

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090819\
 Data File : BN007567.D
 Acq On : 09 Sep 2019 01:13
 Operator : HP/JU
 Sample : K4754-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GW-807-45.0-50.0-090619

Quant Time: Sep 09 05:29:06 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

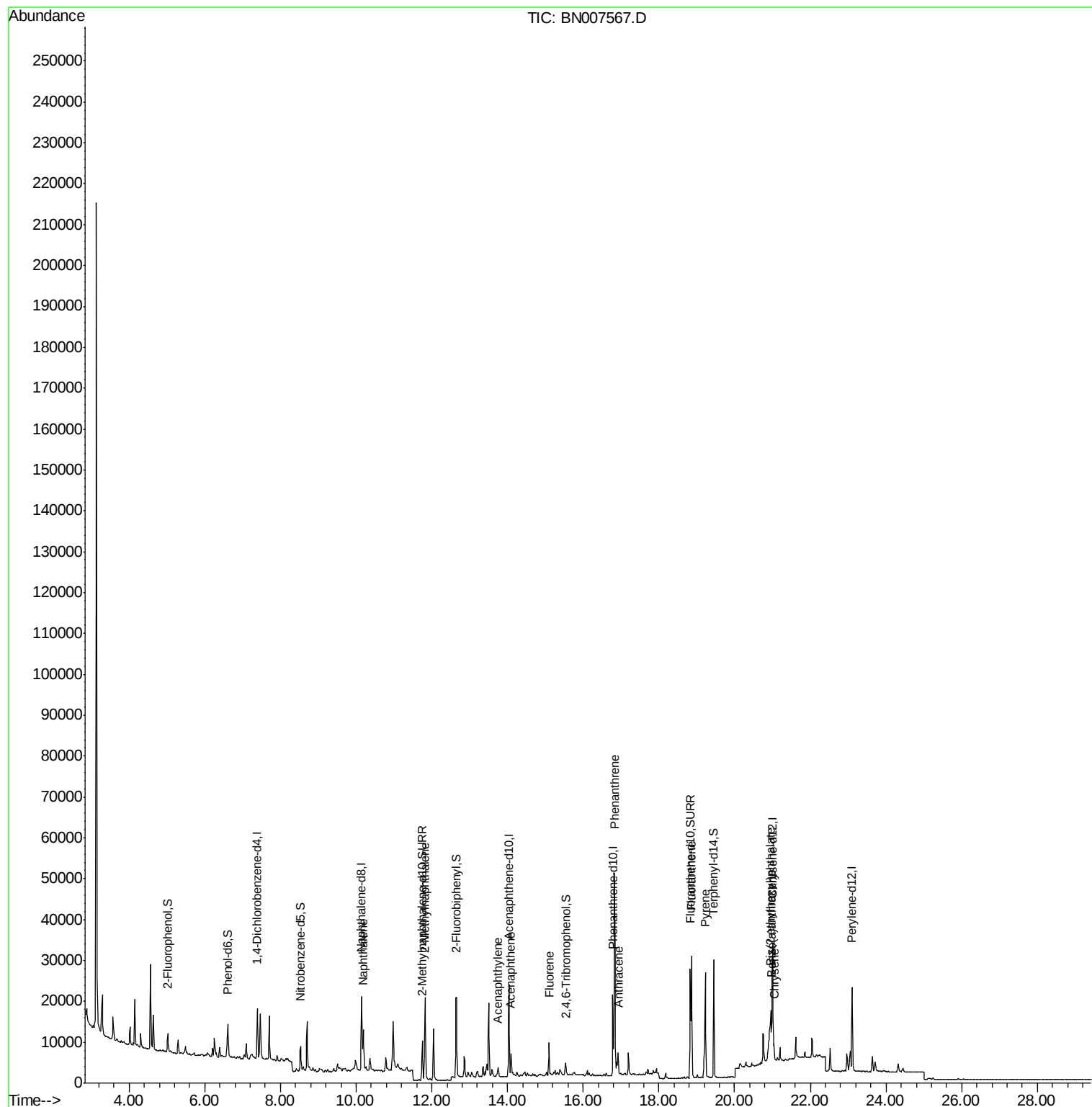
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	6090	0.40	ng	-0.02
7) Naphthalene-d8	10.14	136	24523	0.40	ng	-0.03
13) Acenaphthene-d10	14.03	164	12896	0.40	ng	-0.02
19) Phenanthrene-d10	16.78	188	26785	0.40	ng	-0.02
27) Chrysene-d12	21.00	240	24487	0.40	ng	-0.01
34) Perylene-d12	23.10	264	25995	0.40	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.02	112	3756	0.16	ng	-0.02
5) Phenol-d6	6.58	99	3227	0.10	ng	0.00
8) Nitrobenzene-d5	8.53	82	7435	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	11.74	152	15259	0.37	ng	-0.02
14) 2,4,6-Tribromophenol	15.54	330	2458	0.36	ng	-0.02
15) 2-Fluorobiphenyl	12.65	172	21106	0.41	ng	0.00
25) Fluoranthene-d10	18.83	212	31627	0.37	ng	-0.02
29) Terphenyl-d14	19.45	244	30833	0.48	ng	-0.02
Target Compounds						Qvalue
9) Naphthalene	10.19	128	13124	0.187	ng	# 92
12) 2-Methylnaphthalene	11.82	142	15959	0.334	ng	96
16) Acenaphthylene	13.75	152	1970	0.026	ng	# 91
17) Acenaphthene	14.09	154	2916	0.065	ng	96
18) Fluorene	15.09	166	5103	0.090	ng	99
23) Phenanthrene	16.83	178	52418	0.651	ng	99
24) Anthracene	16.92	178	6929	0.086	ng	98
26) Fluoranthene	18.86	202	27415	0.265	ng	# 97
28) Pyrene	19.22	202	24409	0.248	ng	97
30) Benzo(a)anthracene	20.98	228	3408	0.035	ng	# 63
31) Chrysene	21.04	228	2982	0.032	ng	# 87
32) Bis(2-ethylhexyl)phthalate	20.95	149	6409	0.084	ng	# 80

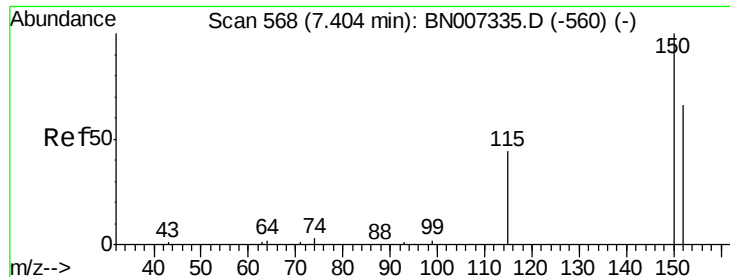
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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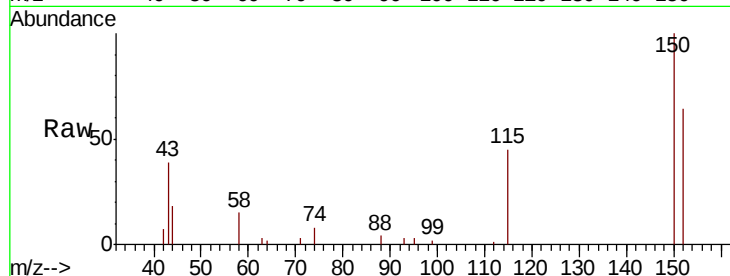


#1

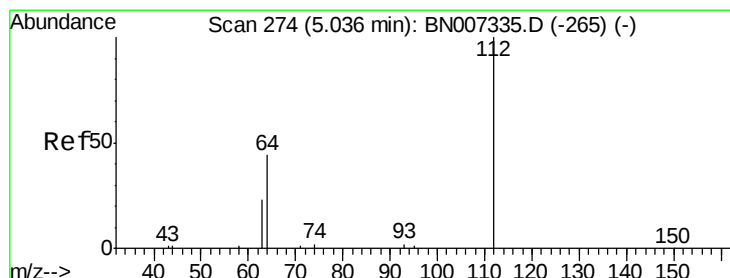
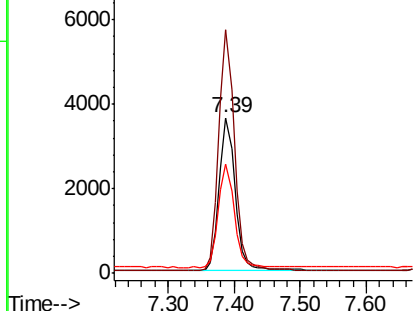
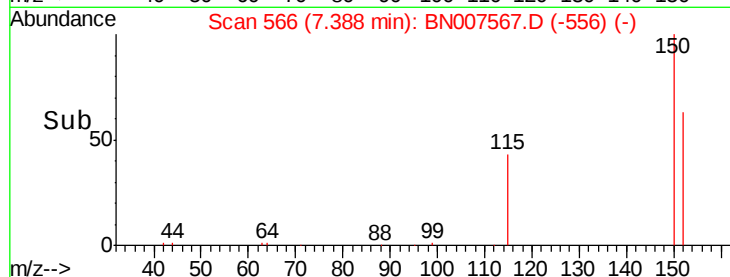
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 566
Delta R.T. -0.02 min
Lab File: BN007567.D
Acq: 09 Sep 2019 01:13

