

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091019\
 Data File : BN007581.D
 Acq On : 10 Sep 2019 18:02
 Operator : HP/JU
 Sample : K4781-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GW801-20.0-25.0-090719

Quant Time: Sep 10 18:35:51 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	5253	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	22212	0.40	ng	0.00
13) Acenaphthene-d10	14.35	164	13126	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	31705	0.40	ng	0.00
27) Chrysene-d12	21.28	240	33041	0.40	ng	-0.01
34) Perylene-d12	23.51	264	36362	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.34	112	2945	0.18	ng	0.00
5) Phenol-d6	6.90	99	2699	0.12	ng	0.00
8) Nitrobenzene-d5	8.86	82	6269	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	14383	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.83	330	2100	0.42	ng	-0.01
15) 2-Fluorobiphenyl	12.98	172	22619	0.42	ng	0.00
25) Fluoranthene-d10	19.12	212	39674	0.39	ng	0.00
29) Terphenyl-d14	19.73	244	33008	0.38	ng	0.00

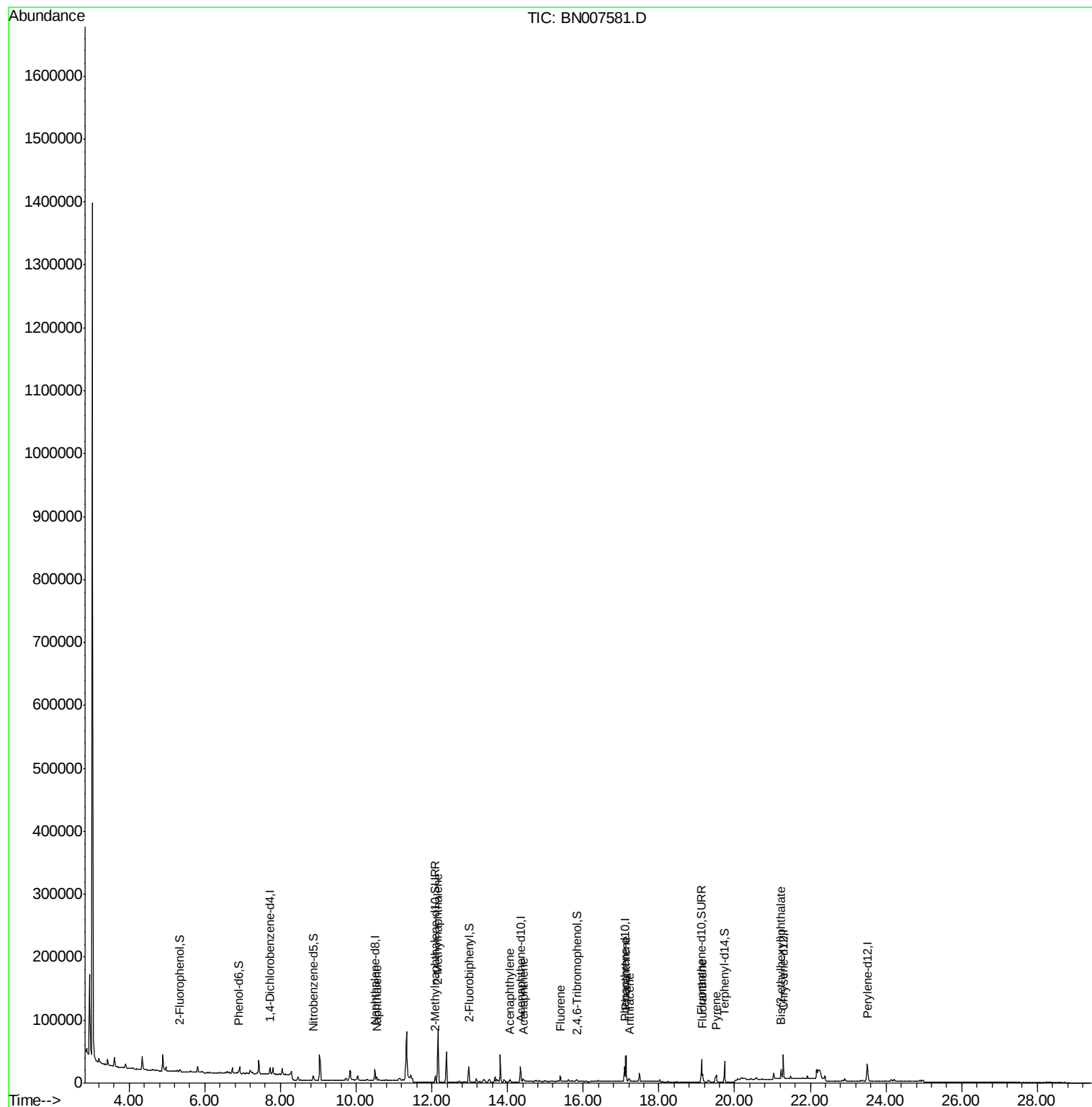
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.54	128	7937	0.127	ng	97
12) 2-Methylnaphthalene	12.16	142	57549	1.314	ng	99
16) Acenaphthylene	14.07	152	1961	0.028	ng	# 72
17) Acenaphthene	14.41	154	2415	0.054	ng	# 82
18) Fluorene	15.39	166	5369	0.092	ng	# 97
23) Phenanthrene	17.13	178	47246	0.483	ng	100
24) Anthracene	17.22	178	4468	0.049	ng	# 80
26) Fluoranthene	19.15	202	11396	0.096	ng	97
28) Pyrene	19.52	202	10821	0.091	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.23	149	13137	0.325	ng	94

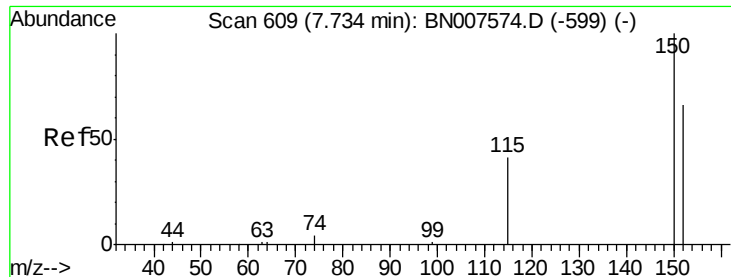
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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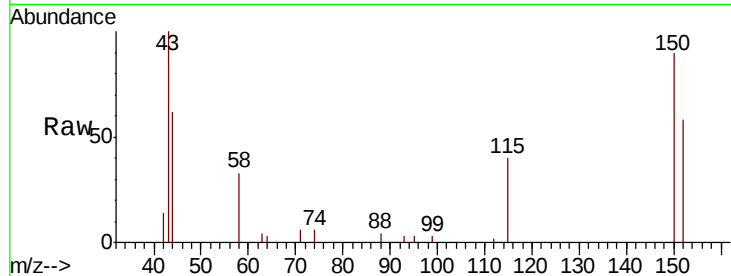


#1

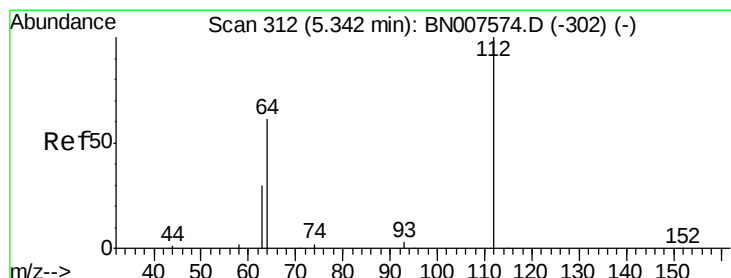
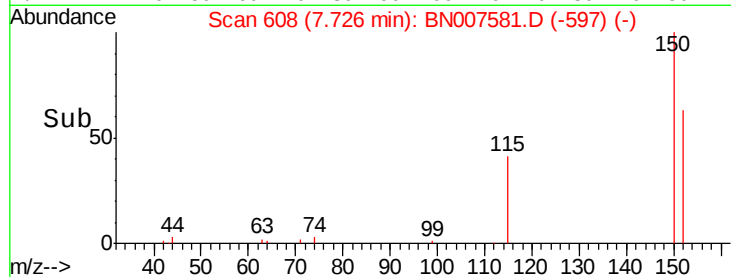
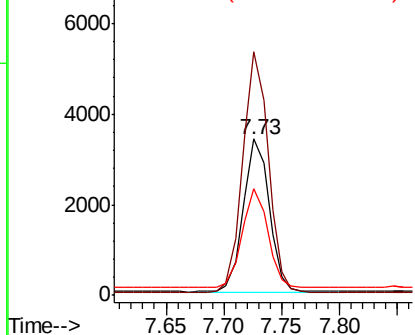
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 608
Delta R.T. -0.01 min
Lab File: BN007581.D
Acq: 10 Sep 2019 18:02

