

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091119\
 Data File : BN007590.D
 Acq On : 11 Sep 2019 16:28
 Operator : HP/JU
 Sample : K4698-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GW507-K2-35.0-40.0-090419

Quant Time: Sep 11 17:01:59 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Sep 11 14:14:20 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	6753	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	27090	0.40	ng	0.00
13) Acenaphthene-d10	14.34	164	16289	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	34326	0.40	ng	0.00
27) Chrysene-d12	21.28	240	36031	0.40	ng	0.00
34) Perylene-d12	23.50	264	39056	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.34	112	3160	0.15	ng	0.00
5) Phenol-d6	6.90	99	2794	0.10	ng	0.00
8) Nitrobenzene-d5	8.86	82	8423	0.51	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	16999	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	2473	0.40	ng	0.00
15) 2-Fluorobiphenyl	12.97	172	26486	0.39	ng	0.00
25) Fluoranthene-d10	19.12	212	43577	0.39	ng	0.00
29) Terphenyl-d14	19.73	244	48422	0.52	ng	0.00

Target Compounds

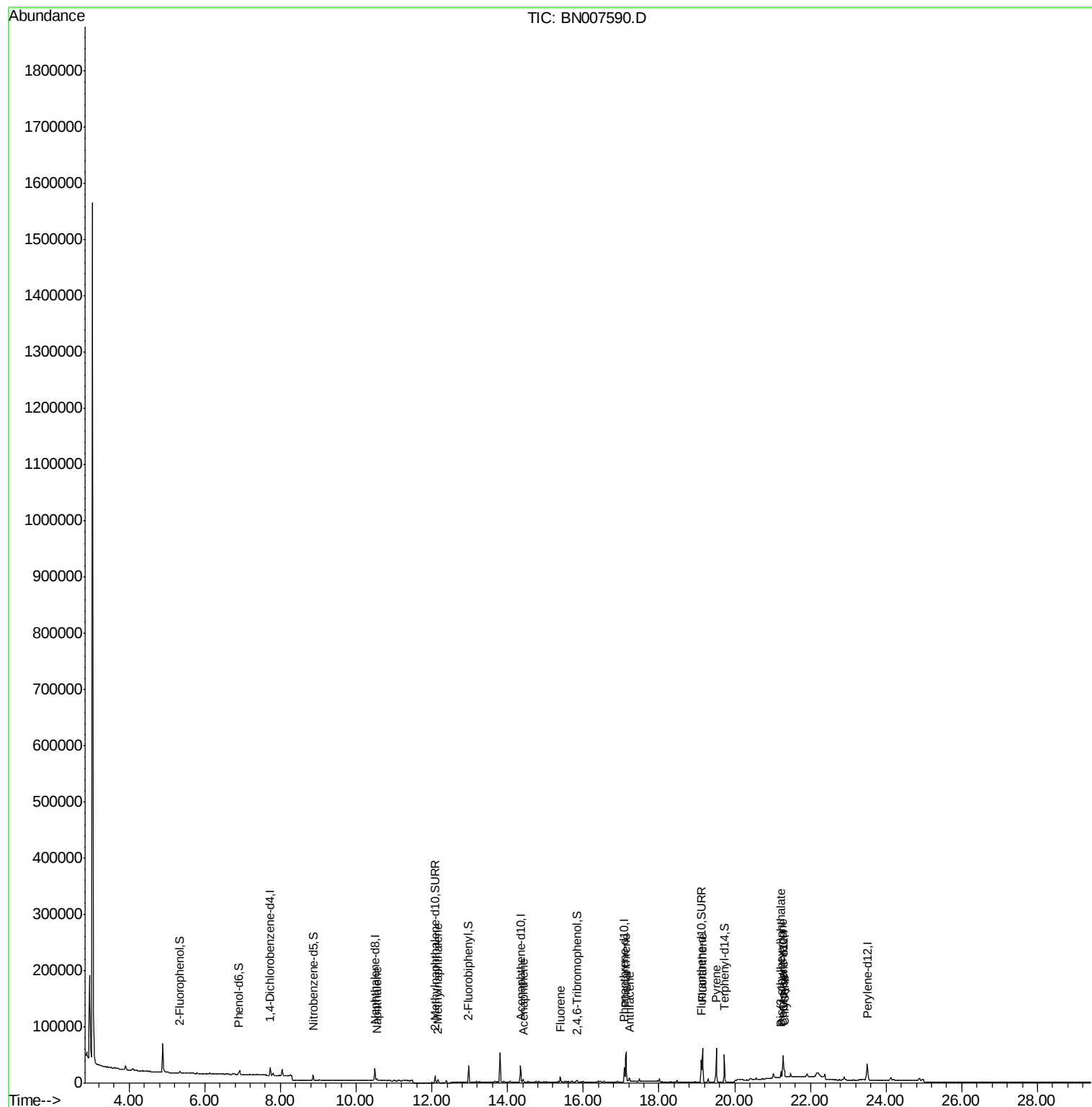
						Qvalue
9) Naphthalene	10.54	128	5383	0.071	ng	# 95
12) 2-Methylnaphthalene	12.16	142	4448	0.083	ng	98
17) Acenaphthene	14.41	154	2325	0.042	ng	93
18) Fluorene	15.39	166	5321	0.073	ng	98
23) Phenanthrene	17.13	178	55996	0.529	ng	100
24) Anthracene	17.22	178	7747	0.079	ng	# 92
26) Fluoranthene	19.15	202	52095	0.405	ng	99
28) Pyrene	19.51	202	52385	0.405	ng	97
30) Benzo(a)anthracene	21.26	228	6881	0.053	ng	94
31) Chrysene	21.31	228	10045	0.077	ng	96
32) Bis(2-ethylhexyl)phthalate	21.23	149	12408	0.281	ng	99

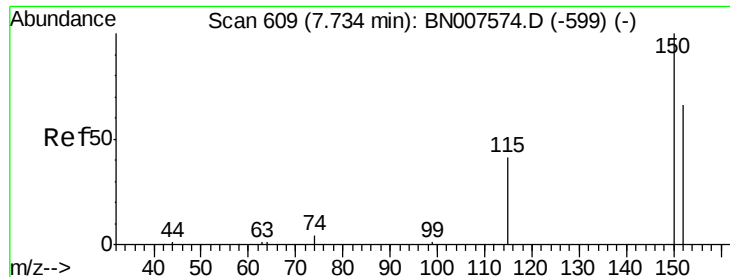
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BN007590.D

Acq: 11 Sep 2019 16:28

Instrument :

BNA_N

ClientSampleId :

GW507-K2-35.0-40.0-090419

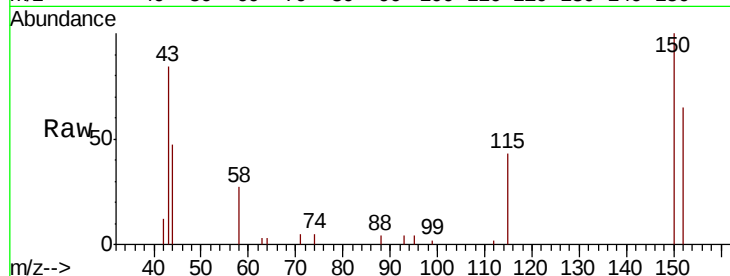
Tot Ion:152 Resp: 6753

Ion Ratio Lower Upper

152 100

150 154.1 119.5 179.3

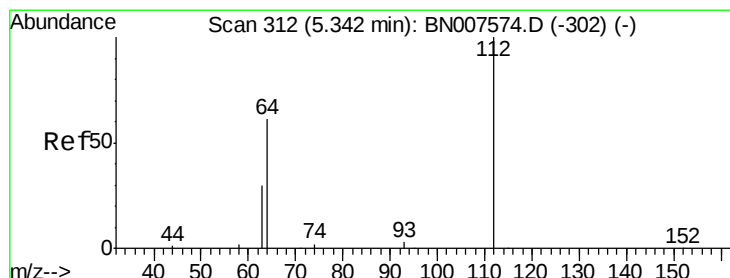
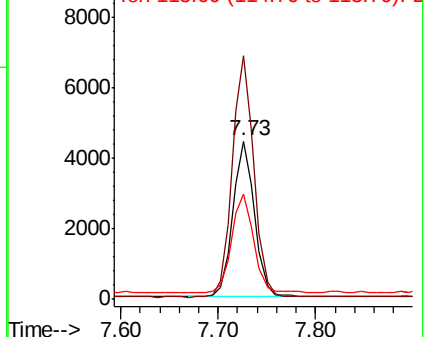
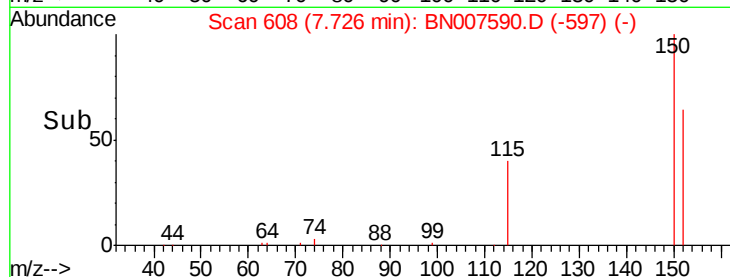
115 66.3 53.0 79.6



