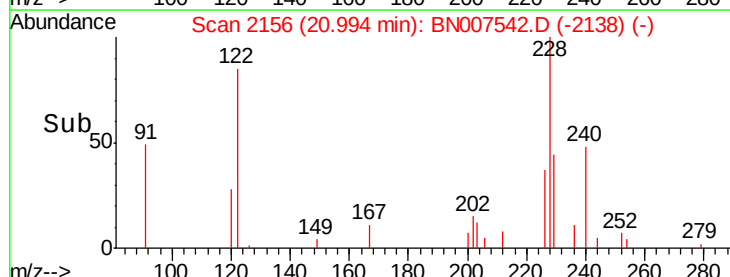
229 61.4 16.1 24.1#

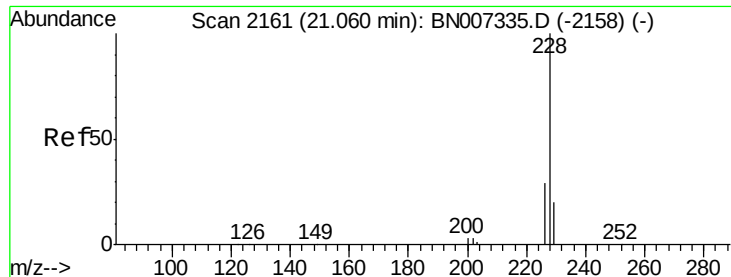


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.142 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

Instrument :

BNA_N

ClientSampleId :

GW507-K2-5.0-10.0-090419

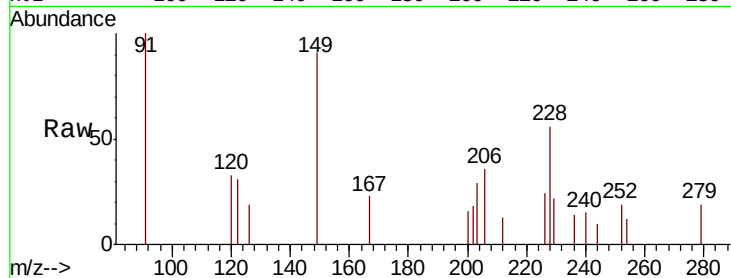
Tot Ion:228 Resp: 540

Ion Ratio Lower Upper

228 100

226 43.8 23.5 35.3#

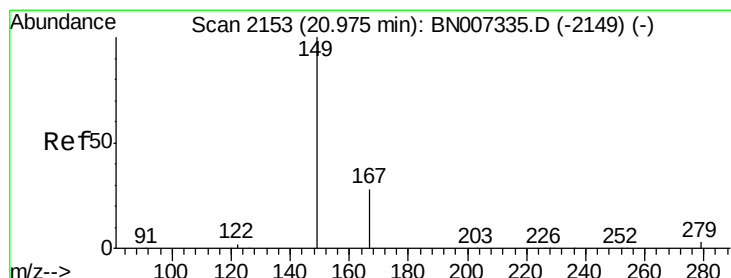
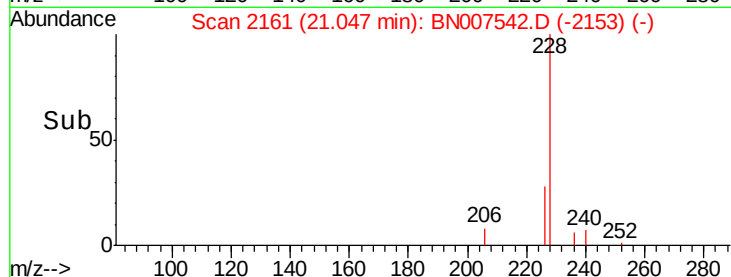
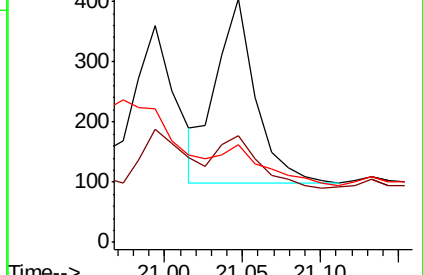
229 40.3 16.6 24.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.378 ng