Instrument :
BNA_N
ClientSampleId :
GW801-20.0-25.0-090719

Tot Ion:152 Resp: 5253
Ion Ratio Lower Upper
152 100
150 155.8 119.5 179.3
115 68.3 53.0 79.6



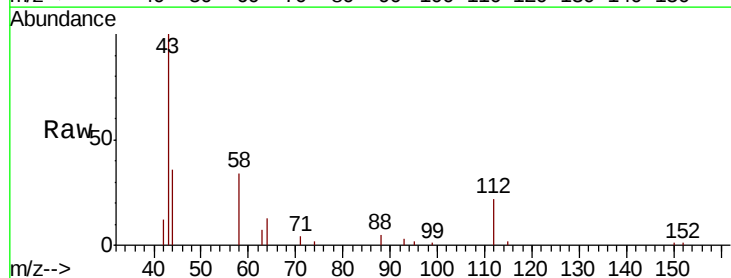
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



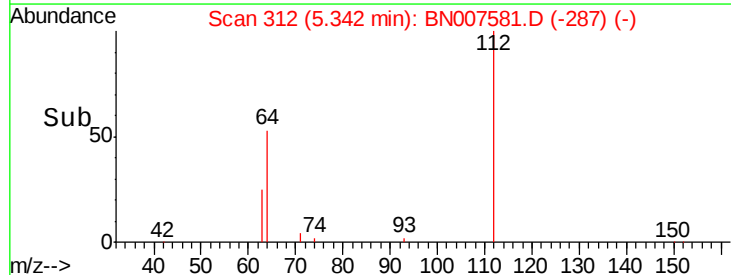
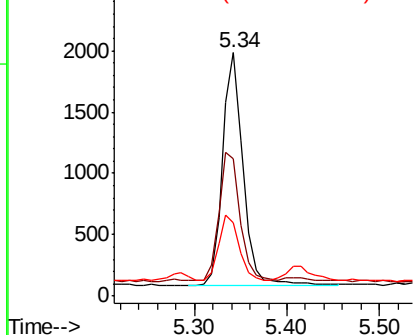
#4

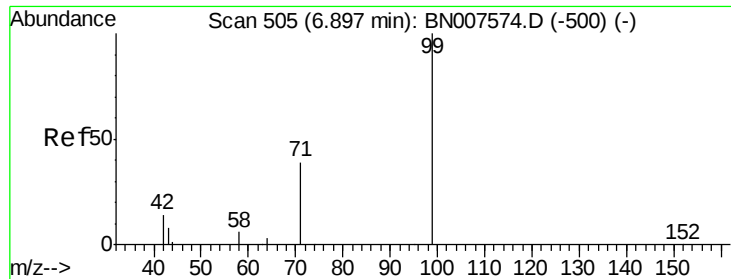
2-Fluorophenol
Concen: 0.184 ng
RT: 5.34 min Scan# 312
Delta R.T. 0.00 min
Lab File: BN007581.D
Acq: 10 Sep 2019 18:02

Tgt Ion:112 Resp: 2945
Ion Ratio Lower Upper
112 100
64 56.2 49.2 73.8
63 28.1 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: BN007581.D

Acq: 10 Sep 2019 18:02

Instrument :

BNA_N

ClientSampleId :

GW801-20.0-25.0-090719

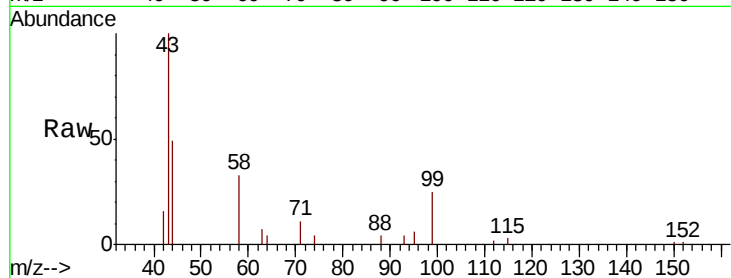
Tot Ion: 99 Resp: 2699

Ion Ratio Lower Upper

99 100

42 0.0 11.8 17.8#

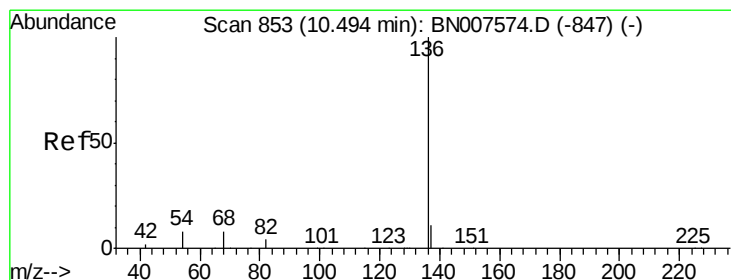
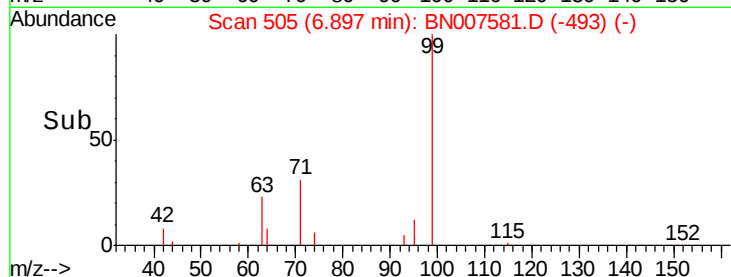
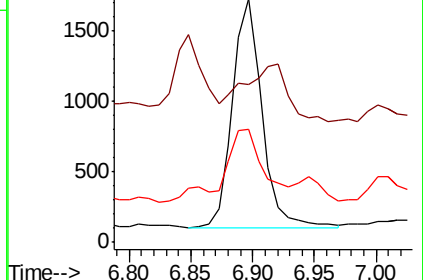
71 42.8 28.8 43.2



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: BN007581.D

Acq: 10 Sep 2019 18:02

Tgt Ion: 136 Resp: 22212

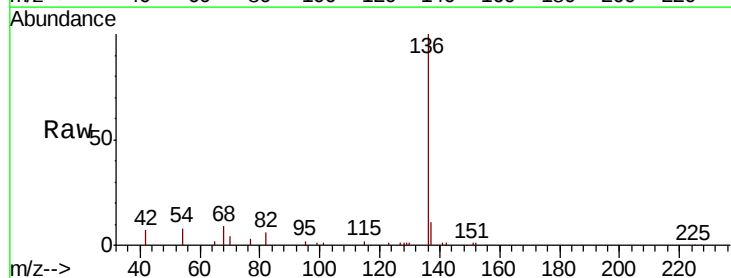
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.2 7.5 11.3

68 9.3 7.9 11.9

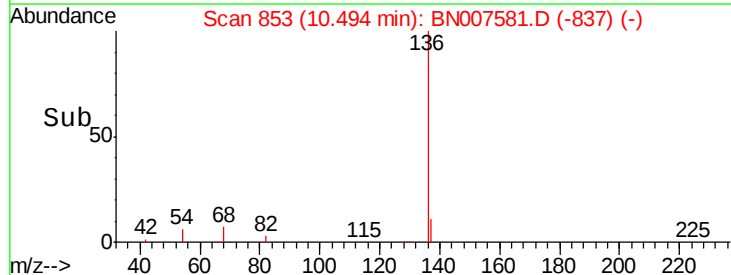
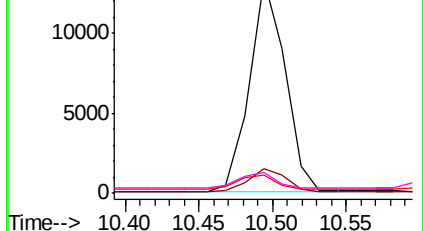


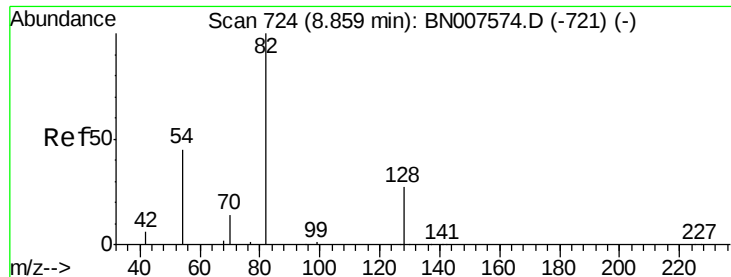
Abundance Ion 136.00 (135.70 to 136.70): BN007574.D (-847) (-)

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: 0.463 ng

RT: 8.86 min Scan# 724

Delta R.T. 0.00 min

Lab File: BN007581.D

Acq: 10 Sep 2019 18:02

Instrument :

BNA_N

ClientSampleId :