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: 0.154 ng

RT: 5.34 min Scan# 312

Delta R.T. 0.00 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

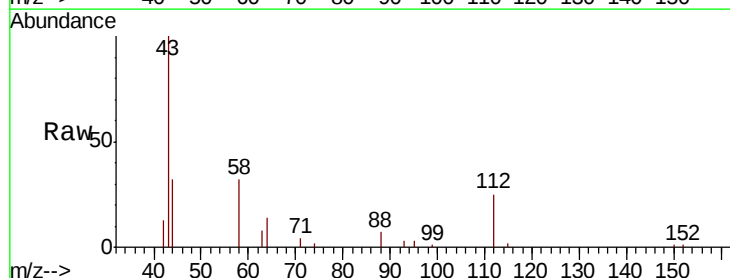
Tgt Ion:112 Resp: 3160

Ion Ratio Lower Upper

112 100

64 59.7 49.2 73.8

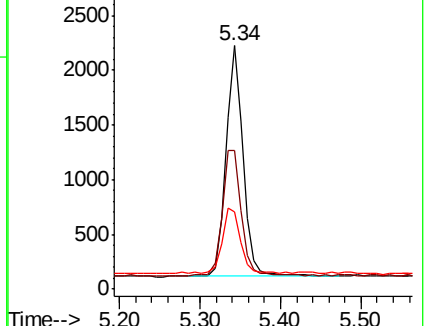
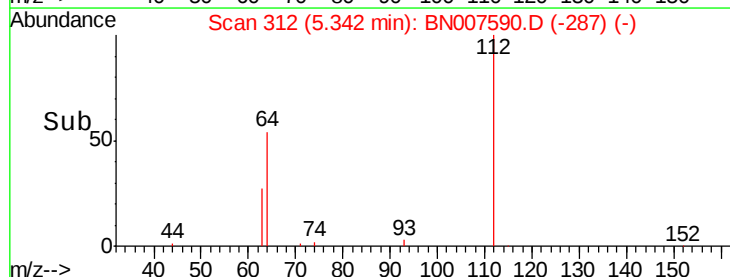
63 29.2 26.0 39.0

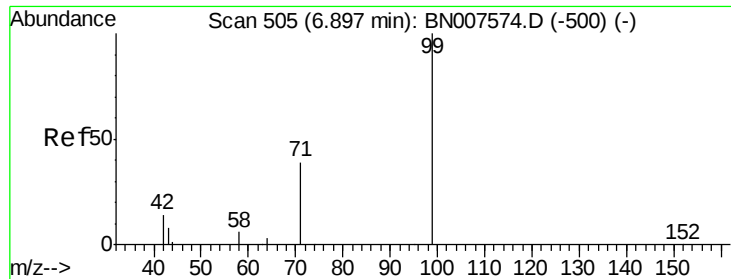


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.099 ng

RT: 6.90 min Scan# 505

Delta R.T. 0.00 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

Instrument :

BNA_N

ClientSampleId :

GW507-K2-35.0-40.0-090419

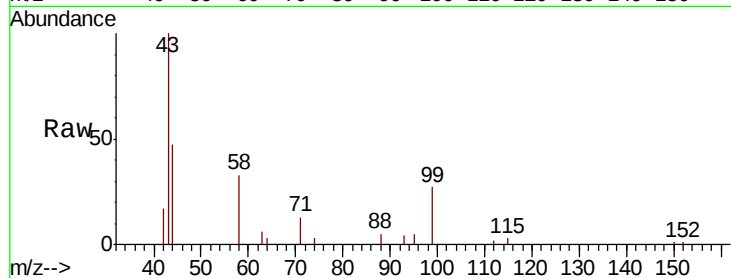
Tot Ion: 99 Resp: 2794

Ion Ratio Lower Upper

99 100

42 39.9 11.8 17.8#

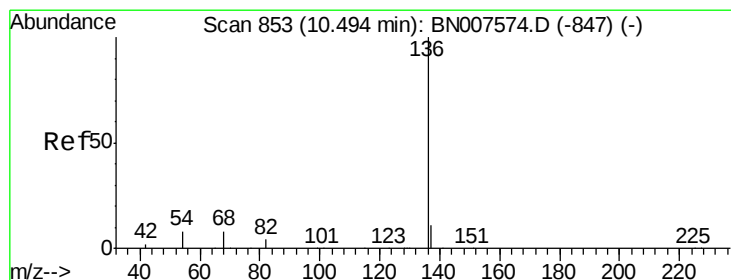
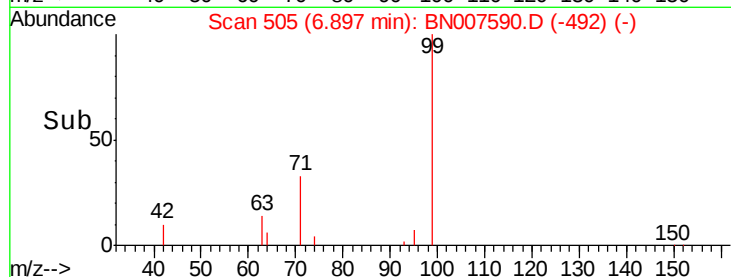
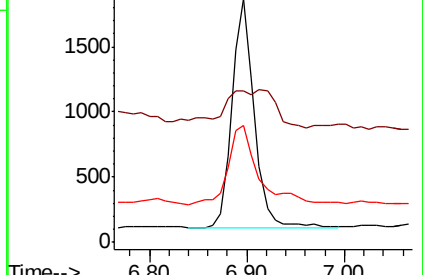
71 45.4 28.8 43.2#



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: BN007590.D

Acq: 11 Sep 2019 16:28

Tgt Ion: 136 Resp: 27090

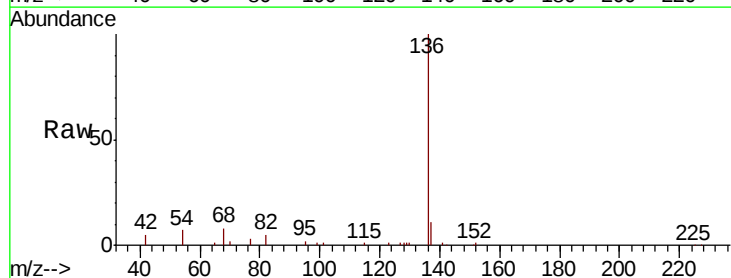
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.8 7.5 11.3#

68 7.9 7.9 11.9#

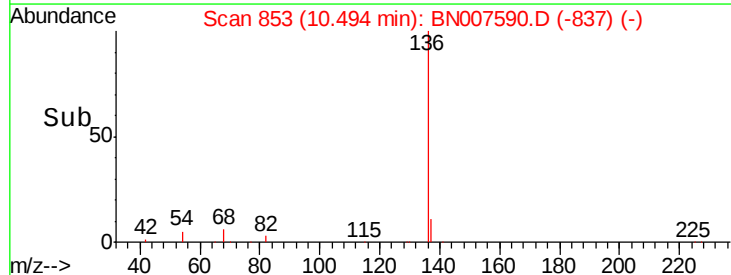
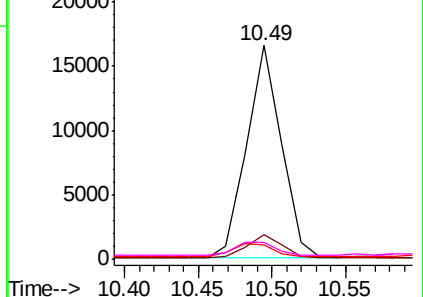


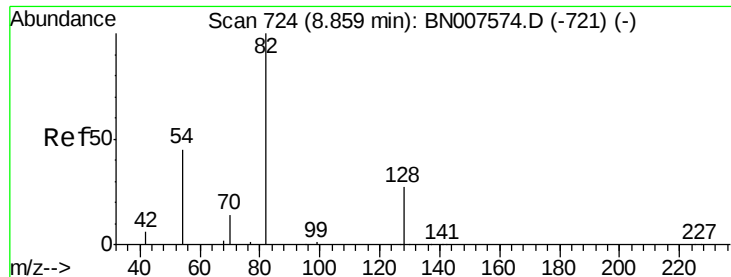
Abundance Ion 136.00 (135.70 to 136.70): BN007574.D (-847) (-)