RT: 20.95 min Scan# 2152

Delta R.T. -0.02 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

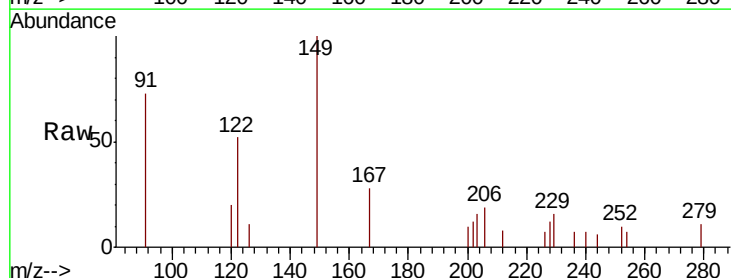
Tgt Ion:149 Resp: 1014

Ion Ratio Lower Upper

149 100

167 43.8 22.8 34.2#

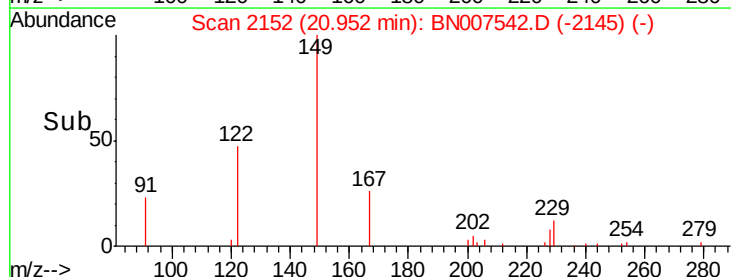
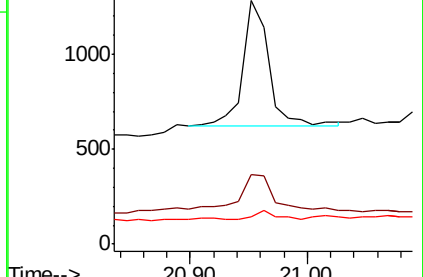
279 5.6 3.5 5.3#

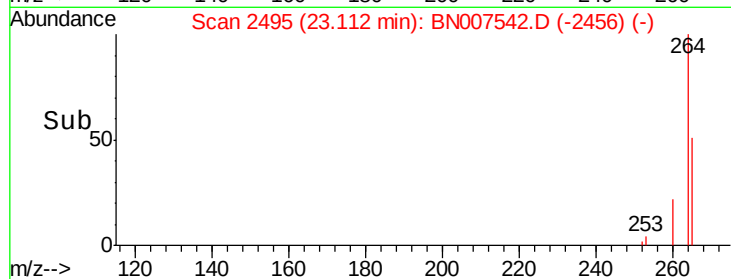
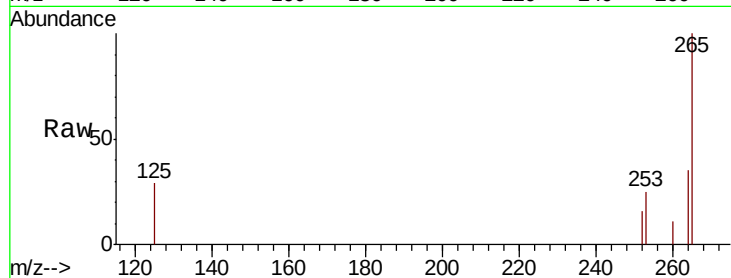
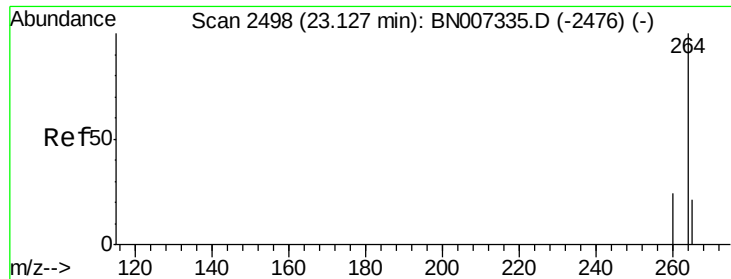


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.11 min Scan# 2495

Delta R.T. -0.02 min

Lab File: BN007542.D

Acq: 05 Sep 2019 20:40

Instrument :

BNA_N

ClientSampleId :

GW507-K2-5.0-10.0-090419

Tot Ion: 264 Resp: 839

Ion Ratio Lower Upper

264 100

260 32.9 19.7 29.5#

265 286.9 29.9 44.9#