Instrument :
BNA_N
ClientSampleId :
GW-807-45.0-50.0-090619

Tot Ion:152 Resp: 6090
Ion Ratio Lower Upper
152 100
150 156.3 109.1 163.7
115 70.1 59.6 89.4



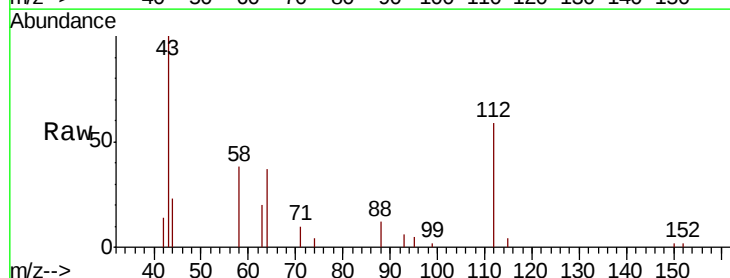
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



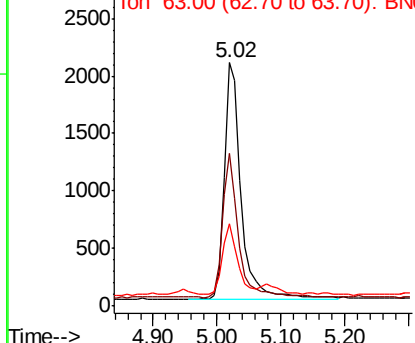
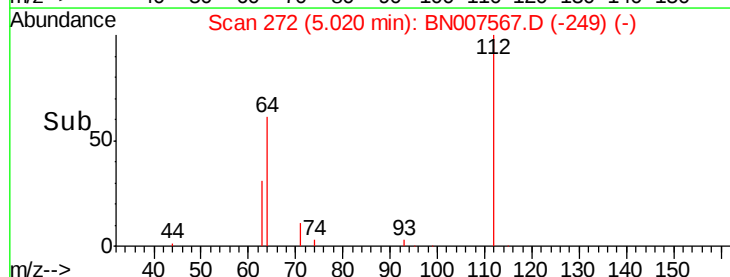
#4

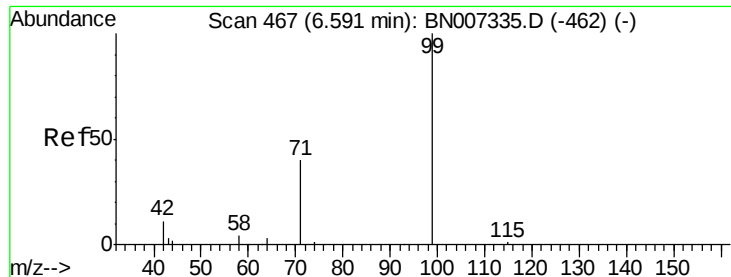
2-Fluorophenol
Concen: 0.161 ng
RT: 5.02 min Scan# 272
Delta R.T. -0.02 min
Lab File: BN007567.D
Acq: 09 Sep 2019 01:13

Tgt Ion:112 Resp: 3756
Ion Ratio Lower Upper
112 100
64 57.6 42.3 63.5
63 27.0 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





#5

Phenol-d6

Concen: 0.097 ng

RT: 6.58 min Scan# 466

Delta R.T. -0.01 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

Instrument :

BNA_N

ClientSampleId :

GW-807-45.0-50.0-090619

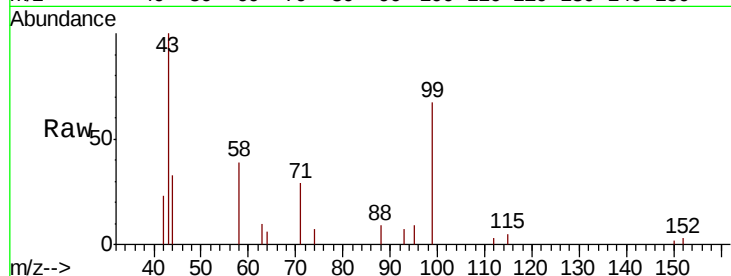
Tot Ion: 99 Resp: 3227

Ion Ratio Lower Upper

99 100

42 24.0 11.2 16.8#

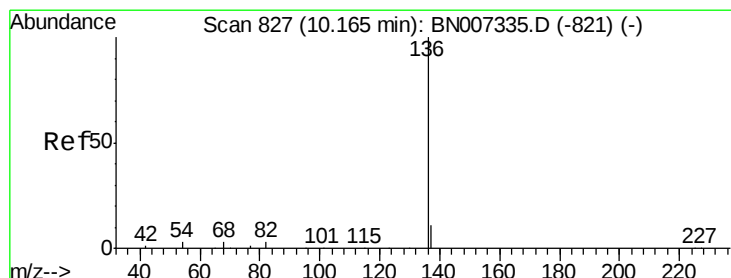
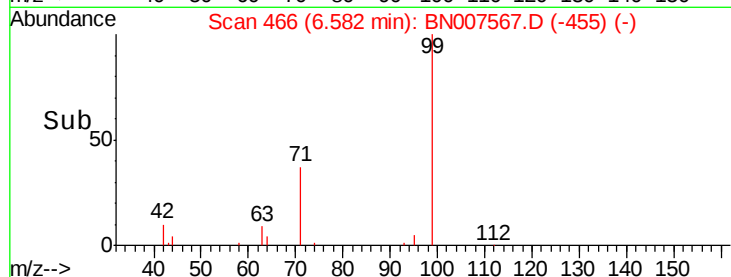
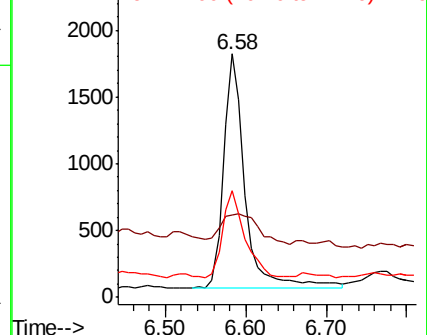
71 38.8 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007335.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007335.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007335.D (-462) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.14 min Scan# 825

Delta R.T. -0.03 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

Tgt Ion: 136 Resp: 24523

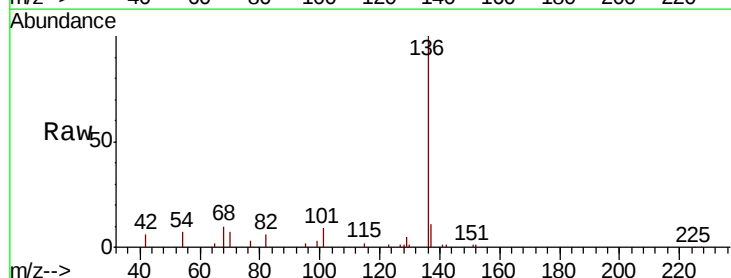
Ion Ratio Lower Upper

136 100

137 11.3 12.9 19.3#

54 7.5 8.6 12.8#

68 9.8 17.0 25.4#

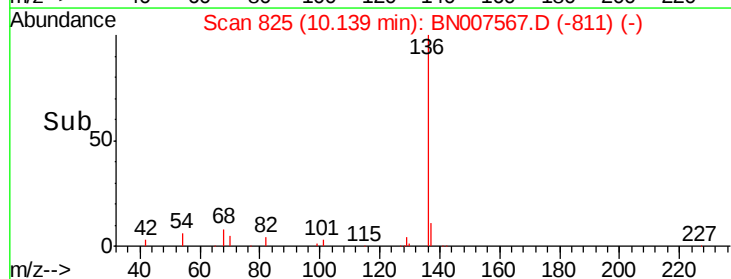
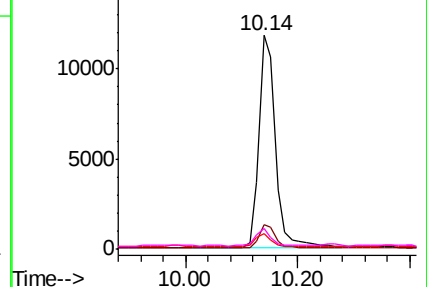


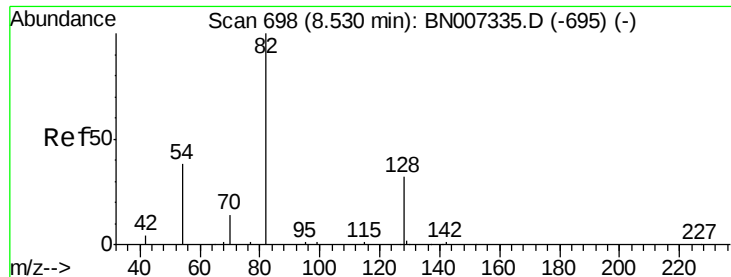
Abundance Ion 136.00 (135.70 to 136.70): BN007335.D (-821) (-)