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: 0.510 ng

RT: 8.86 min Scan# 724

Delta R.T. 0.00 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

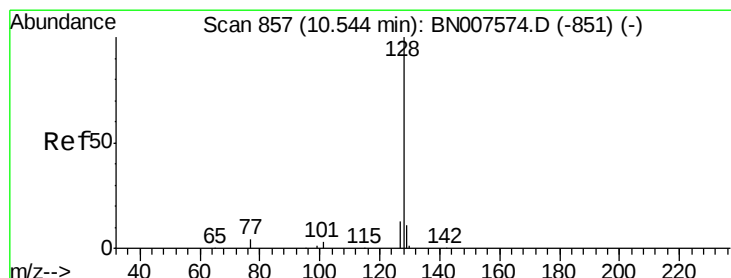
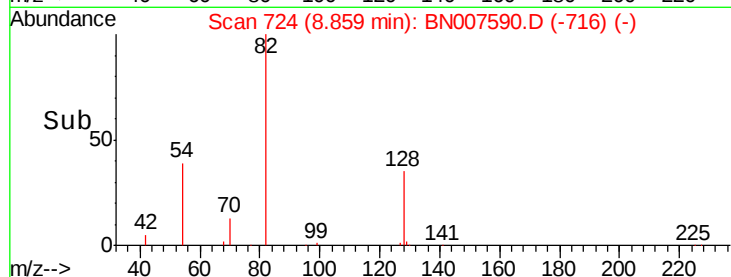
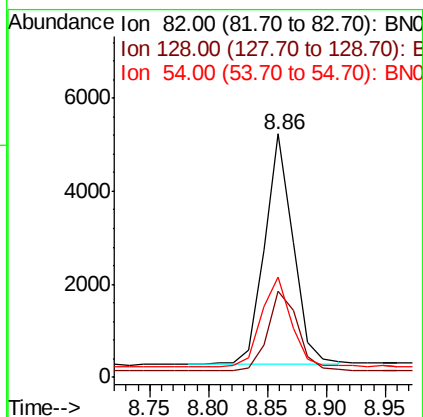
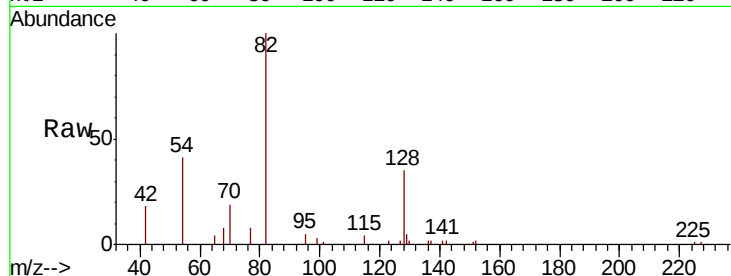
Instrument :

BNA_N

ClientSampleId :

GW507-K2-35.0-40.0-090419

Tot Ion:	82	Resp:	8423
Ion	Ratio	Lower	Upper
82	100		
128	35.4	23.4	35.2#
54	41.1	38.2	57.2



#9

Naphthalene

Concen: 0.071 ng

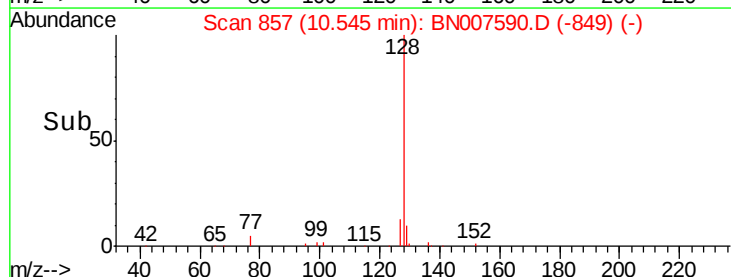
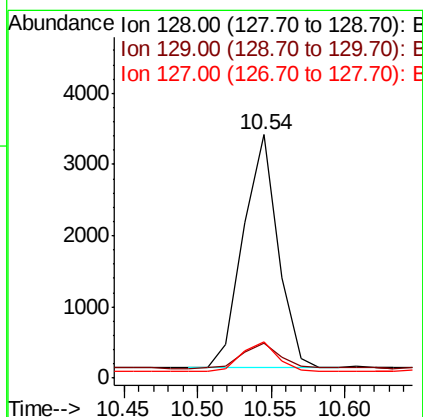
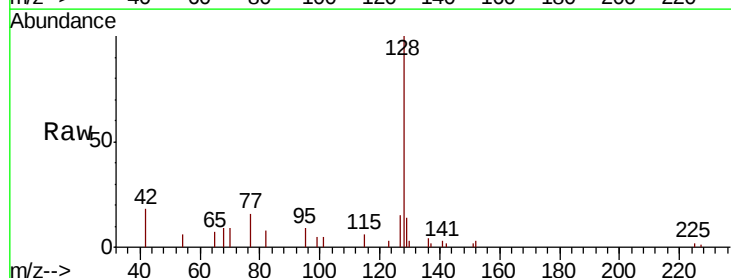
RT: 10.54 min Scan# 857

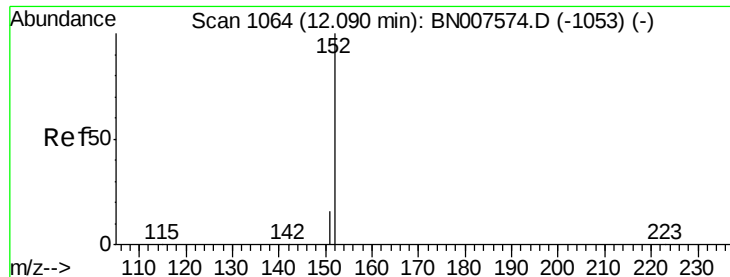
Delta R.T. 0.00 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

Tgt Ion:	128	Resp:	5383
Ion	Ratio	Lower	Upper
128	100		
129	14.2	9.3	13.9#
127	15.0	11.0	16.4

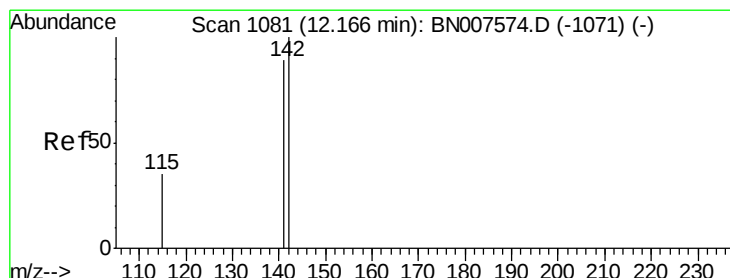
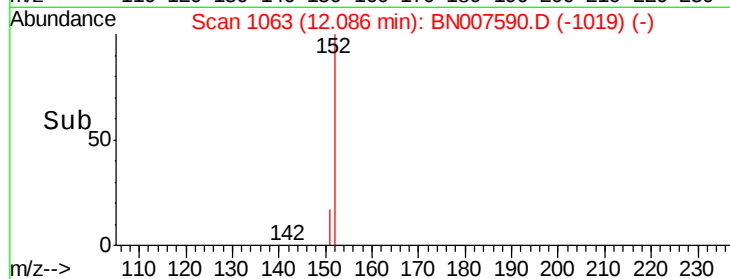
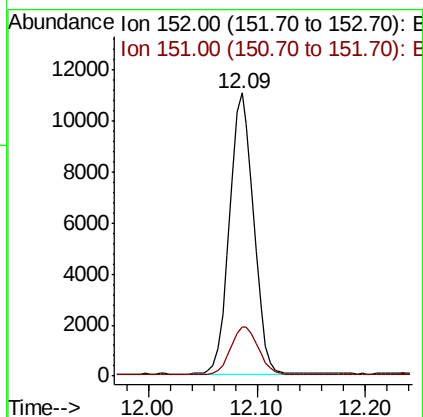
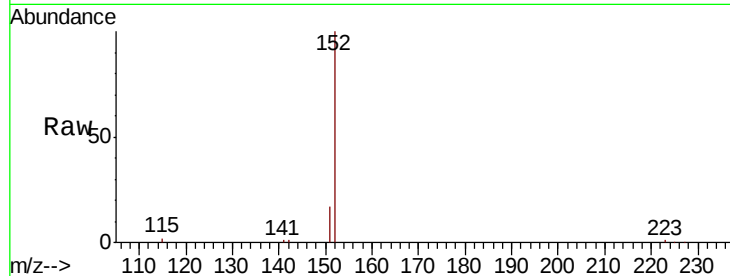




#11
 2-Methylnaphthalene-d10
 Concen: 0.364 ng
 RT: 12.09 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BN007590.D
 Acq: 11 Sep 2019 16:28

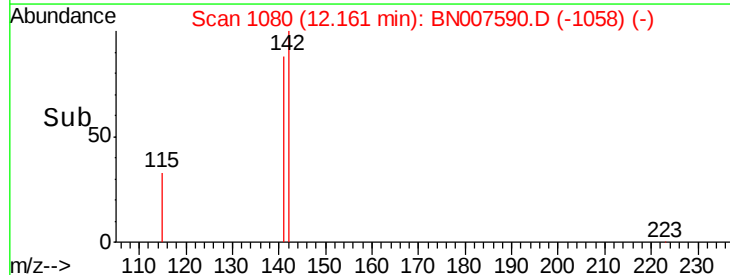
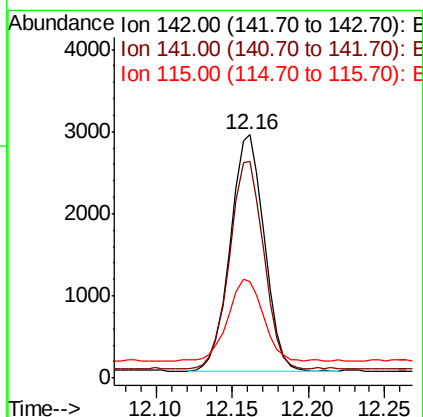
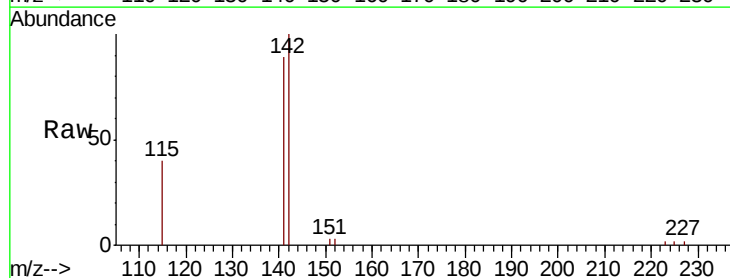
Instrument :
 BNA_N
 ClientSampleId :
 GW507-K2-35.0-40.0-090419