GW801-20.0-25.0-090719

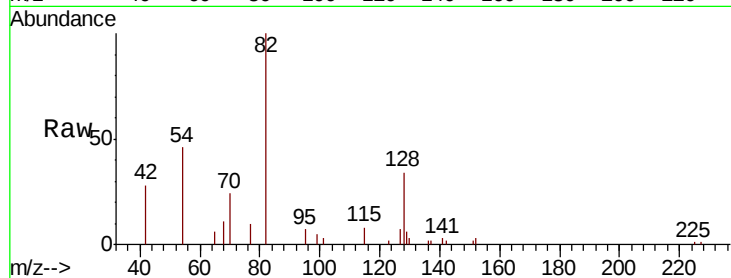
Tot Ion: 82 Resp: 6269

Ion Ratio Lower Upper

82 100

128 33.6 23.4 35.2

54 45.7 38.2 57.2

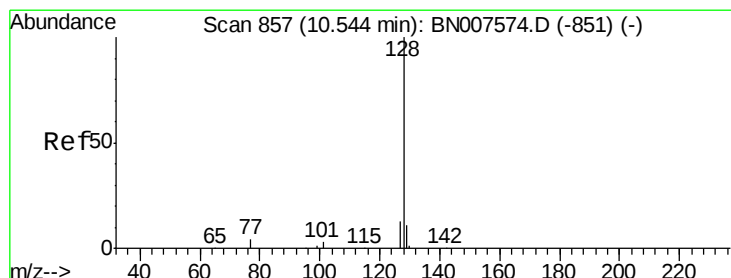
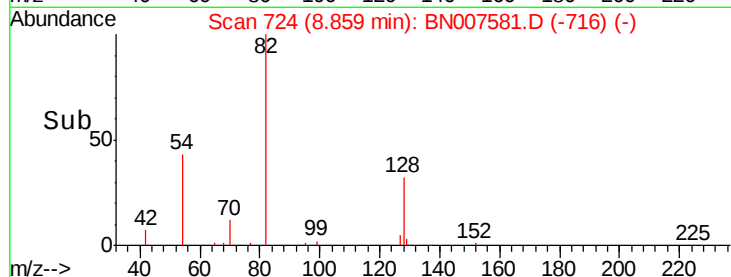
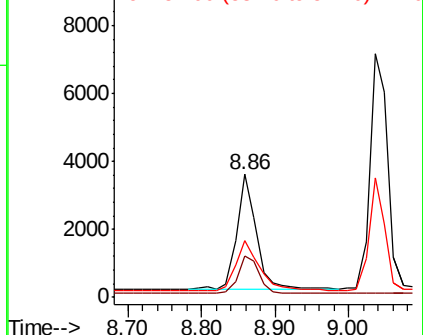


Abundance

Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BN0



#9

Naphthalene

Concen: 0.127 ng

RT: 10.54 min Scan# 857

Delta R.T. 0.00 min

Lab File: BN007581.D

Acq: 10 Sep 2019 18:02

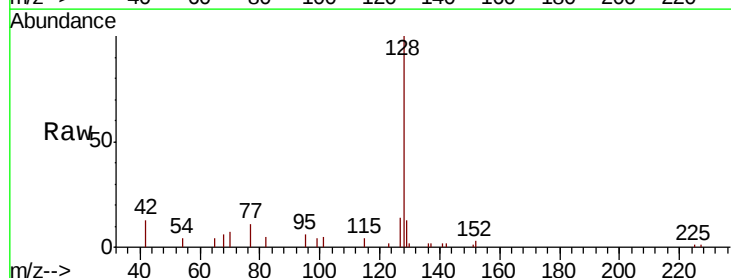
Tgt Ion:128 Resp: 7937

Ion Ratio Lower Upper

128 100

129 13.3 9.3 13.9

127 14.2 11.0 16.4

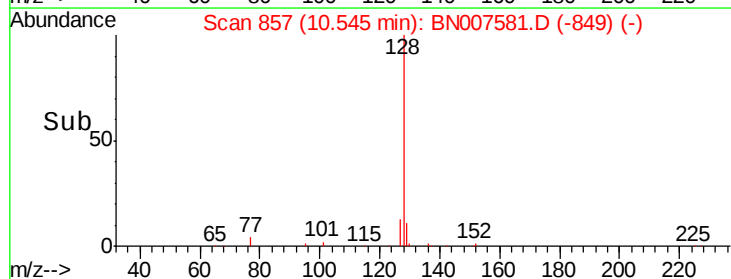
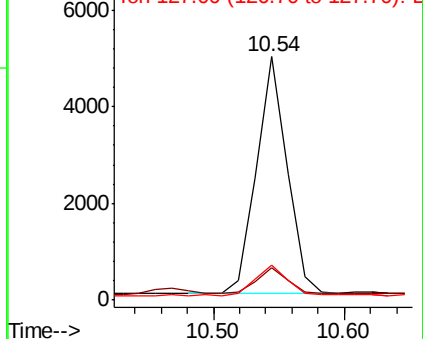


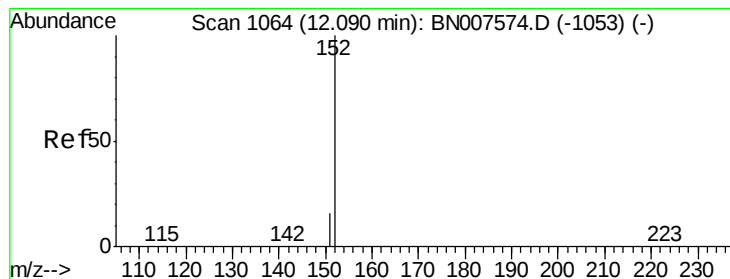
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.375 ng

RT: 12.09 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BN007581.D

Acq: 10 Sep 2019 18:02

Instrument :

BNA_N

ClientSampleId :

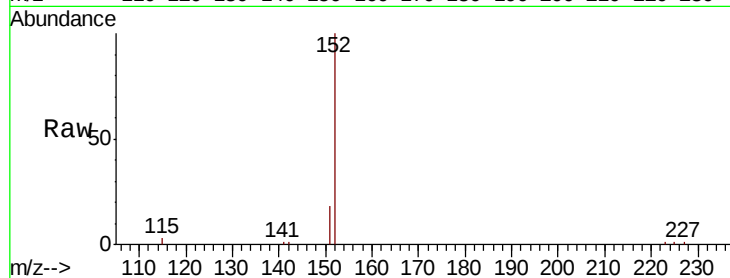
GW801-20.0-25.0-090719

Tot Ion:152 Resp: 14383

Ion Ratio Lower Upper

152 100

151 19.1 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.09

10000

8000

6000

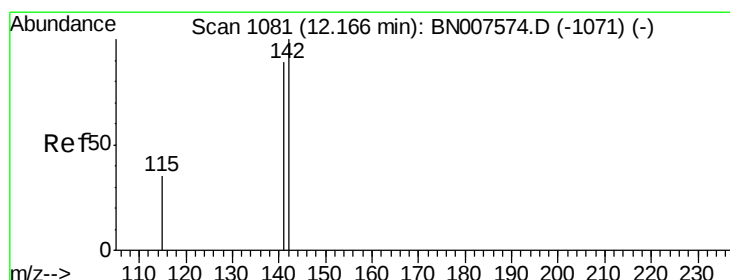
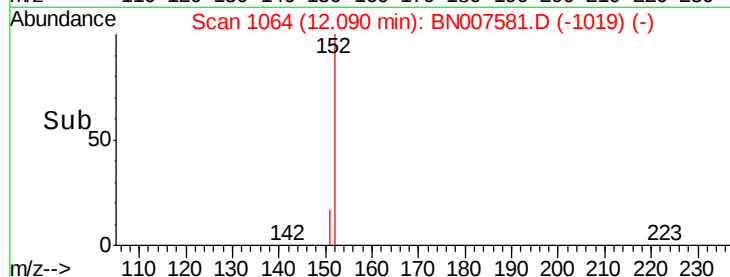
4000