Ion 137.00 (136.70 to 137.70): BN007335.D (-821) (-)

Ion 54.00 (53.70 to 54.70): BN007335.D (-821) (-)

Ion 68.00 (67.70 to 68.70): BN007335.D (-821) (-)





#8

Nitrobenzene-d5

Concen: 0.348 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

Instrument :

BNA_N

ClientSampleId :

GW-807-45.0-50.0-090619

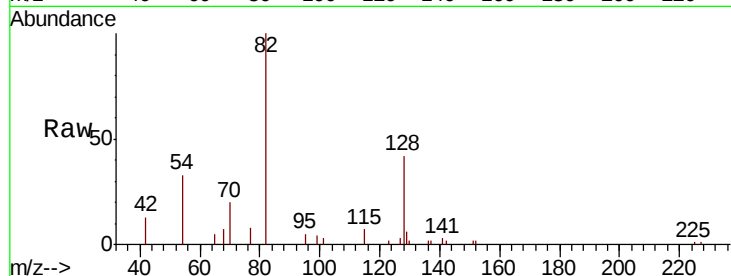
Tot Ion: 82 Resp: 7435

Ion Ratio Lower Upper

82 100

128 42.3 19.7 29.5#

54 32.6 25.8 38.6

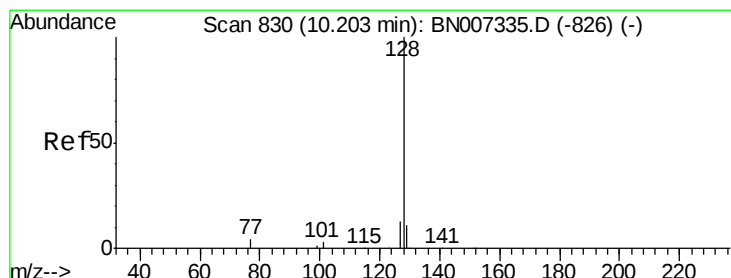
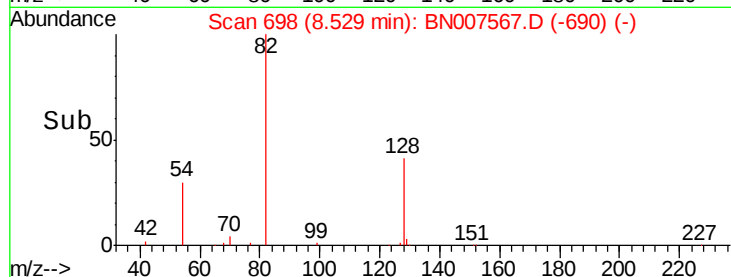


Abundance Ion 82.00 (81.70 to 82.70): BN007335.D (-695) (-)

Ion 128.00 (127.70 to 128.70): BN007335.D (-695) (-)

Ion 54.00 (53.70 to 54.70): BN007335.D (-695) (-)

Time-->



#9

Naphthalene

Concen: 0.187 ng

RT: 10.19 min Scan# 829

Delta R.T. -0.01 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

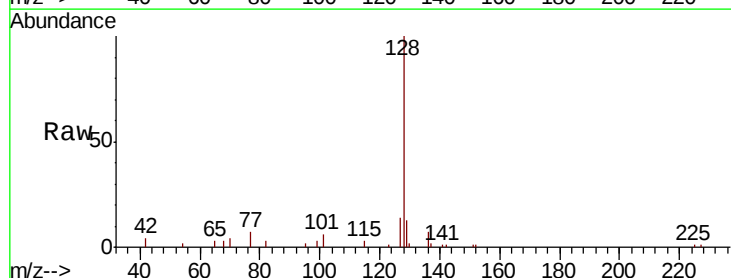
Tgt Ion: 128 Resp: 13124

Ion Ratio Lower Upper

128 100

129 13.0 11.1 16.7

127 14.0 15.5 23.3#

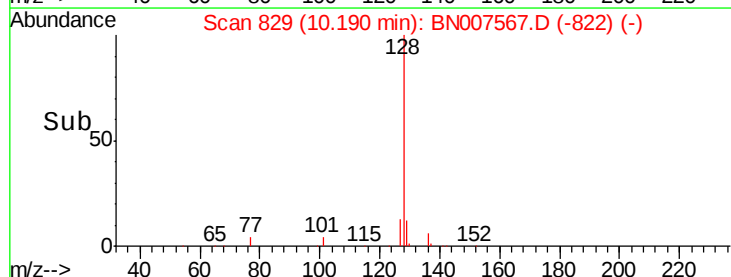


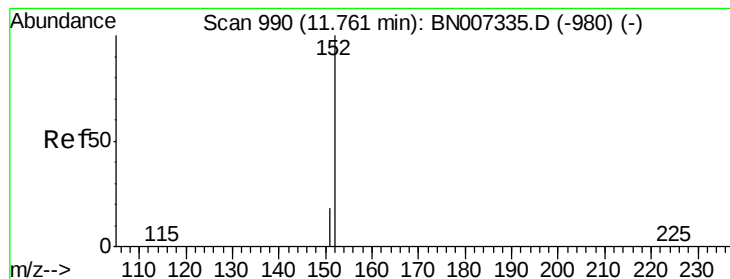
Abundance Ion 128.00 (127.70 to 128.70): BN007335.D (-826) (-)

Ion 129.00 (128.70 to 129.70): BN007335.D (-826) (-)

Ion 127.00 (126.70 to 127.70): BN007335.D (-826) (-)

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.374 ng

RT: 11.74 min Scan# 986

Delta R.T. -0.02 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

Instrument :

BNA_N

ClientSampleId :

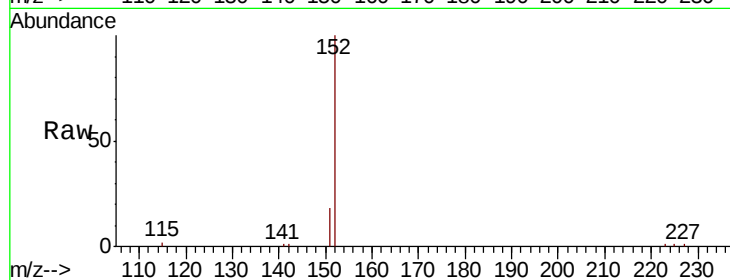
GW-807-45.0-50.0-090619

Tot Ion:152 Resp: 15259

Ion Ratio Lower Upper

152 100

151 19.3 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.74

8000

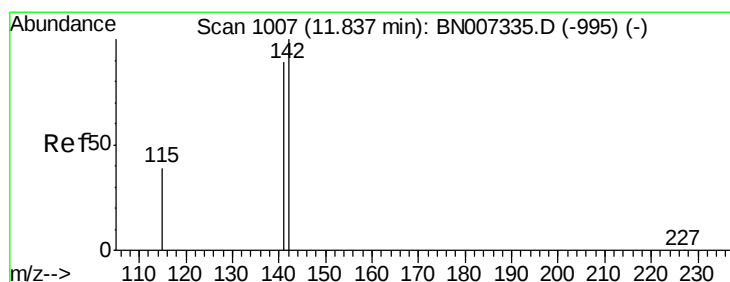
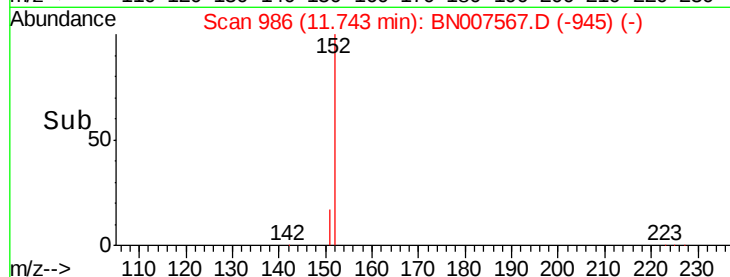
6000