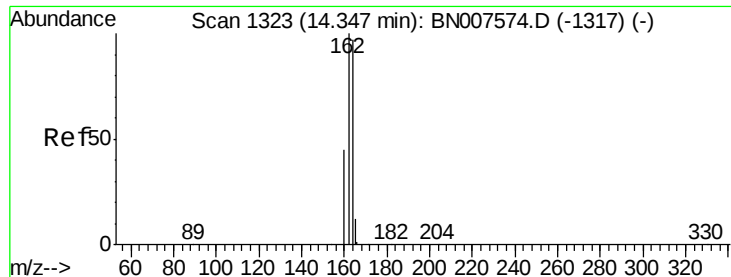
Tot Ion:152 Resp: 16999
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.3 22.9



#12
 2-Methylnaphthalene
 Concen: 0.083 ng
 RT: 12.16 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: BN007590.D
 Acq: 11 Sep 2019 16:28

Tgt Ion:142 Resp: 4448
 Ion Ratio Lower Upper
 142 100
 141 89.0 71.0 106.6
 115 39.7 29.1 43.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

Instrument :

BNA_N

ClientSampleId :

GW507-K2-35.0-40.0-090419

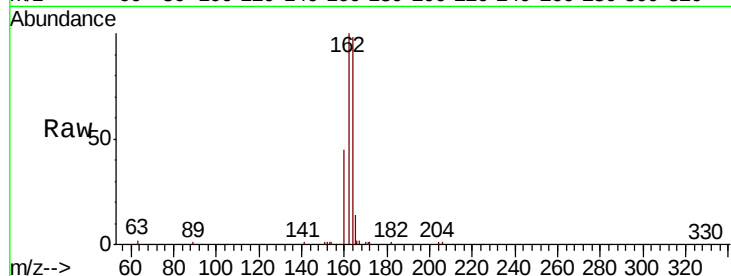
Tot Ion:164 Resp: 16289

Ion Ratio Lower Upper

164 100

162 101.8 82.2 123.2

160 45.6 37.4 56.0

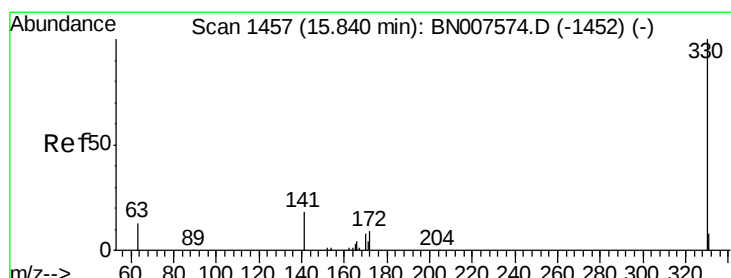
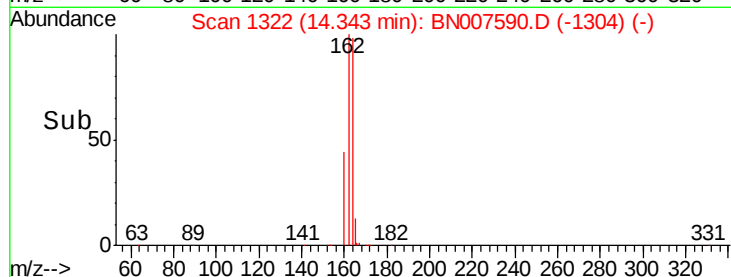
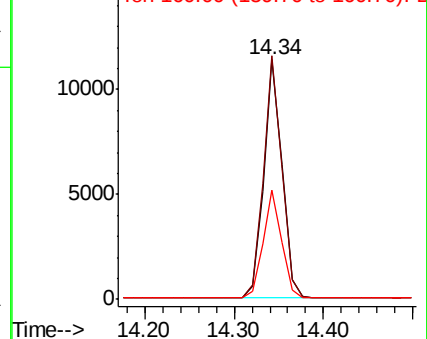


Abundance

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: 0.400 ng

RT: 15.84 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

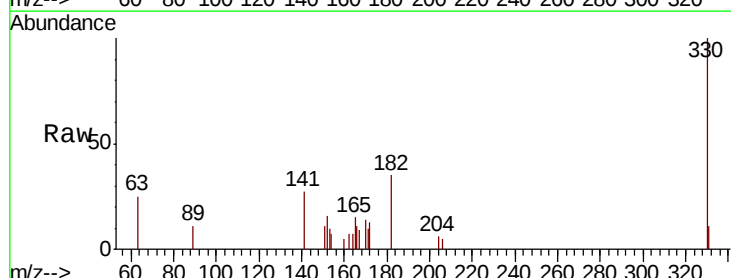
Tgt Ion:330 Resp: 2473

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 38.0 30.6 45.8

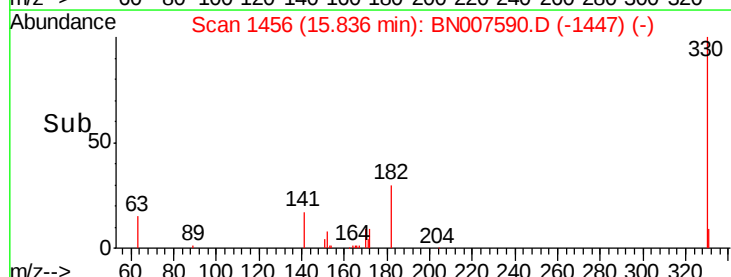
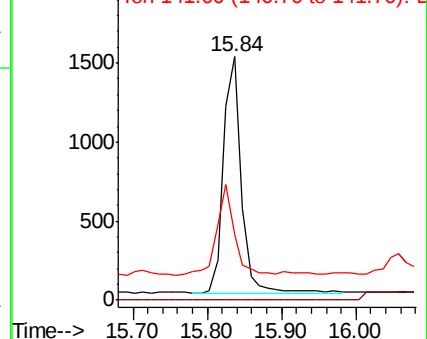


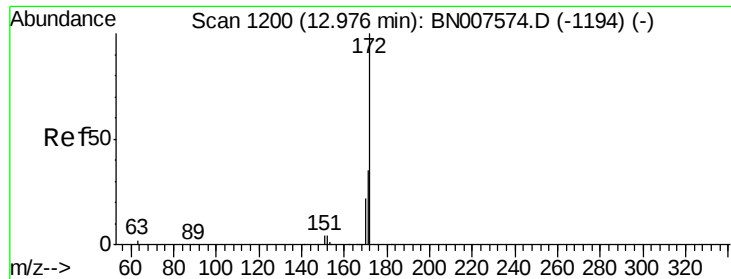
Abundance

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

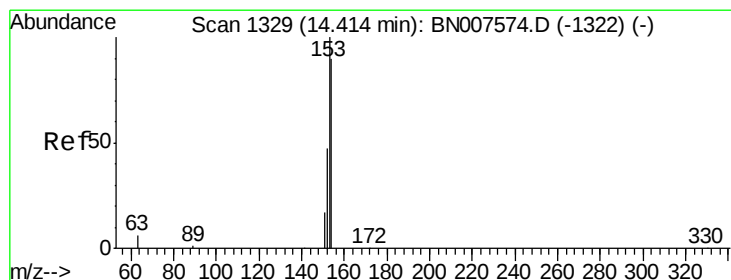
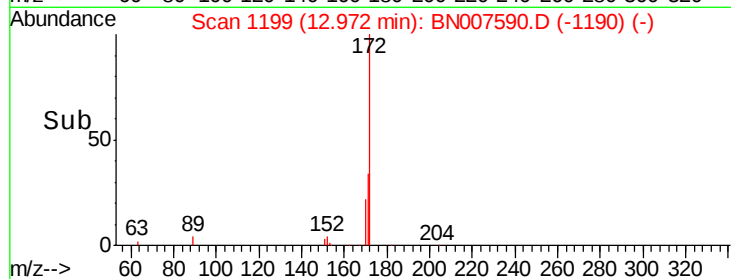
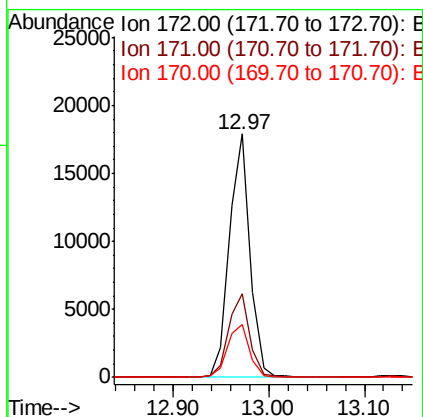
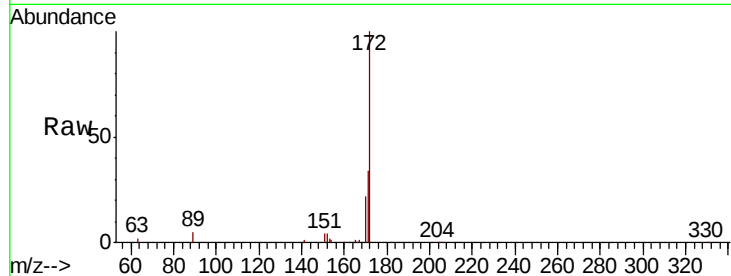




#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 12.97 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BN007590.D
Acq: 11 Sep 2019 16:28