2000

0

Time-->

12.00 12.10



#12

2-Methylnaphthalene

Concen: 1.314 ng

RT: 12.16 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BN007581.D

Acq: 10 Sep 2019 18:02

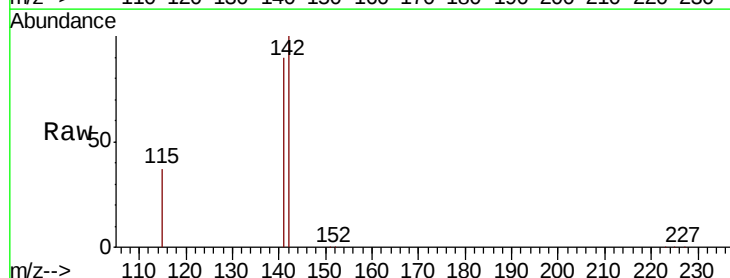
Tgt Ion:142 Resp: 57549

Ion Ratio Lower Upper

142 100

141 90.3 71.0 106.6

115 36.5 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

12.16

50000

40000

30000

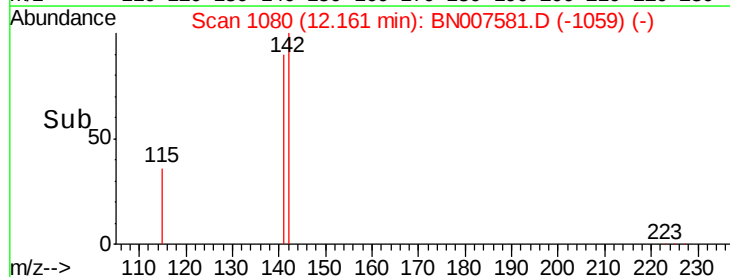
20000

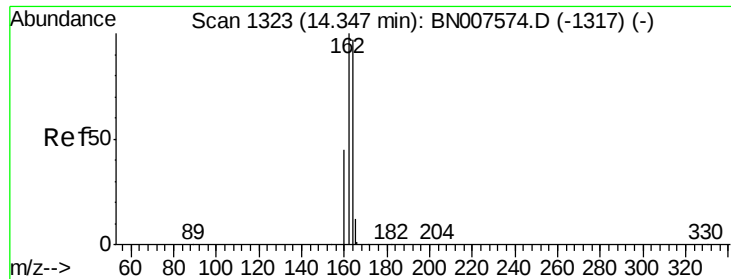
10000

0

Time-->

12.10 12.20





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.35 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BN007581.D

Acq: 10 Sep 2019 18:02

Instrument :

BNA_N

ClientSampleId :

GW801-20.0-25.0-090719

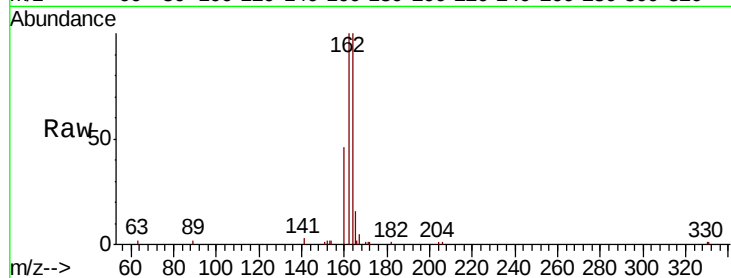
Tot Ion:164 Resp: 13126

Ion Ratio Lower Upper

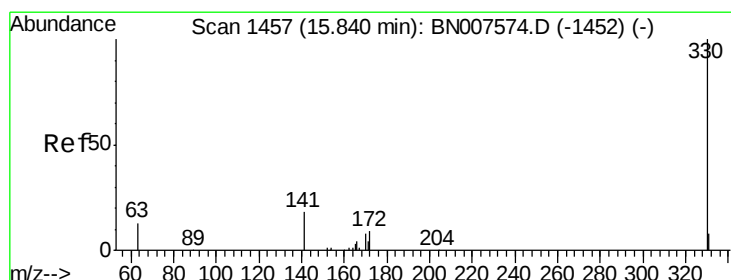
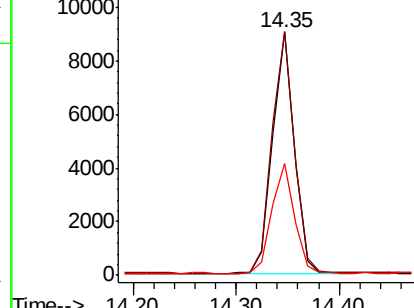
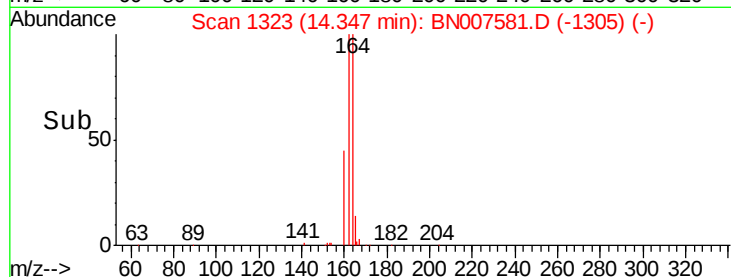
164 100

162 100.1 82.2 123.2

160 45.8 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: BN007581.D

Acq: 10 Sep 2019 18:02

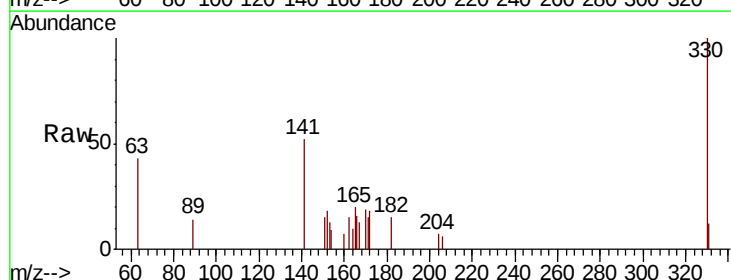
Tgt Ion:330 Resp: 2100

Ion Ratio Lower Upper

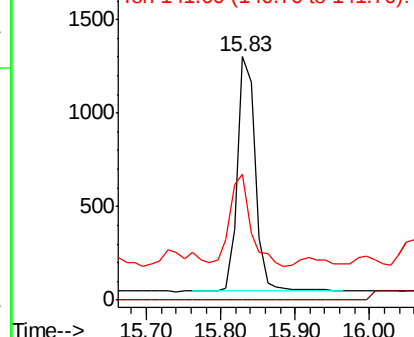
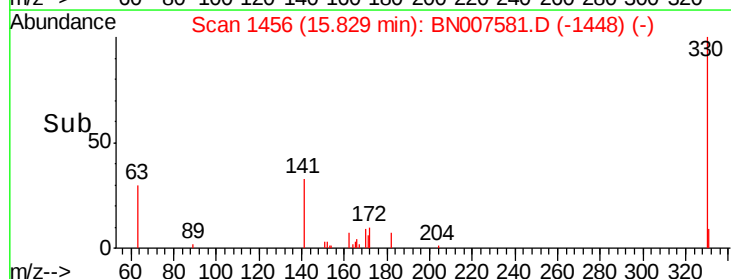
330 100

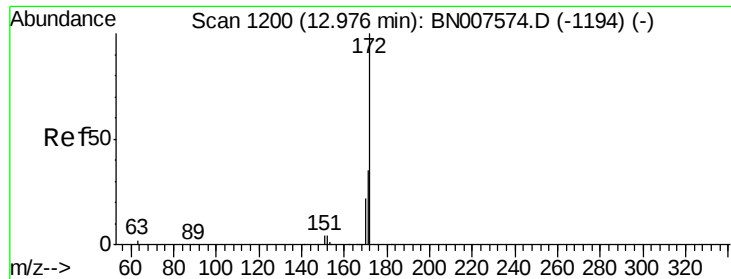
332 0.0 0.0 0.0

141 45.5 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

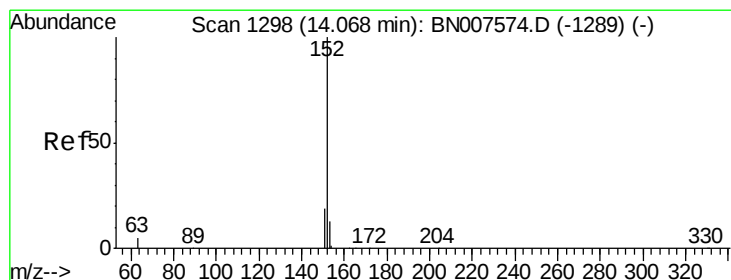
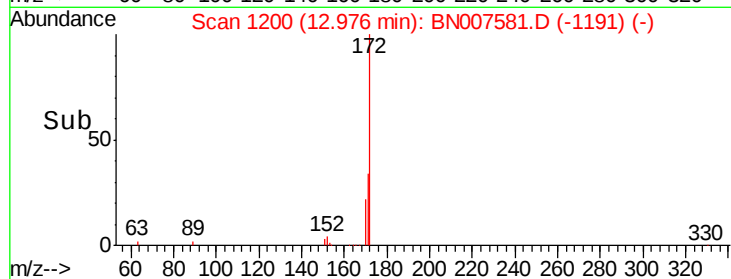
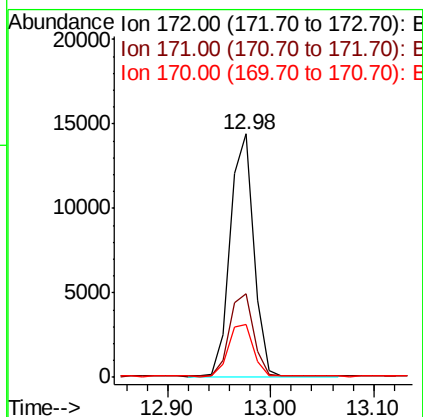
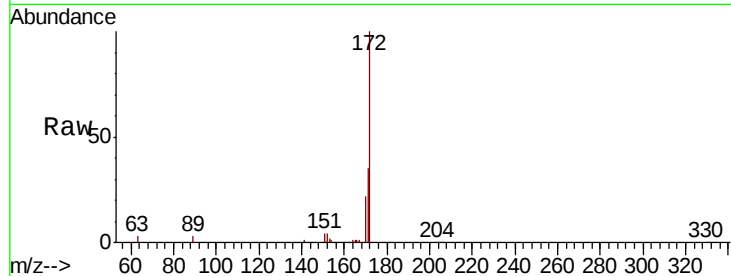