4000

2000

0

Time--> 11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.334 ng

RT: 11.82 min Scan# 1003

Delta R.T. -0.02 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

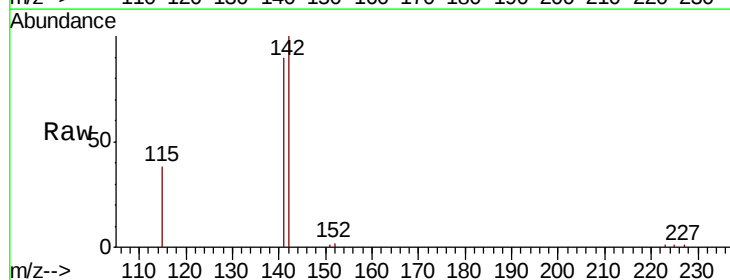
Tgt Ion:142 Resp: 15959

Ion Ratio Lower Upper

142 100

141 89.6 72.8 109.2

115 37.7 35.2 52.8



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

11.82

12000

10000

8000

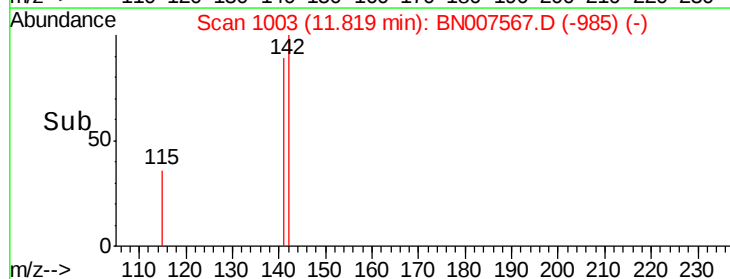
6000

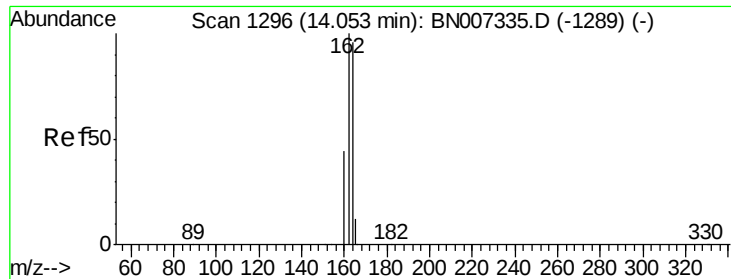
4000

2000

0

Time--> 11.70 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

Instrument :

BNA_N

ClientSampleId :

GW-807-45.0-50.0-090619

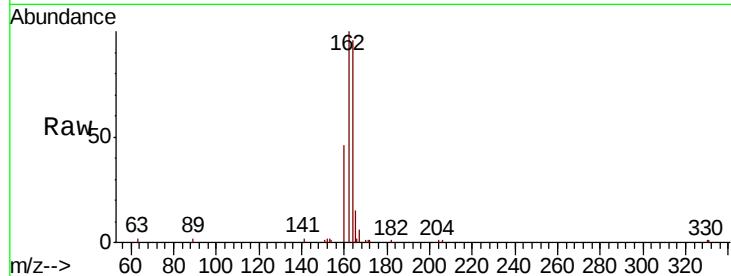
Tot Ion:164 Resp: 12896

Ion Ratio Lower Upper

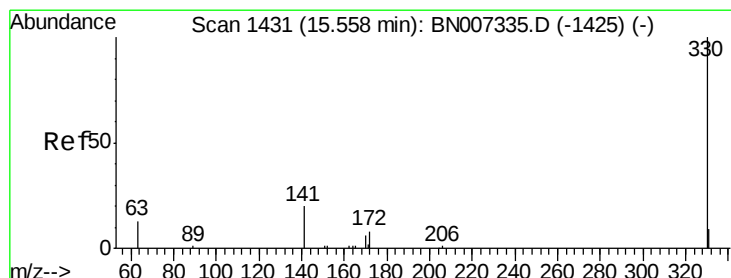
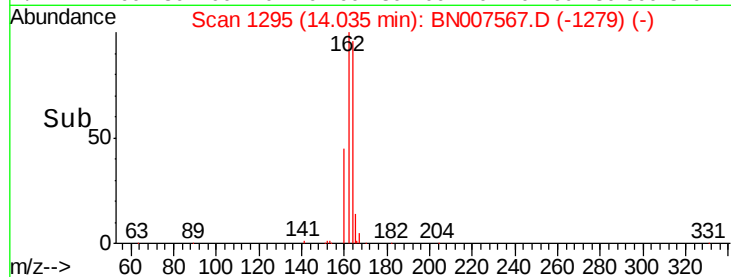
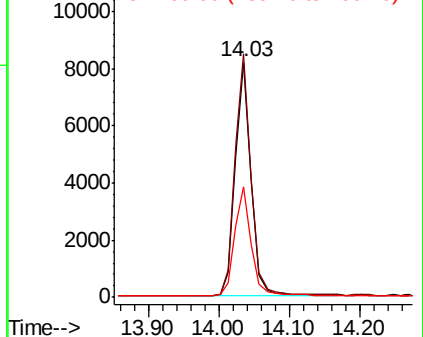
164 100

162 103.7 83.5 125.3

160 47.2 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: 0.364 ng

RT: 15.54 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

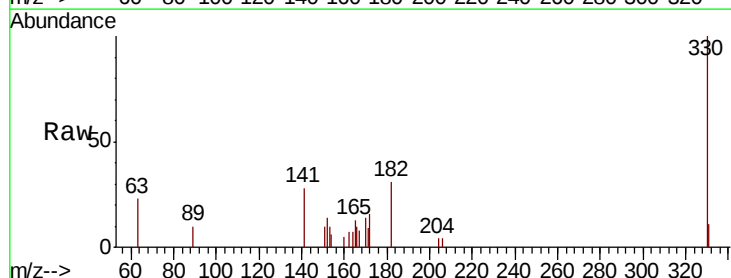
Tgt Ion:330 Resp: 2458

Ion Ratio Lower Upper

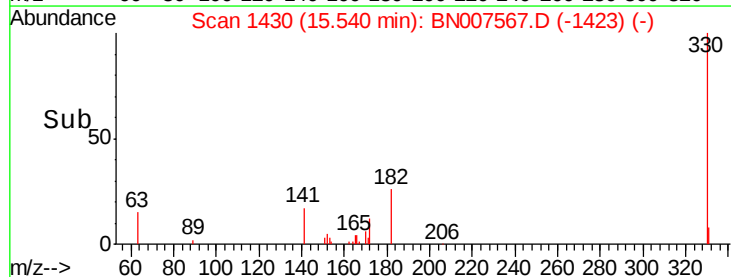
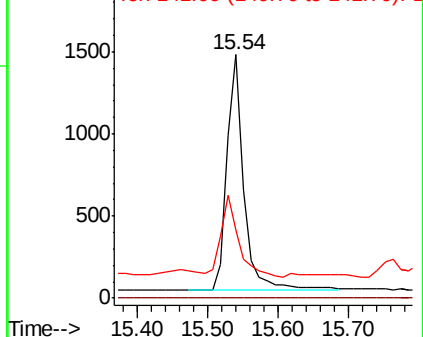
330 100

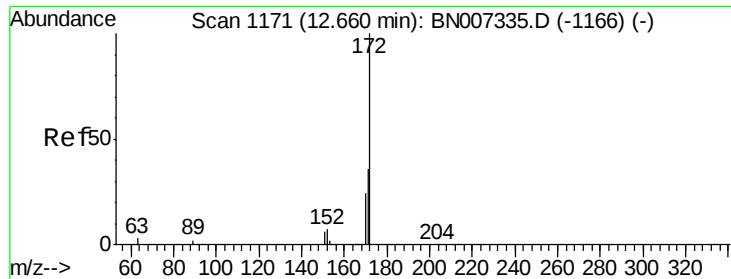
332 0.0 0.0 0.0

141 35.3 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

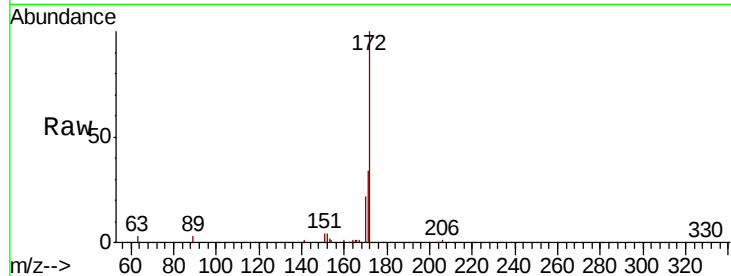




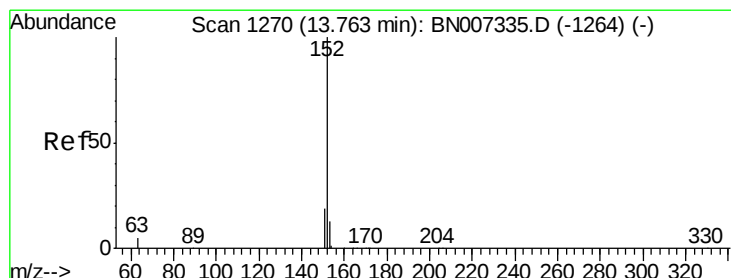
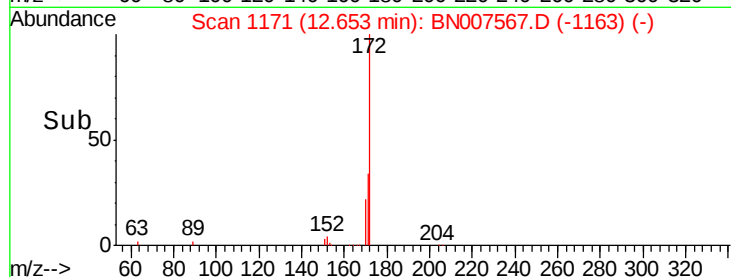
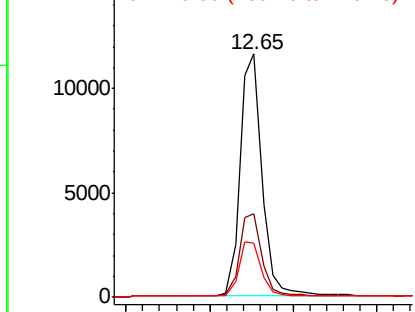
#15
2-Fluorobiphenyl
Concen: 0.406 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007567.D
Acq: 09 Sep 2019 01:13