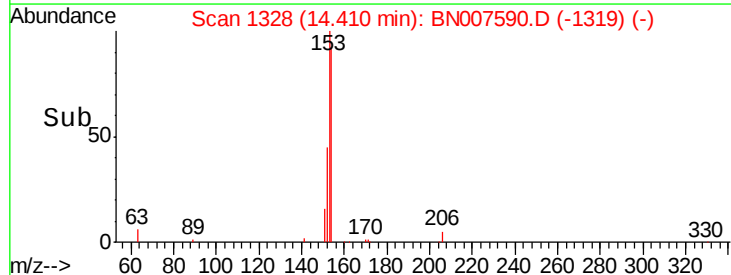
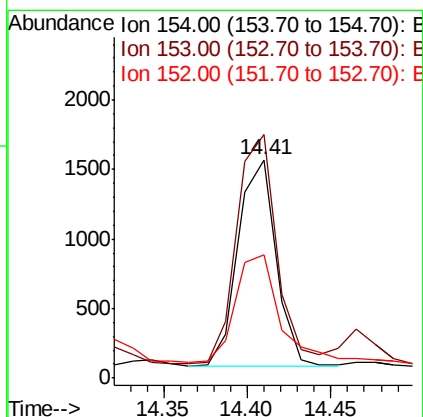
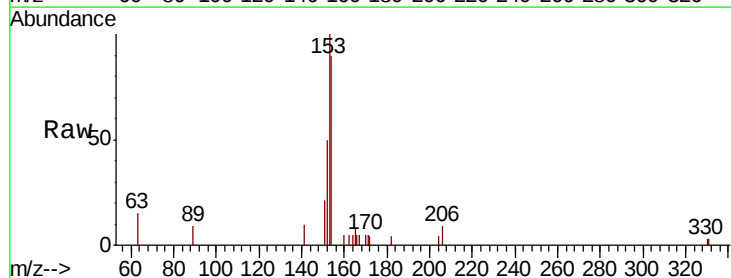
Instrument :
BNA_N
ClientSampleId :
GW507-K2-35.0-40.0-090419

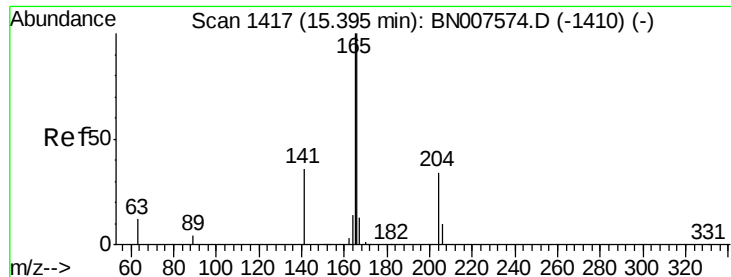
Tot Ion:172 Resp: 26486
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 22.0 18.3 27.5



#17
Acenaphthene
Concen: 0.042 ng
RT: 14.41 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BN007590.D
Acq: 11 Sep 2019 16:28

Tgt Ion:154 Resp: 2325
Ion Ratio Lower Upper
154 100
153 117.9 89.4 134.2
152 62.0 43.4 65.0





#18

Fluorene

Concen: 0.073 ng

RT: 15.39 min Scan# 1416

Delta R.T. -0.00 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

Instrument :

BNA_N

ClientSampleId :

GW507-K2-35.0-40.0-090419

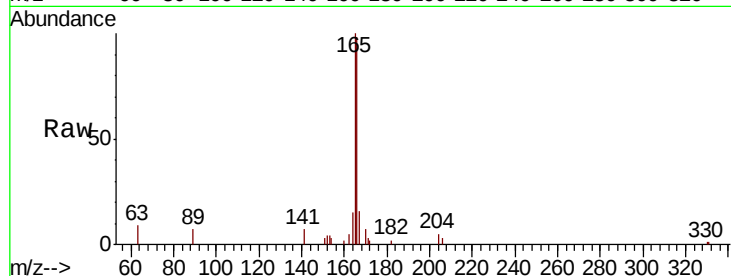
Tot Ion:166 Resp: 5321

Ion Ratio Lower Upper

166 100

165 99.3 77.8 116.6

167 15.1 11.0 16.4

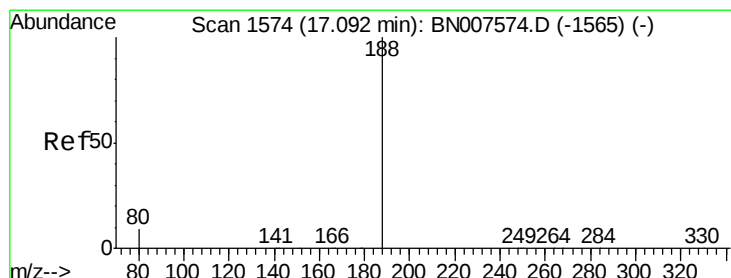
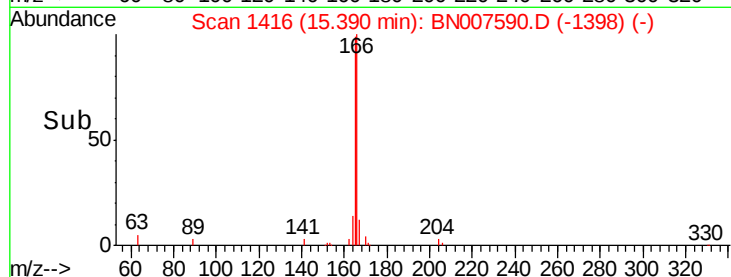
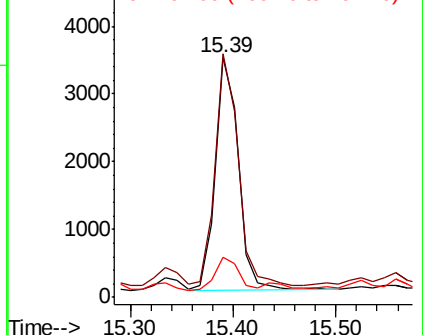


Abundance

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# 1573

Delta R.T. -0.00 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

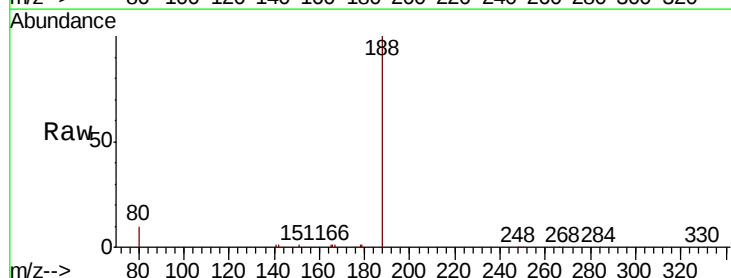
Tgt Ion:188 Resp: 34326

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.7 8.1 12.1

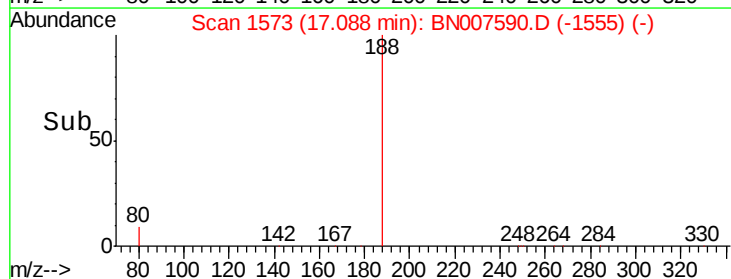
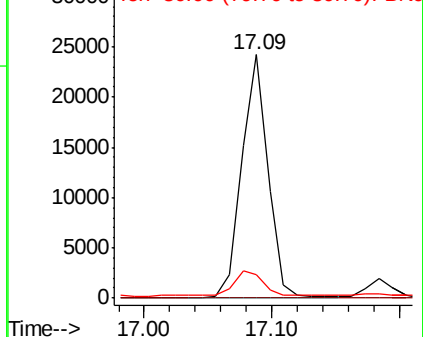


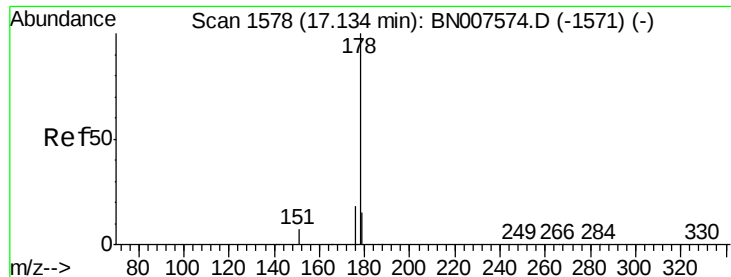
Abundance

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: 0.529 ng

RT: 17.13 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

Instrument :

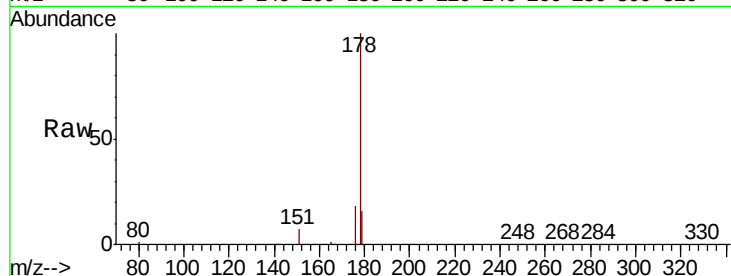
BNA_N

ClientSampleId :