#15
2-Fluorobiphenyl
Concen: 0.417 ng
RT: 12.98 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BN007581.D
Acq: 10 Sep 2019 18:02

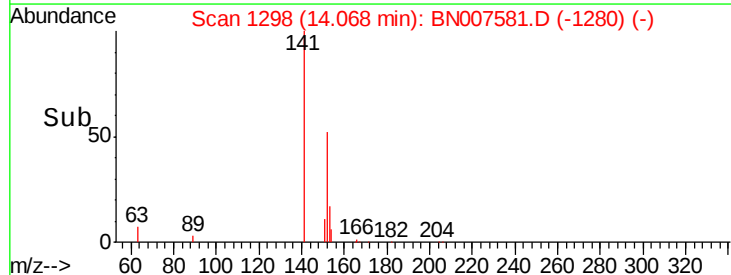
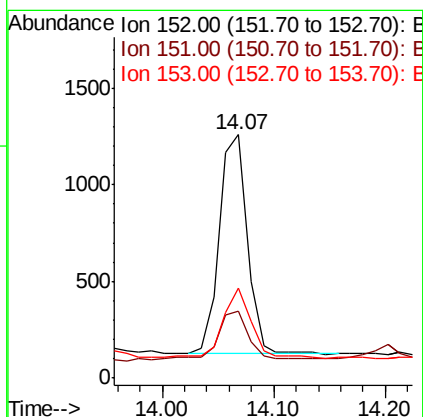
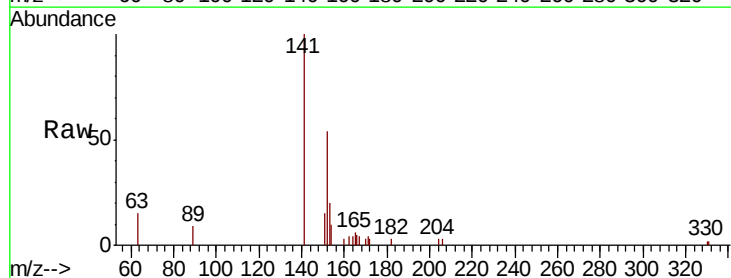
Instrument :
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GW801-20.0-25.0-090719

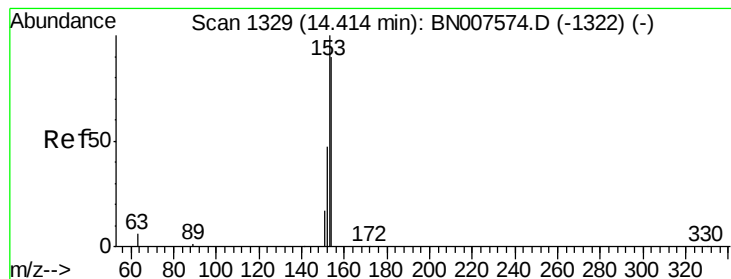
Tot Ion:172 Resp: 22619
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 22.0 18.3 27.5



#16
Acenaphthylene
Concen: 0.028 ng
RT: 14.07 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BN007581.D
Acq: 10 Sep 2019 18:02

Tgt Ion:152 Resp: 1961
Ion Ratio Lower Upper
152 100
151 25.9 15.8 23.6#
153 32.4 10.4 15.6#





#17

Acenaphthene

Concen: 0.054 ng

RT: 14.41 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BN007581.D

Acq: 10 Sep 2019 18:02

Instrument :

BNA_N

ClientSampleId :

GW801-20.0-25.0-090719

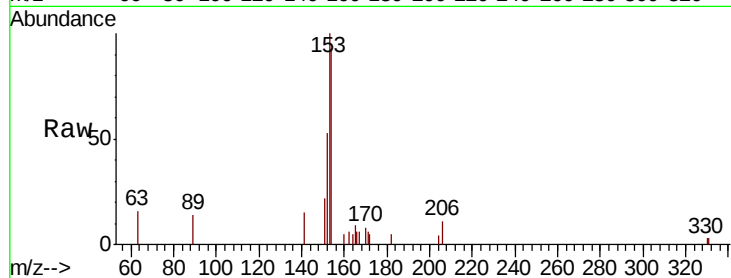
Tot Ion:154 Resp: 2415

Ion Ratio Lower Upper

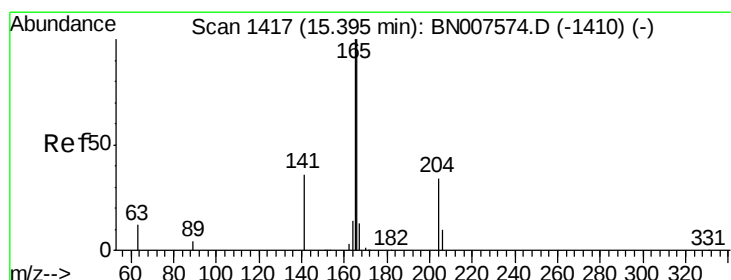
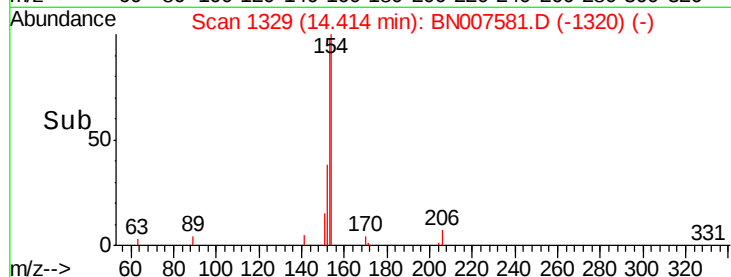
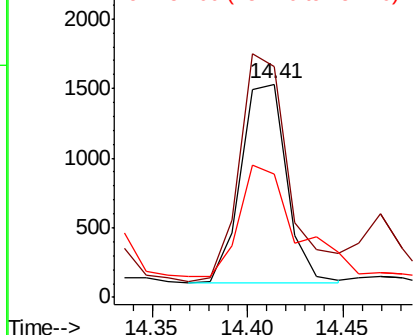
154 100

153 124.5 89.4 134.2

152 75.8 43.4 65.0#



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: 0.092 ng

RT: 15.39 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BN007581.D

Acq: 10 Sep 2019 18:02

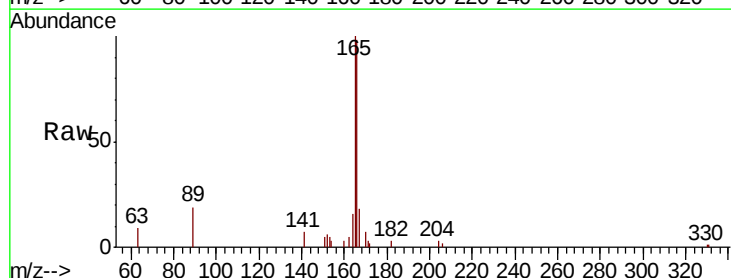
Tgt Ion:166 Resp: 5369

Ion Ratio Lower Upper

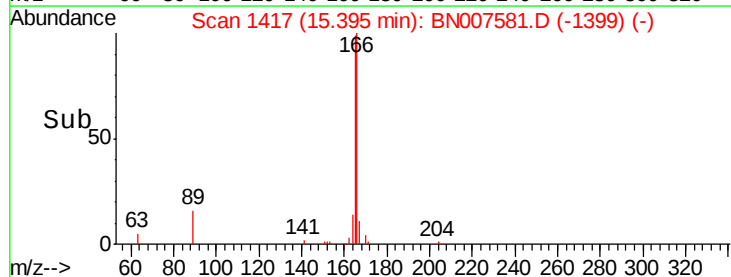
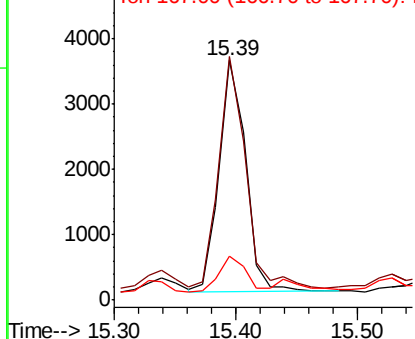
166 100