Instrument :
BNA_N
ClientSampleId :
GW-807-45.0-50.0-090619

Tot Ion:172 Resp: 21106
Ion Ratio Lower Upper
172 100
171 34.4 30.3 45.5
170 22.0 20.7 31.1

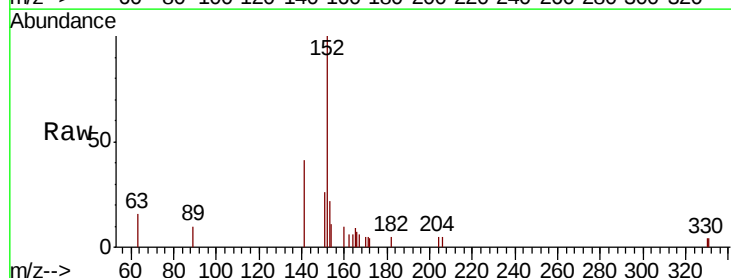


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

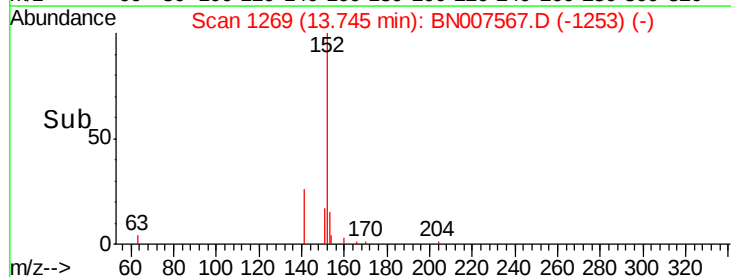
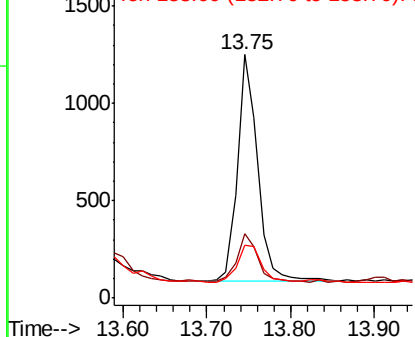


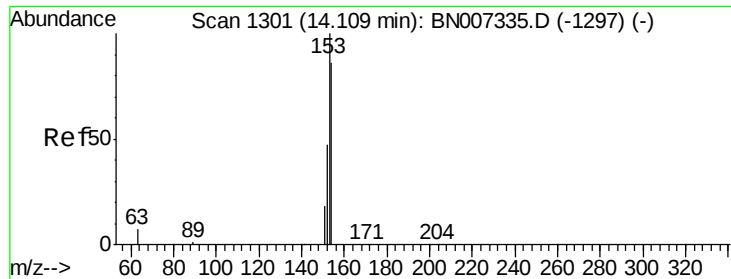
#16
Acenaphthylene
Concen: 0.026 ng
RT: 13.75 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BN007567.D
Acq: 09 Sep 2019 01:13

Tgt Ion:152 Resp: 1970
Ion Ratio Lower Upper
152 100
151 22.0 16.1 24.1
153 19.7 10.6 15.8#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

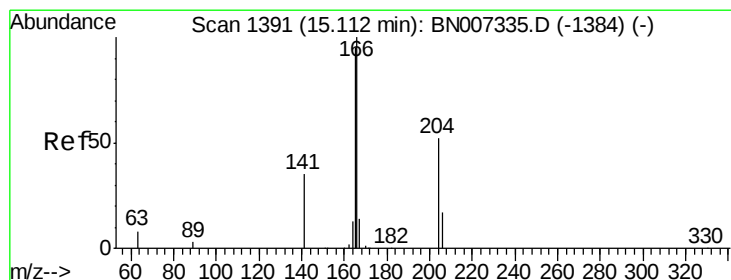
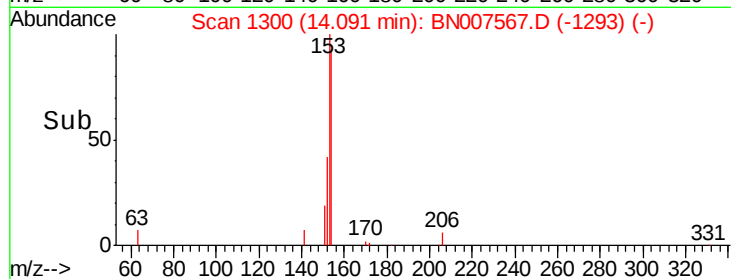
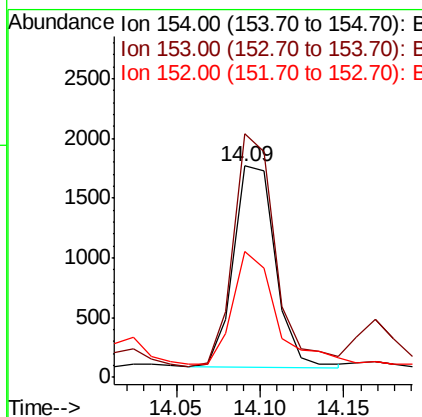
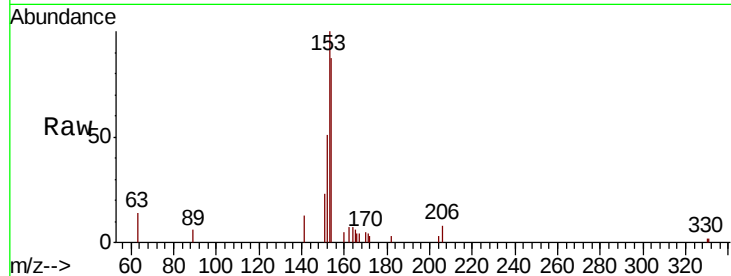




#17
Acenaphthene
Concen: 0.065 ng
RT: 14.09 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BN007567.D
Acq: 09 Sep 2019 01:13

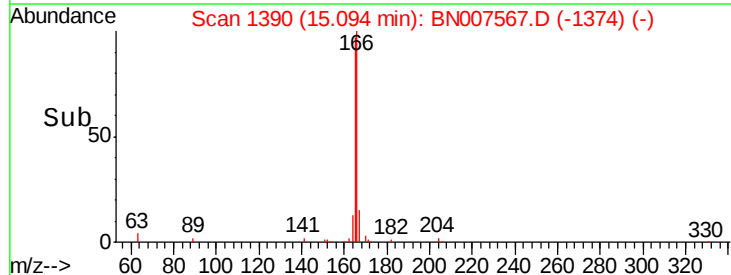
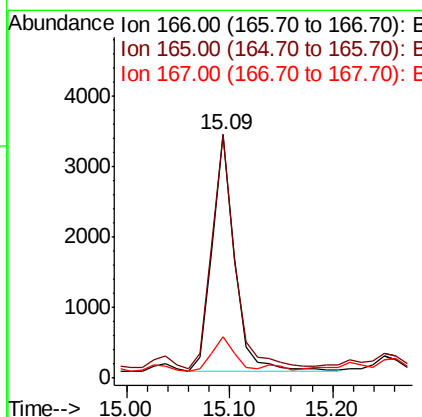
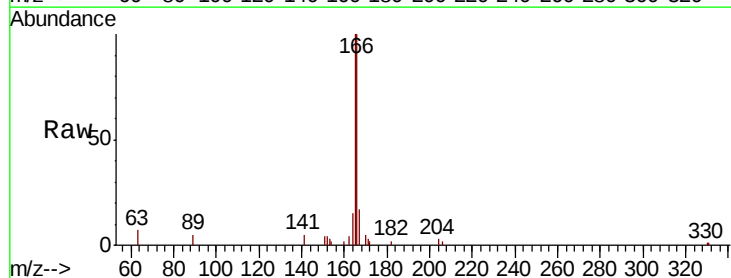
Instrument :
BNA_N
ClientSampleId :
GW-807-45.0-50.0-090619