GW507-K2-35.0-40.0-090419

Tot Ion:178 Resp: 55996

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.4	12.2	18.2

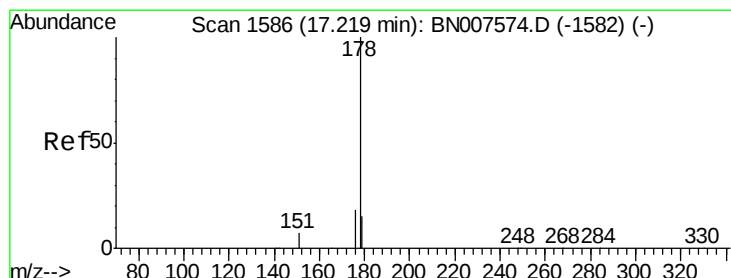
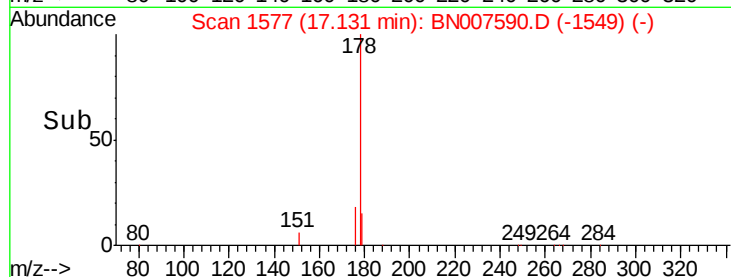
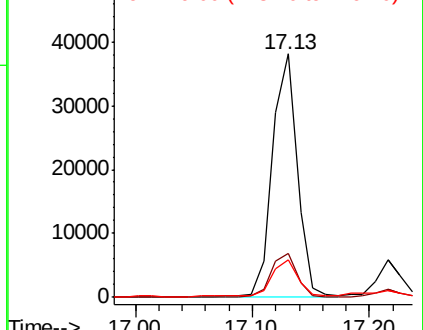


Abundance

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: 0.079 ng

RT: 17.22 min Scan# 1585

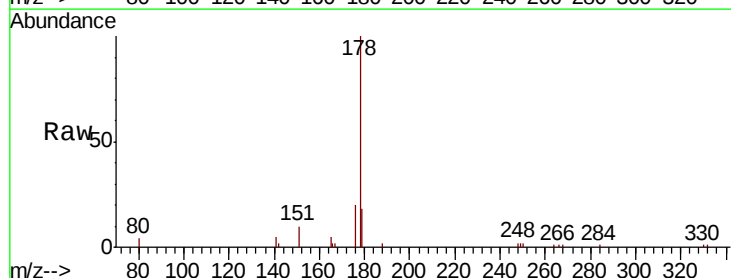
Delta R.T. -0.00 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

Tgt Ion:178 Resp: 7747

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.4	21.6
179	22.5	12.5	18.7#

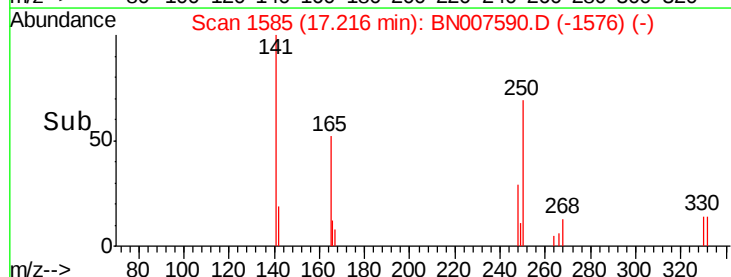
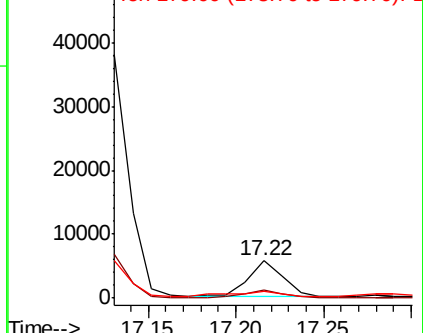


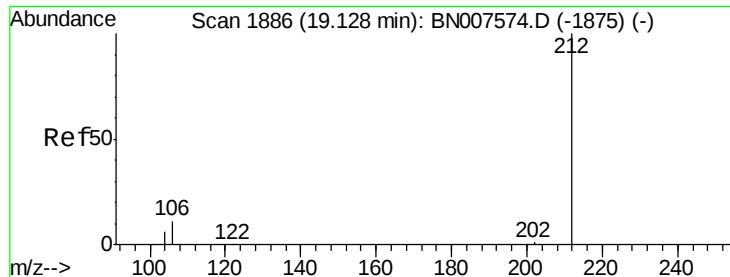
Abundance

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: 0.391 ng

RT: 19.12 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

Instrument :

BNA_N

ClientSampleId :

GW507-K2-35.0-40.0-090419

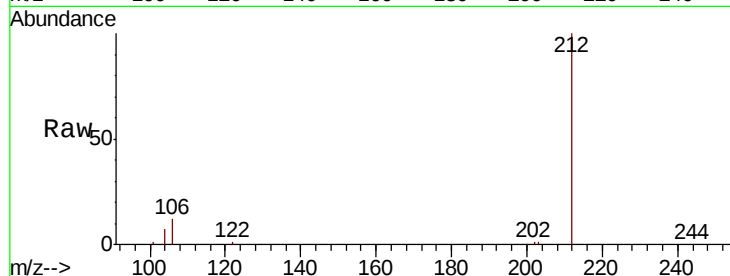
Tot Ion:212 Resp: 43577

Ion Ratio Lower Upper

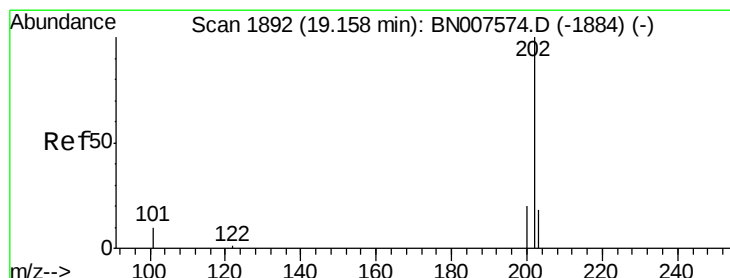
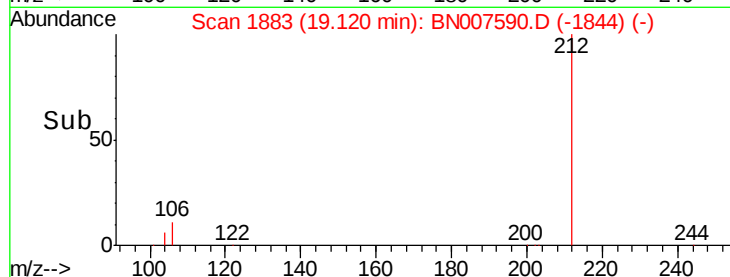
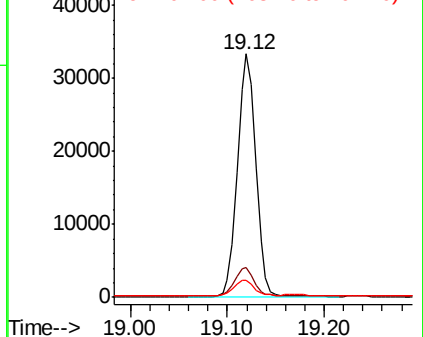
212 100

106 12.4 9.7 14.5

104 6.9 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: 0.405 ng

RT: 19.15 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

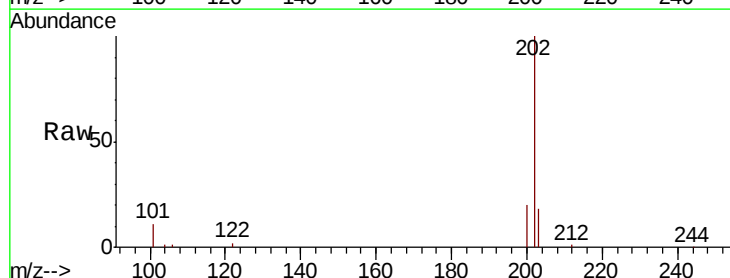
Tgt Ion:202 Resp: 52095

Ion Ratio Lower Upper

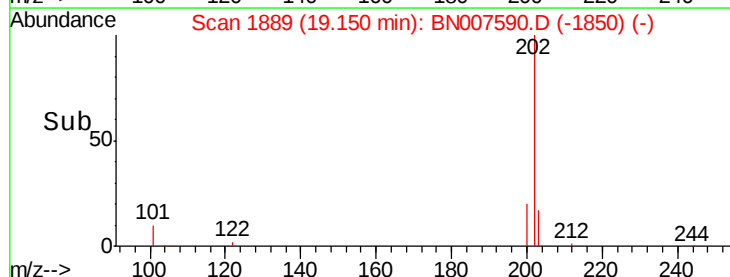
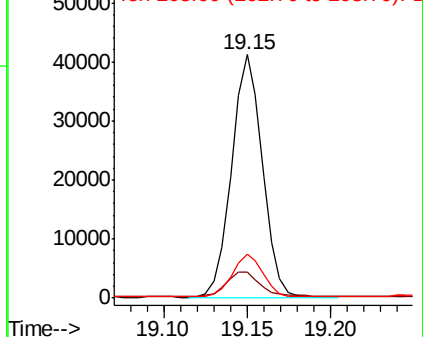
202 100