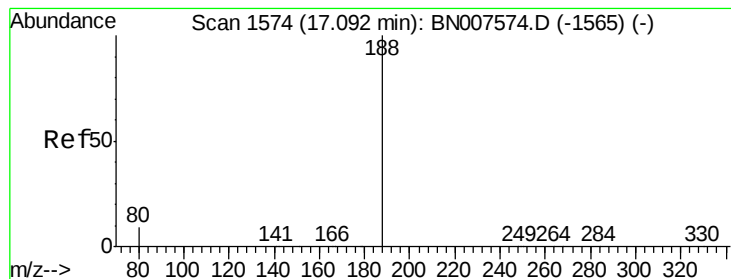
165 99.9 77.8 116.6

167 16.5 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: BN007581.D

Acq: 10 Sep 2019 18:02

Instrument :

BNA_N

ClientSampleId :

GW801-20.0-25.0-090719

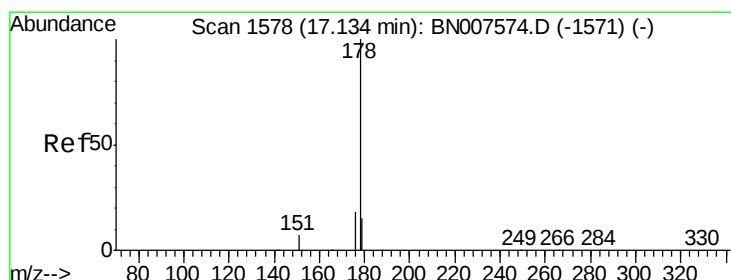
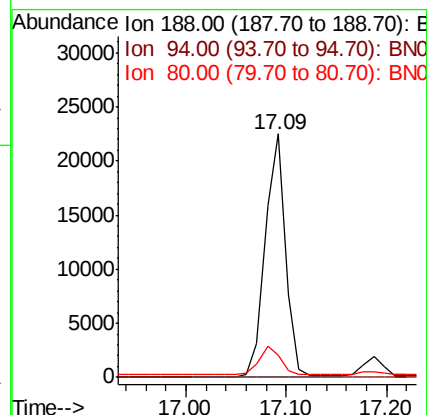
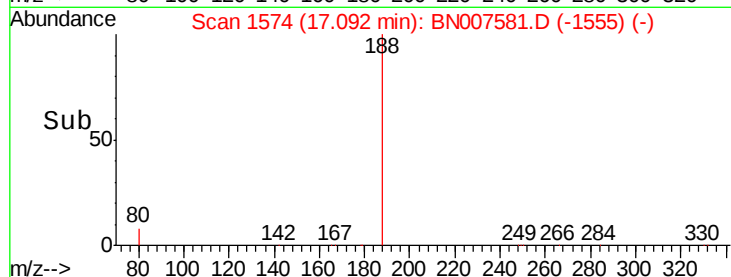
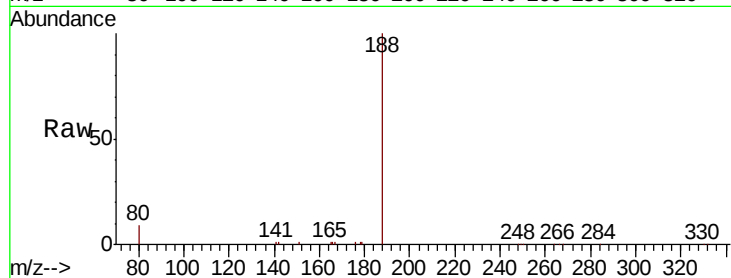
Tot Ion:188 Resp: 31705

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.0 8.1 12.1



#23

Phenanthrene

Concen: 0.483 ng

RT: 17.13 min Scan# 1578

Delta R.T. 0.00 min

Lab File: BN007581.D

Acq: 10 Sep 2019 18:02

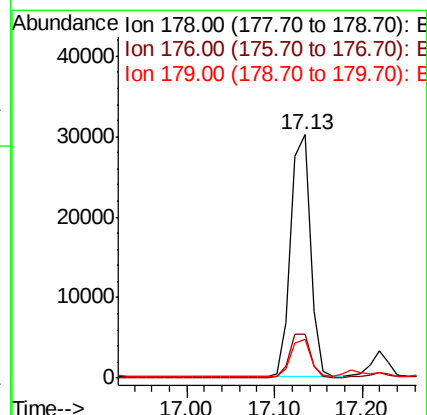
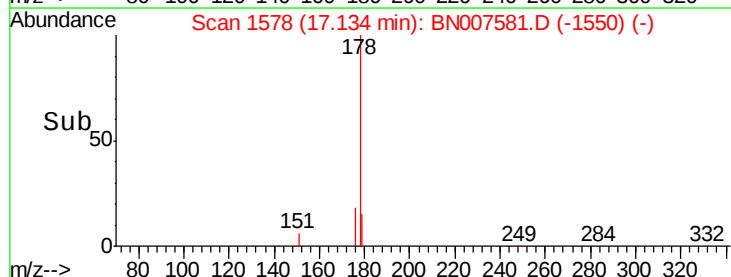
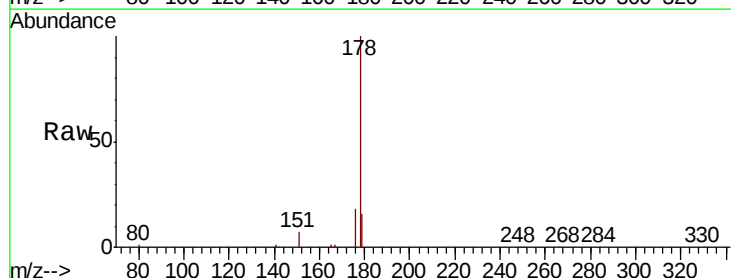
Tgt Ion:178 Resp: 47246

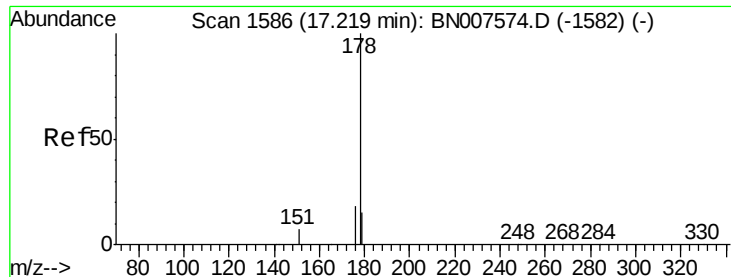
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 15.6 12.2 18.2





#24

Anthracene

Concen: 0.049 ng

RT: 17.22 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BN007581.D

Acq: 10 Sep 2019 18:02

Instrument :

BNA_N

ClientSampleId :

GW801-20.0-25.0-090719

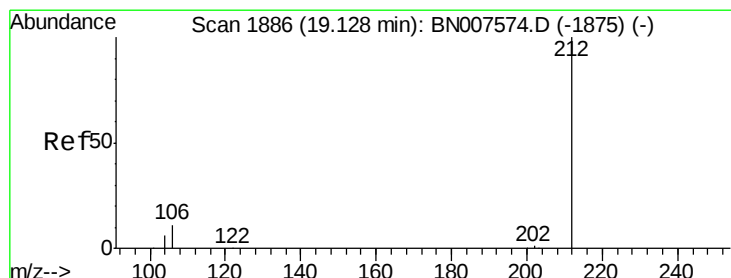
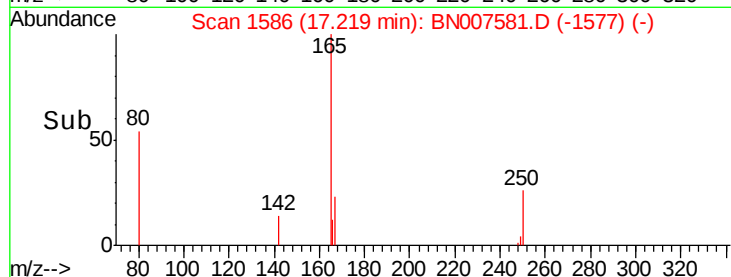
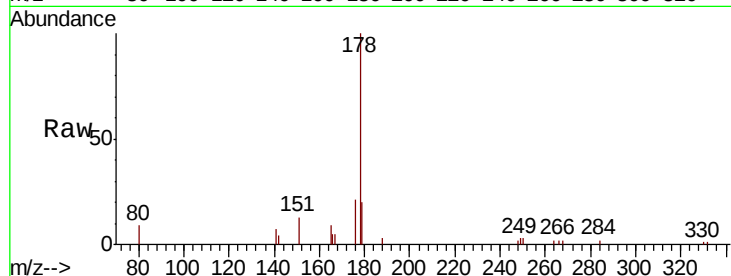
Tot Ion:178 Resp: 4468