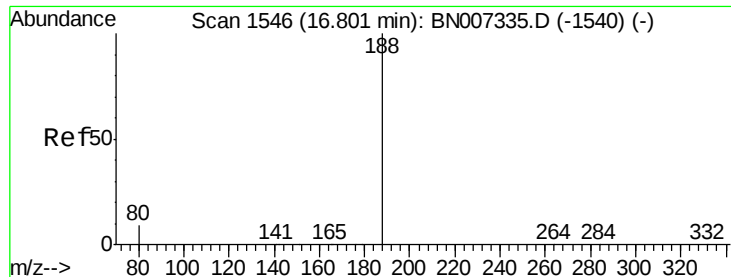
Tot Ion:154 Resp: 2916
Ion Ratio Lower Upper
154 100
153 117.2 92.8 139.2
152 62.1 43.8 65.8



#18
Fluorene
Concen: 0.090 ng
RT: 15.09 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BN007567.D
Acq: 09 Sep 2019 01:13

Tgt Ion:166 Resp: 5103
Ion Ratio Lower Upper
166 100
165 99.4 79.0 118.4
167 15.0 10.6 15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1545

Delta R.T. -0.02 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

Instrument :

BNA_N

ClientSampleId :

GW-807-45.0-50.0-090619

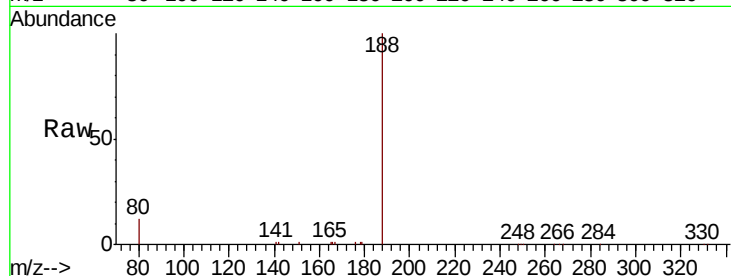
Tot Ion:188 Resp: 26785

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

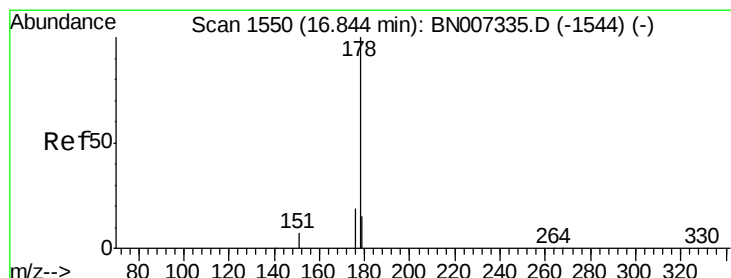
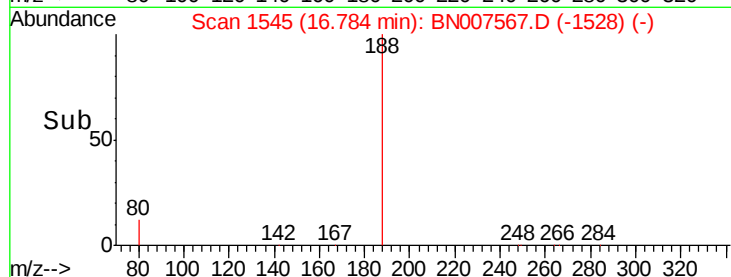
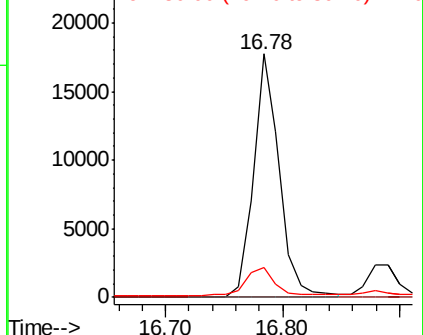
80 12.4 11.8 17.8



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



#23

Phenanthrene

Concen: 0.651 ng

RT: 16.83 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

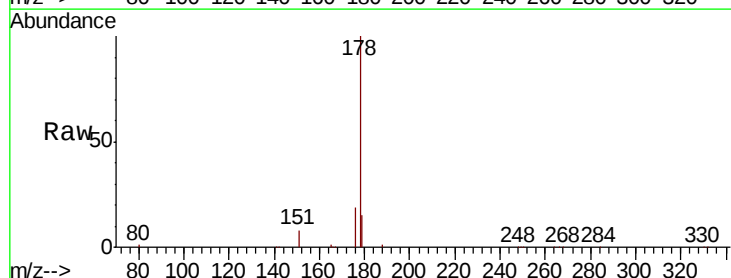
Tgt Ion:178 Resp: 52418

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

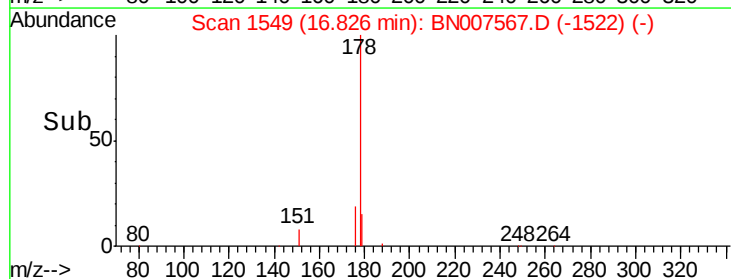
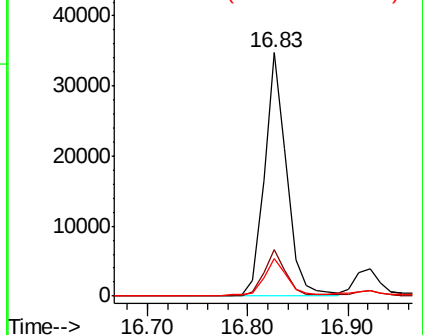
179 15.4 12.6 19.0

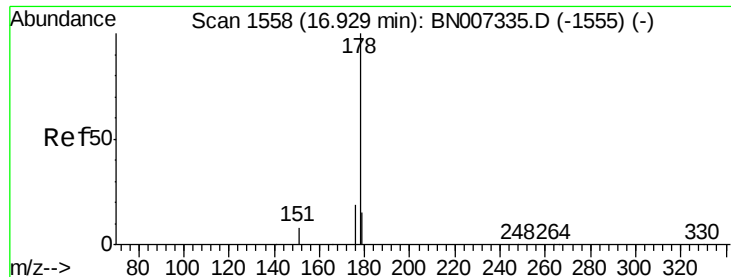


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.086 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

Instrument :

BNA_N

ClientSampleId :

GW-807-45.0-50.0-090619

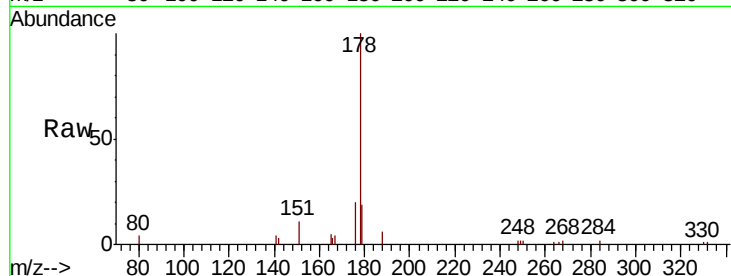
Tot Ion:178 Resp: 6929

Ion Ratio Lower Upper

178 100

176 18.1 14.9 22.3

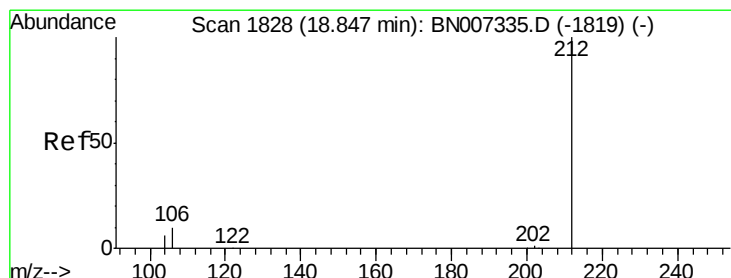
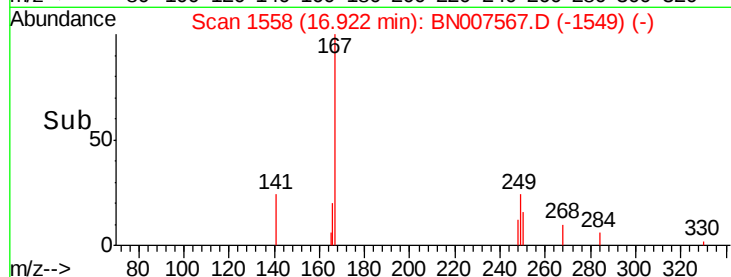
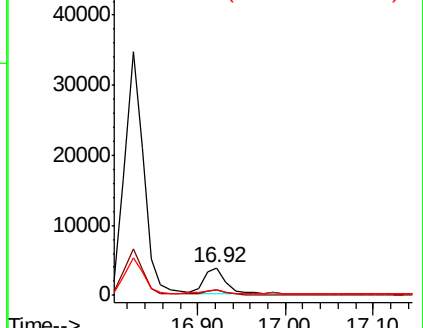
179 17.2 12.4 18.6