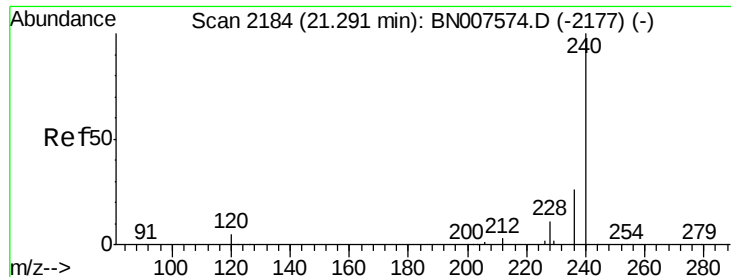
101 12.0 8.8 13.2

203 17.4 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# 2182

Delta R.T. -0.01 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

Instrument :

BNA_N

ClientSampleId :

GW507-K2-35.0-40.0-090419

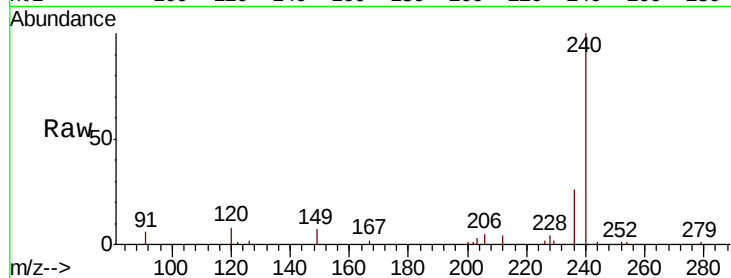
Tot Ion:240 Resp: 36031

Ion Ratio Lower Upper

240 100

120 8.3 5.0 7.4#

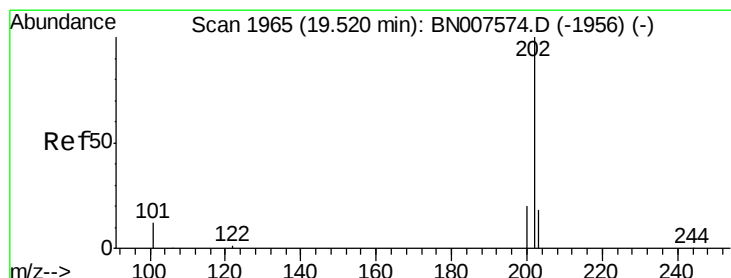
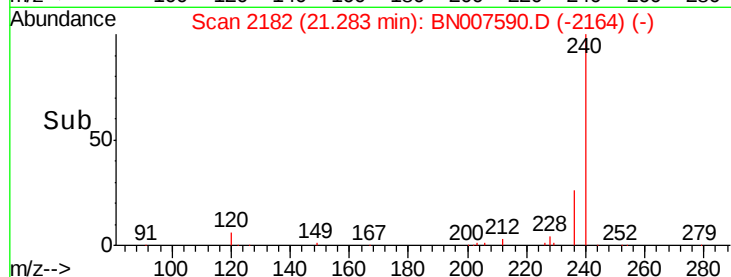
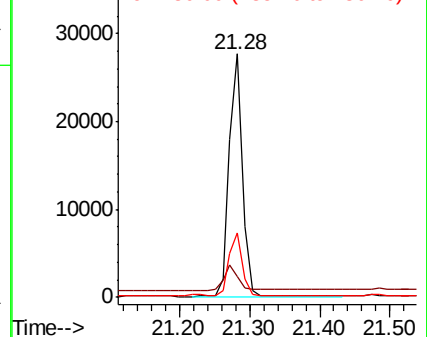
236 26.3 20.6 31.0



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: 0.405 ng

RT: 19.51 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

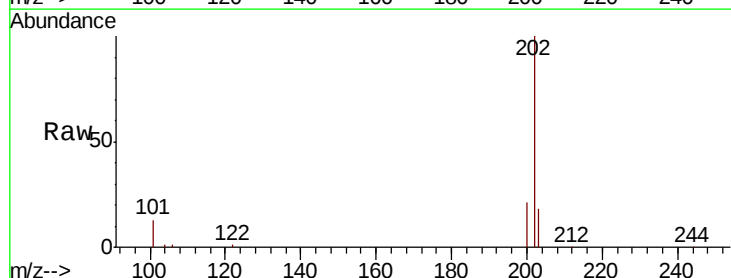
Tgt Ion:202 Resp: 52385

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

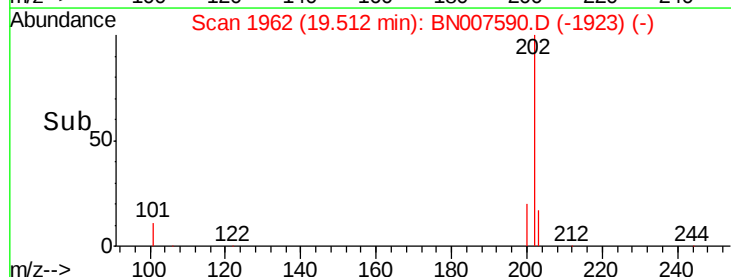
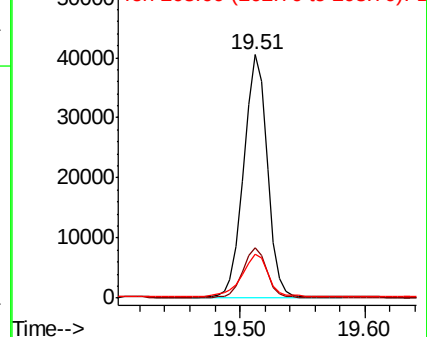
203 19.9 14.1 21.1

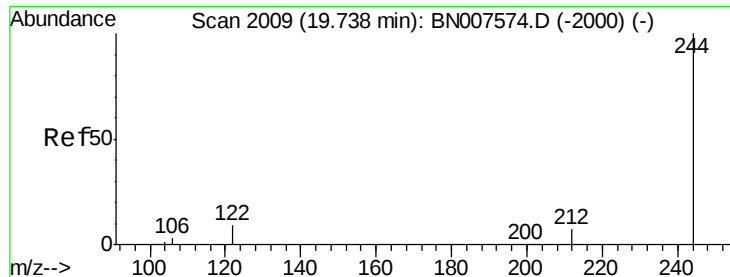


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.517 ng

RT: 19.73 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

Instrument :

BNA_N

ClientSampleId :

GW507-K2-35.0-40.0-090419

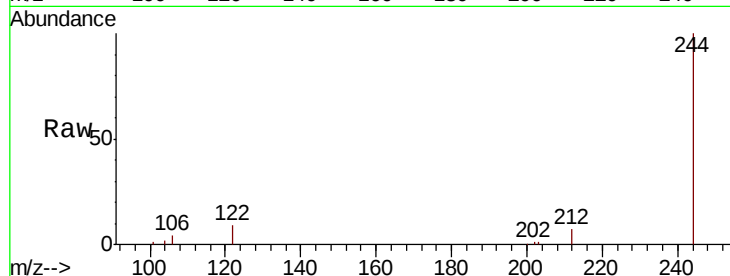
Tot Ion:244 Resp: 48422

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

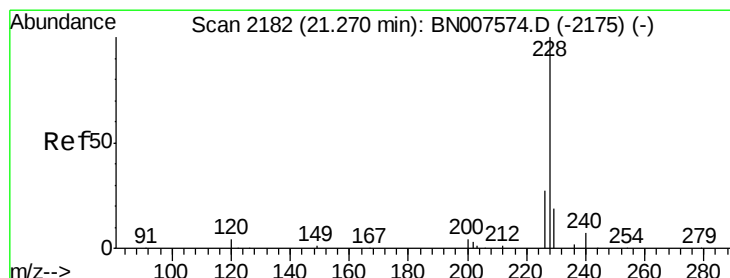
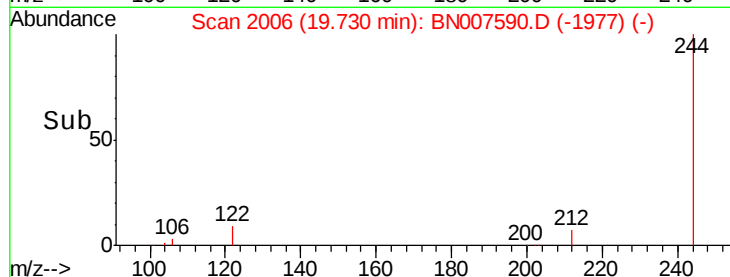
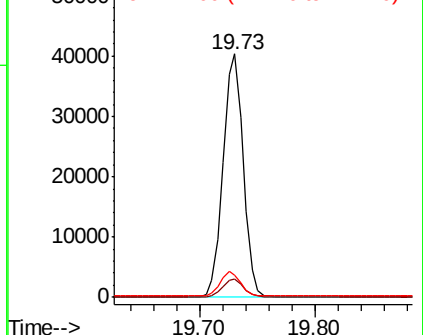
122 9.2 7.8 11.6