Ion Ratio Lower Upper

178 100

176 20.2 14.4 21.6

179 0.0 12.5 18.7#



#25

Fluoranthene-d10

Concen: 0.385 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.00 min

Lab File: BN007581.D

Acq: 10 Sep 2019 18:02

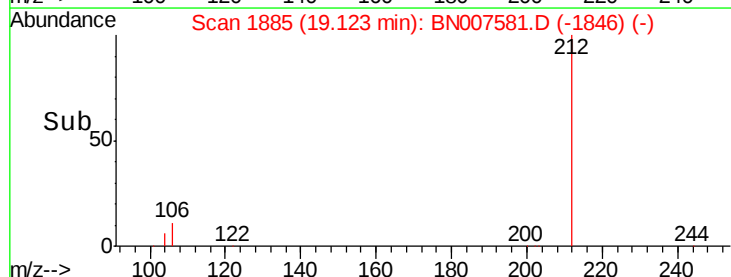
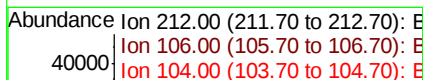
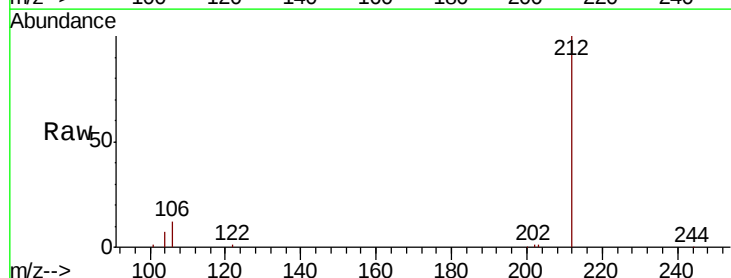
Tgt Ion:212 Resp: 39674

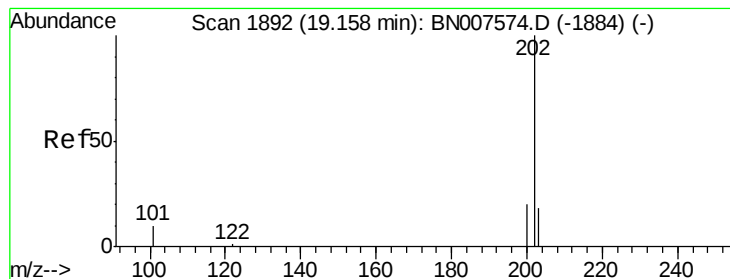
Ion Ratio Lower Upper

212 100

106 12.4 9.7 14.5

104 6.9 5.5 8.3





#26

Fluoranthene

Concen: 0.096 ng

RT: 19.15 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BN007581.D

Acq: 10 Sep 2019 18:02

Instrument :

BNA_N

ClientSampleId :

GW801-20.0-25.0-090719

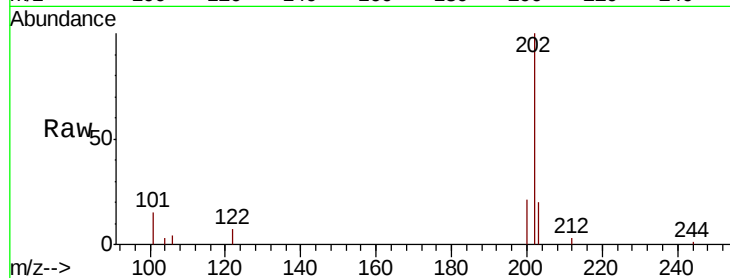
Tot Ion:202 Resp: 11396

Ion Ratio Lower Upper

202 100

101 13.1 8.8 13.2

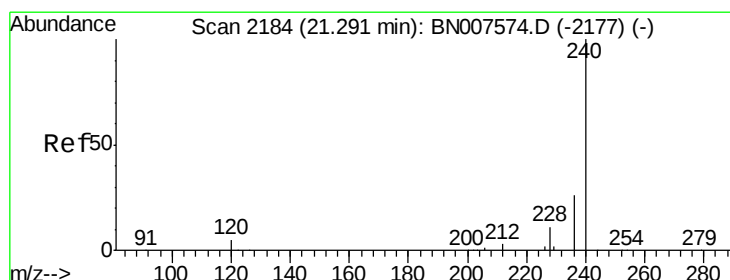
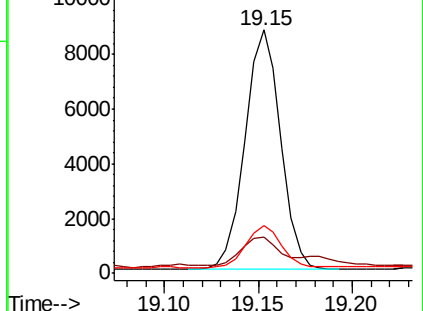
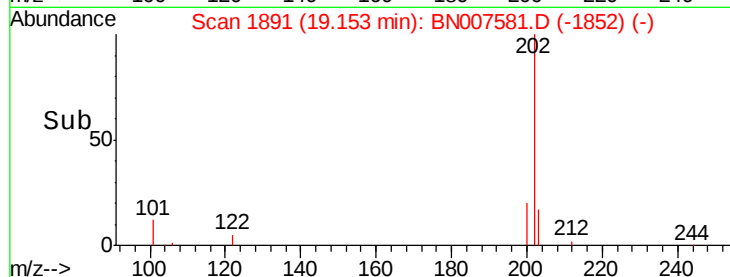
203 17.9 13.8 20.8



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: BN007581.D

Acq: 10 Sep 2019 18:02

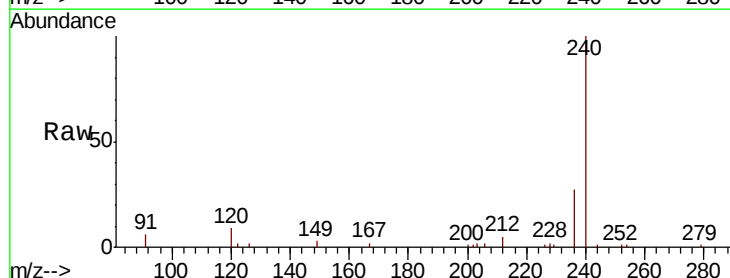
Tgt Ion:240 Resp: 33041

Ion Ratio Lower Upper

240 100

120 9.2 5.0 7.4#

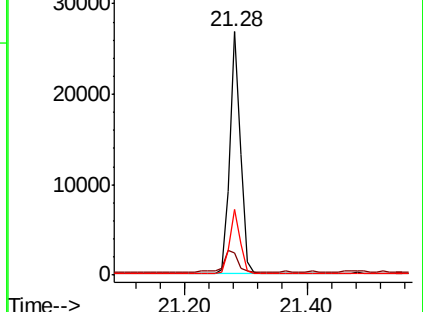
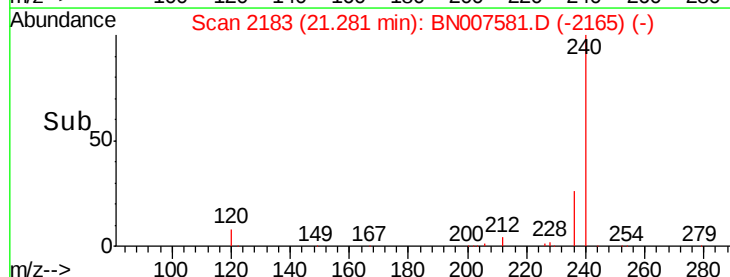
236 26.8 20.6 31.0