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: 0.367 ng

RT: 18.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

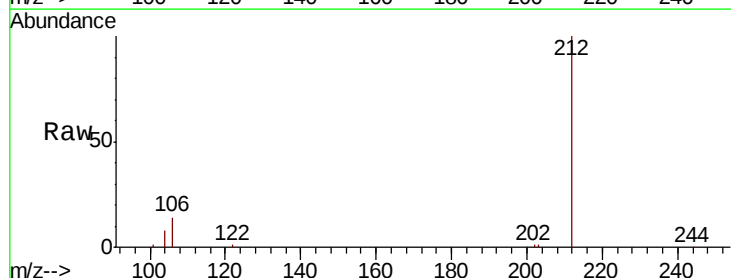
Tgt Ion:212 Resp: 31627

Ion Ratio Lower Upper

212 100

106 13.8 9.0 13.4#

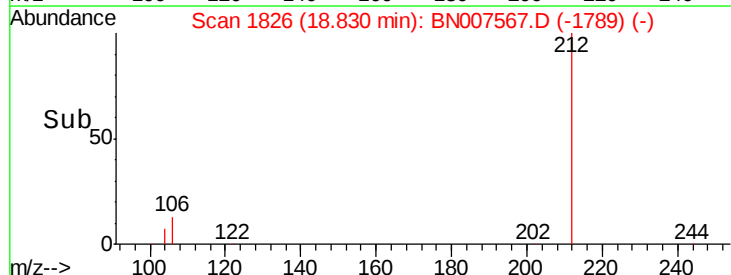
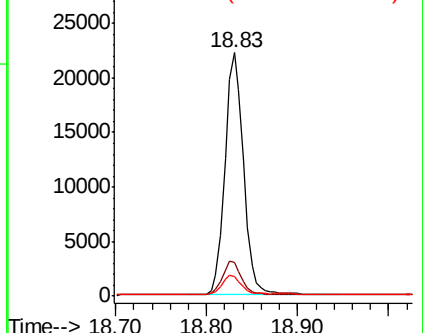
104 7.7 5.4 8.2

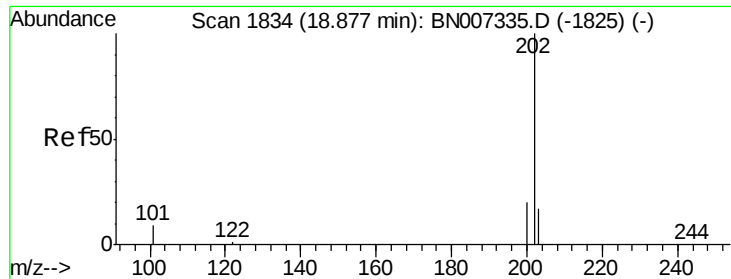


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

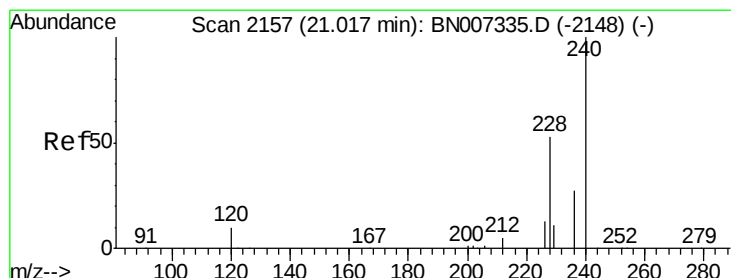
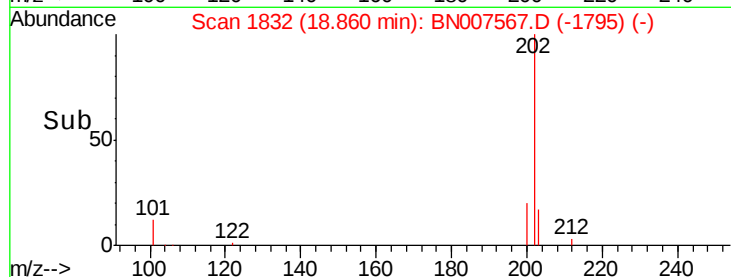
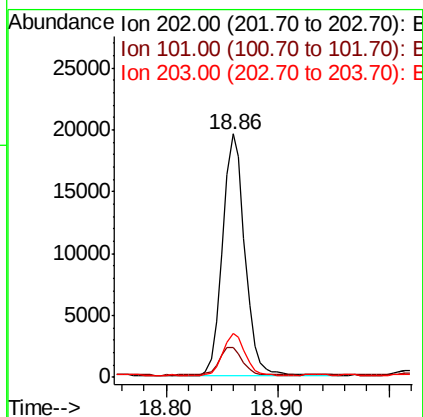
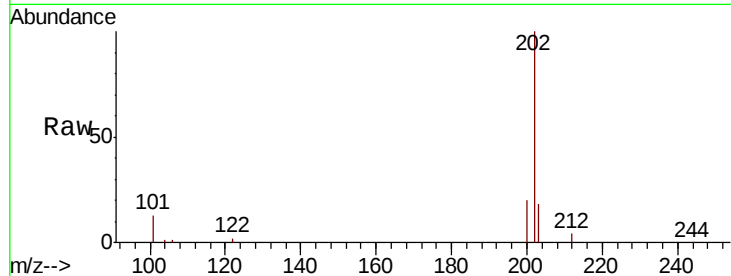




#26
 Fluoranthene
 Concen: 0.265 ng
 RT: 18.86 min Scan# 1832
 Delta R.T. -0.02 min
 Lab File: BN007567.D
 Acq: 09 Sep 2019 01:13

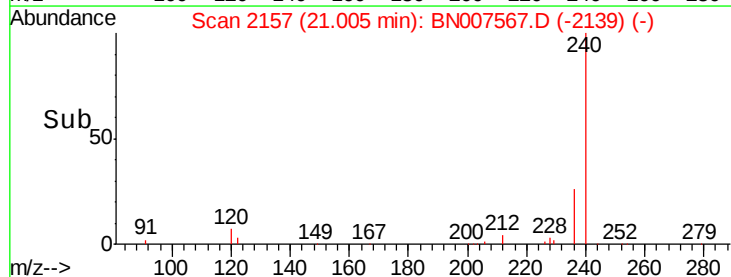
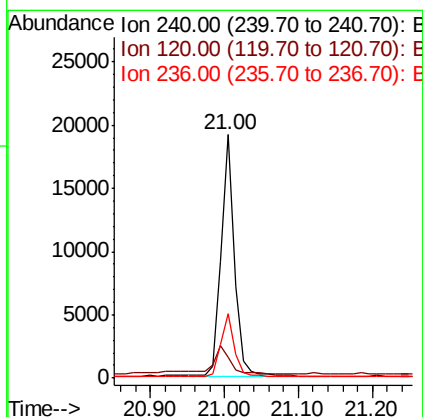
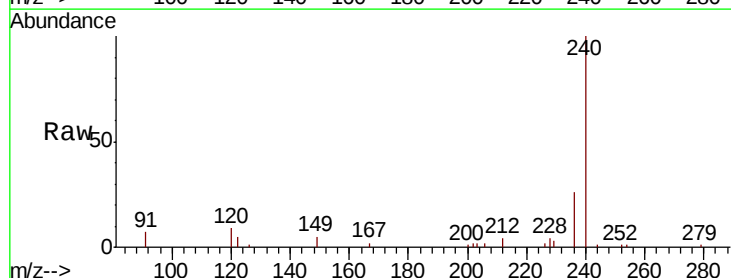
Instrument :
 BNA_N
 ClientSampleId :
 GW-807-45.0-50.0-090619

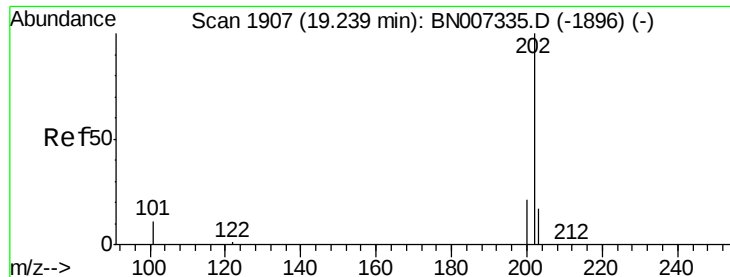
Tot Ion:202 Resp: 27415
 Ion Ratio Lower Upper
 202 100
 101 12.2 7.7 11.5#
 203 17.2 13.7 20.5



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.00 min Scan# 2157
 Delta R.T. -0.01 min
 Lab File: BN007567.D
 Acq: 09 Sep 2019 01:13

Tgt Ion:240 Resp: 24487
 Ion Ratio Lower Upper
 240 100
 120 8.7 9.6 14.4#
 236 26.4 22.2 33.2