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



#30

Benzo(a)anthracene

Concen: 0.053 ng

RT: 21.26 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

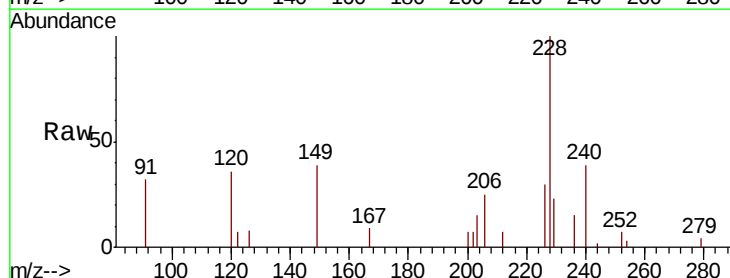
Tgt Ion:228 Resp: 6881

Ion Ratio Lower Upper

228 100

226 30.0 21.6 32.4

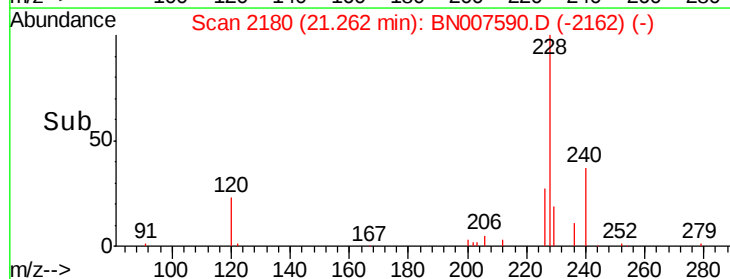
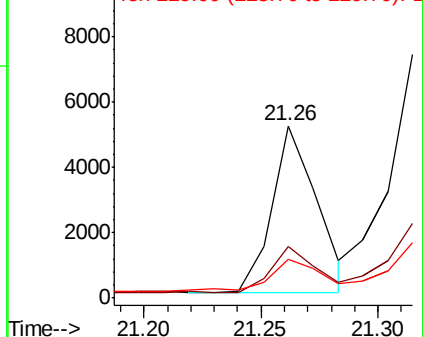
229 22.8 15.7 23.5

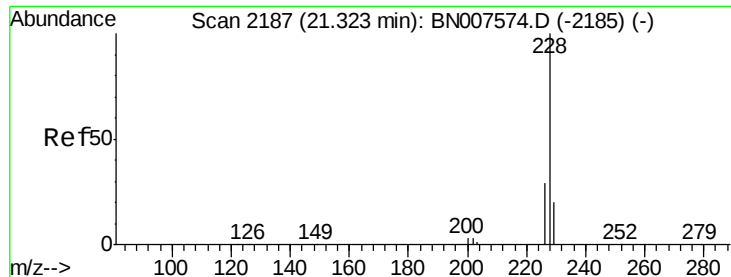


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.077 ng

RT: 21.31 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

Instrument :

BNA_N

ClientSampleId :

GW507-K2-35.0-40.0-090419

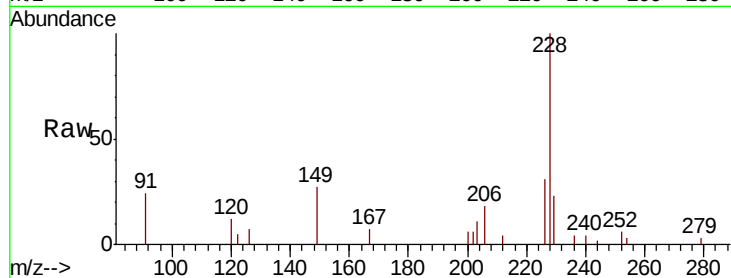
Tot Ion:228 Resp: 10045

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.2

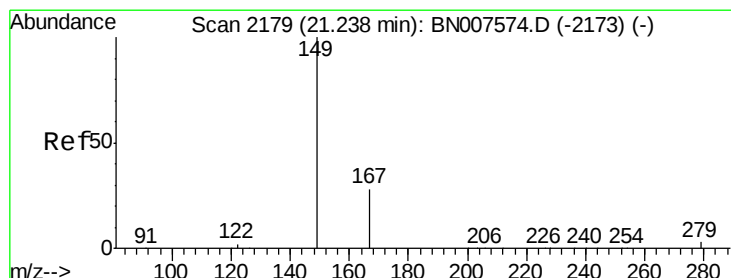
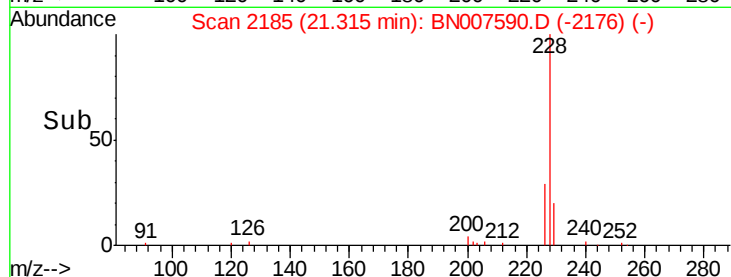
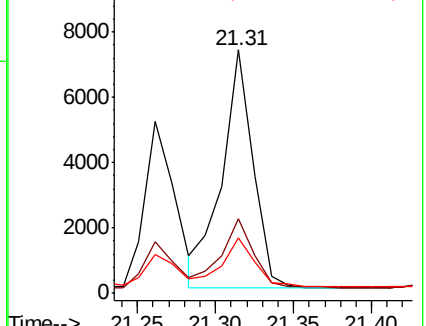
229 22.6 15.7 23.5



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.281 ng

RT: 21.23 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

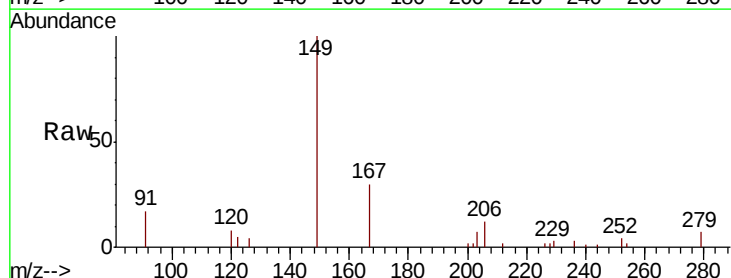
Tgt Ion:149 Resp: 12408

Ion Ratio Lower Upper

149 100

167 28.2 22.1 33.1

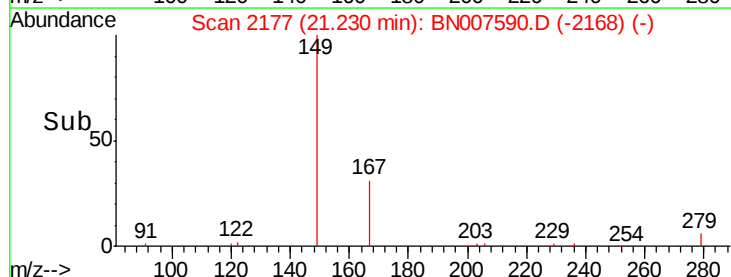
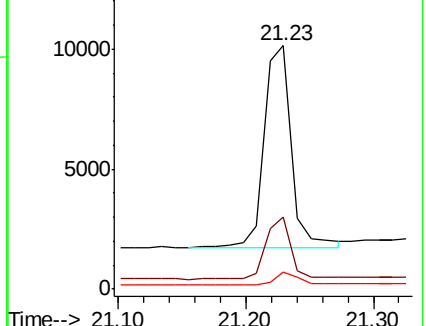
279 5.5 3.9 5.9

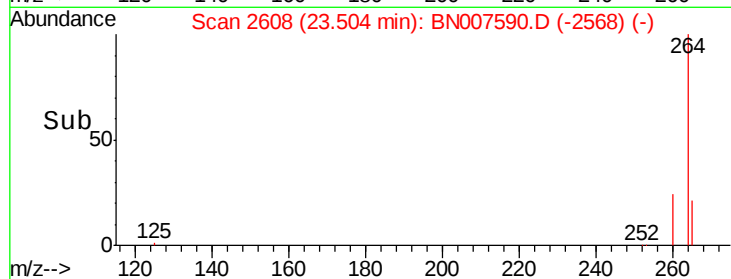
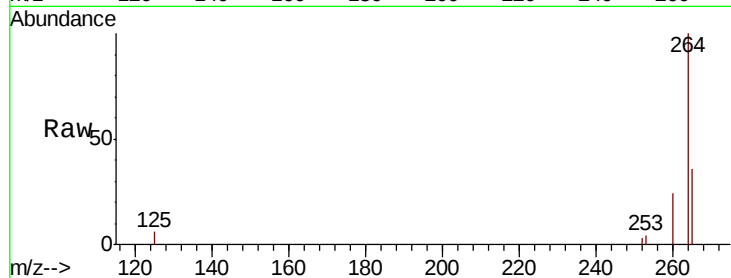
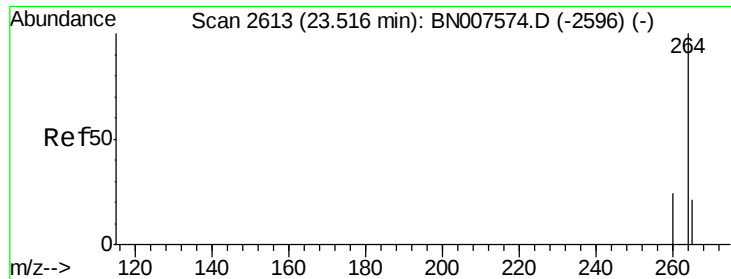


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.50 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

Instrument :

BNA_N

ClientSampleId :

GW507-K2-35.0-40.0-090419

Tot Ion:264 Resp: 39056

Ion Ratio Lower Upper

264 100

260 24.2 19.3 28.9

265 35.9 25.6 38.4