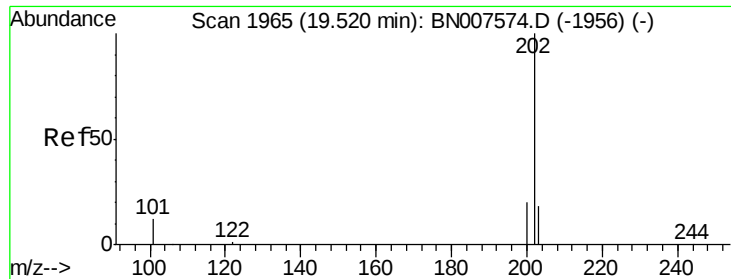


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

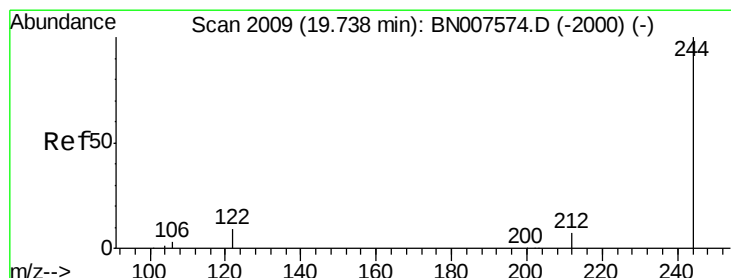
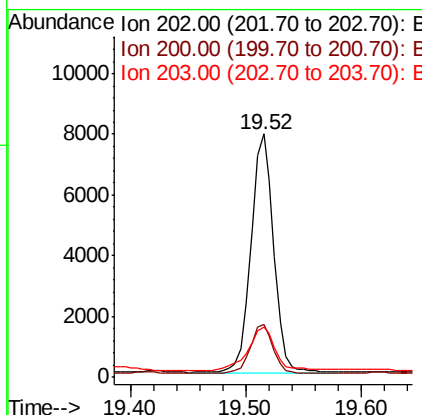
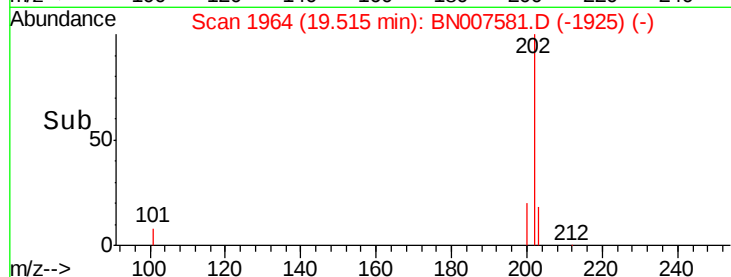
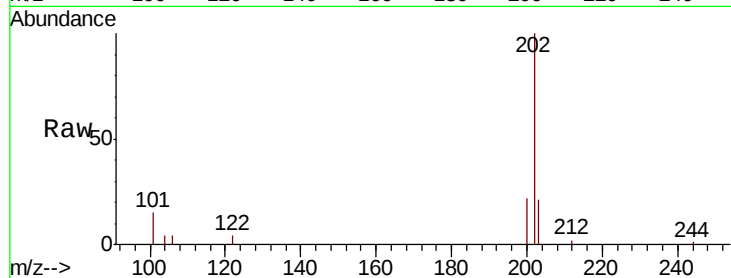




#28
Pvrene
Concen: 0.091 ng
RT: 19.52 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BN007581.D
Acq: 10 Sep 2019 18:02

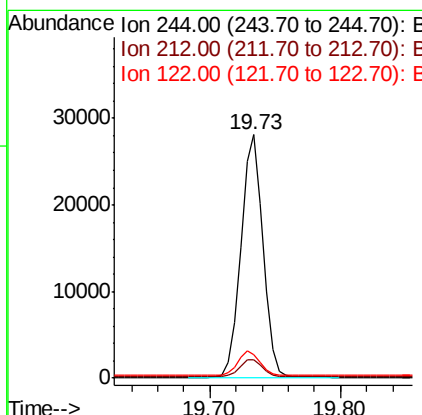
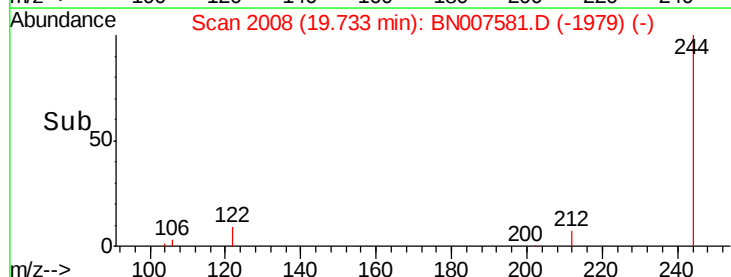
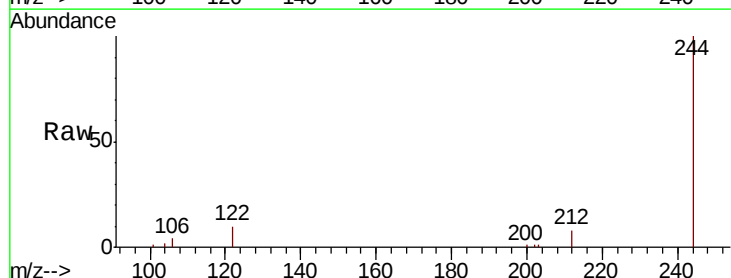
Instrument :
BNA_N
ClientSampleId :
GW801-20.0-25.0-090719

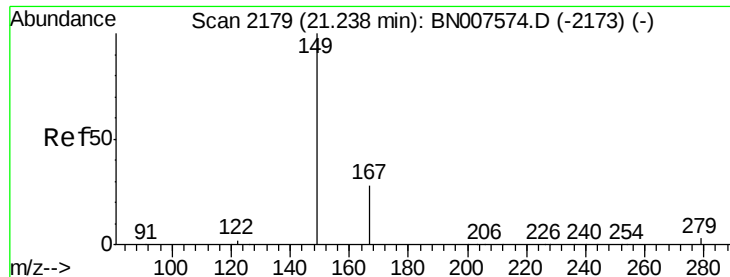
Tot Ion:202 Resp: 10821
Ion Ratio Lower Upper
202 100
200 21.3 16.3 24.5
203 23.0 14.1 21.1#



#29
Terphenyl-d14
Concen: 0.384 ng
RT: 19.73 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BN007581.D
Acq: 10 Sep 2019 18:02

Tgt Ion:244 Resp: 33008
Ion Ratio Lower Upper
244 100
212 7.8 5.8 8.8
122 9.9 7.8 11.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.325 ng

RT: 21.23 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BN007581.D

Acq: 10 Sep 2019 18:02

Instrument :

BNA_N

ClientSampleId :

GW801-20.0-25.0-090719

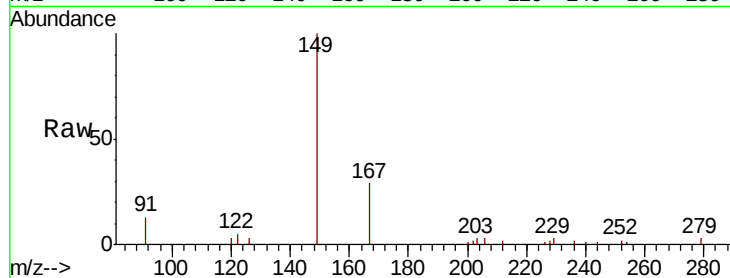
Tot Ion:149 Resp: 13137

Ion Ratio Lower Upper

149 100

167 31.0 22.1 33.1

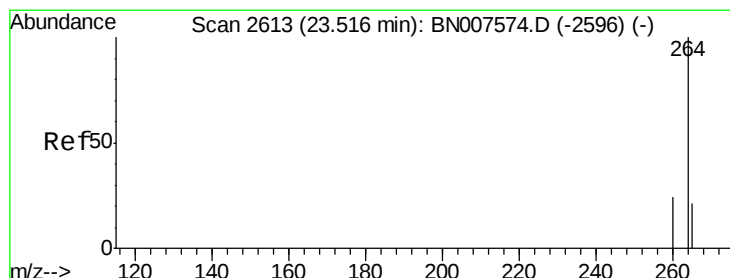
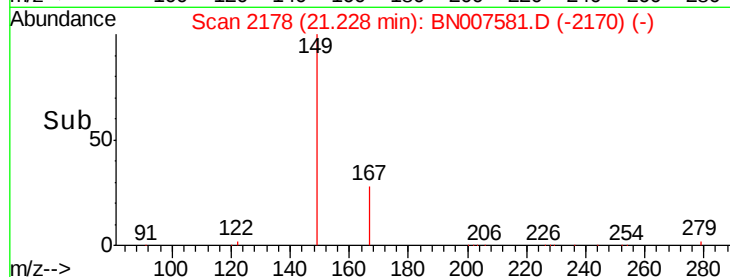
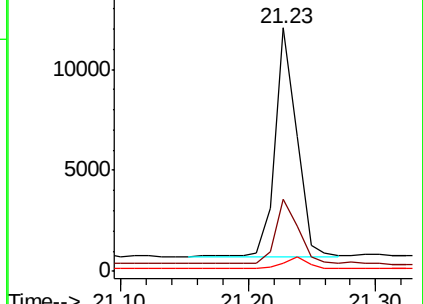
279 5.3 3.9 5.9



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

Perylene-d12

Concen: 0.400 ng

RT: 23.51 min Scan# 2611

Delta R.T. -0.01 min

Lab File: BN007581.D

Acq: 10 Sep 2019 18:02

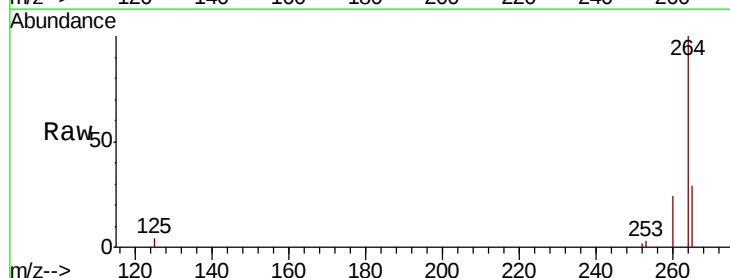
Tgt Ion:264 Resp: 36362

Ion Ratio Lower Upper

264 100

260 24.0 19.3 28.9

265 29.5 25.6 38.4



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