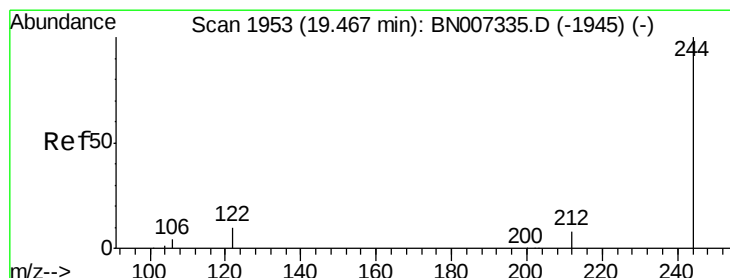
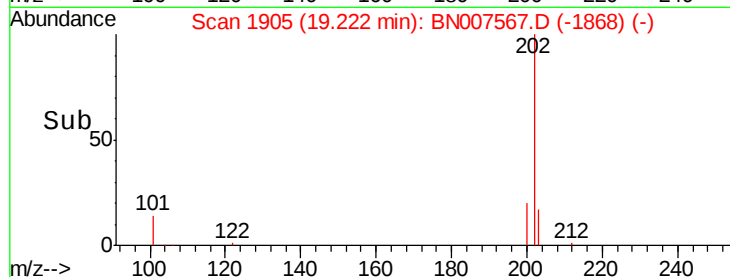
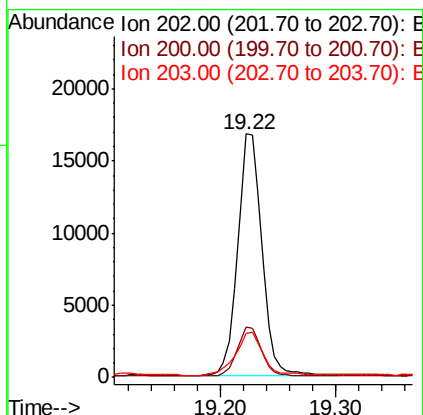
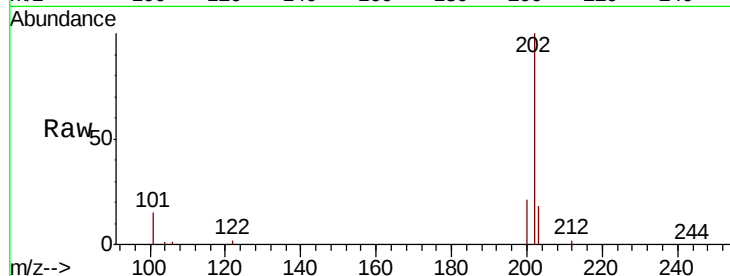




#28
Pvrene
Concen: 0.248 ng
RT: 19.22 min Scan# 1905
Delta R.T. -0.02 min
Lab File: BN007567.D
Acq: 09 Sep 2019 01:13

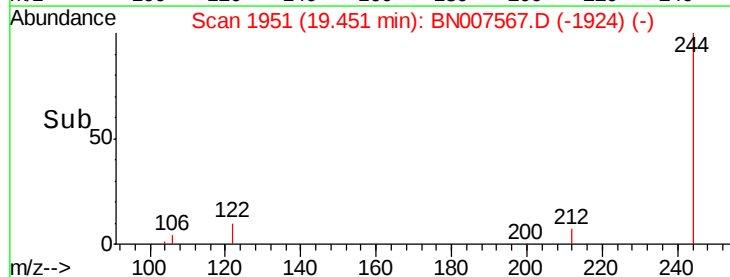
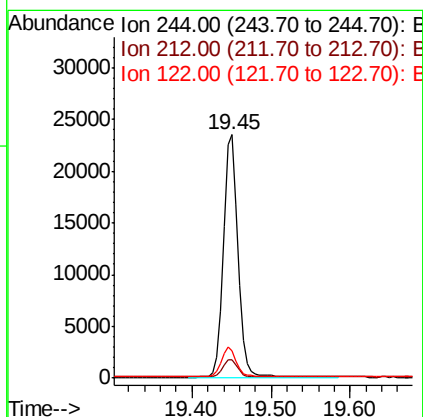
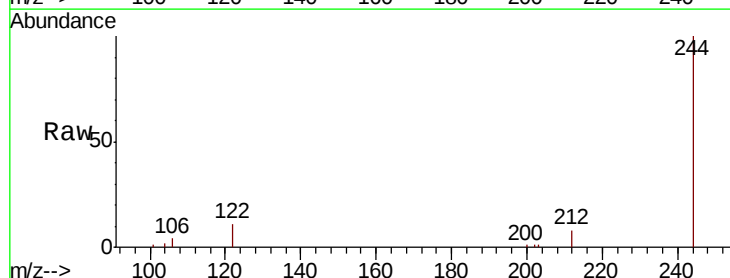
Instrument :
BNA_N
ClientSampleId :
GW-807-45.0-50.0-090619

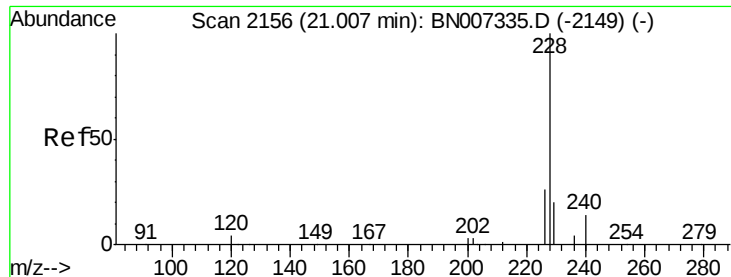
Tot Ion:202 Resp: 24409
Ion Ratio Lower Upper
202 100
200 20.4 16.6 25.0
203 20.0 14.2 21.4



#29
Terphenyl-d14
Concen: 0.481 ng
RT: 19.45 min Scan# 1951
Delta R.T. -0.02 min
Lab File: BN007567.D
Acq: 09 Sep 2019 01:13

Tgt Ion:244 Resp: 30833
Ion Ratio Lower Upper
244 100
212 7.7 7.0 10.6
122 11.2 9.6 14.4





#30

Benzo(a)anthracene

Concen: 0.035 ng

RT: 20.98 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

Instrument :

BNA_N

ClientSampleId :

GW-807-45.0-50.0-090619

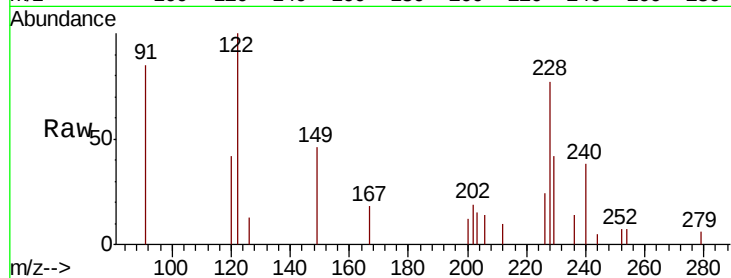
Tot Ion:228 Resp: 3408

Ion Ratio Lower Upper

228 100

226 30.7 21.3 31.9

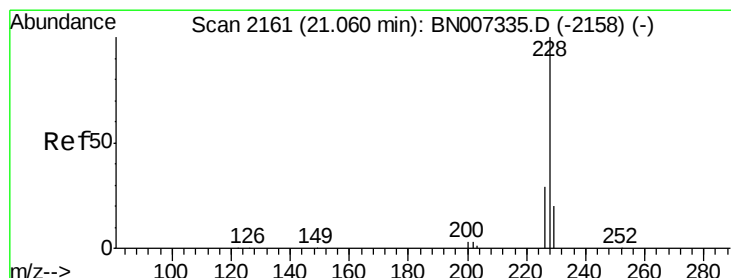
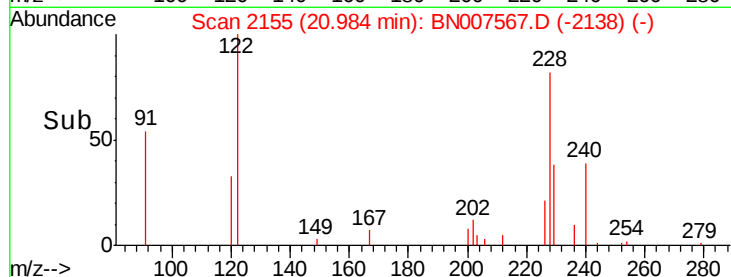
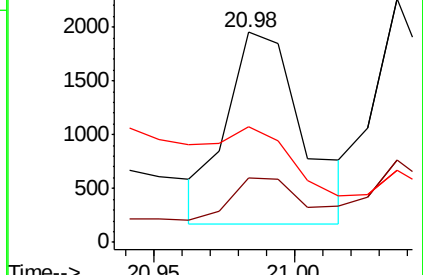
229 55.1 16.1 24.1#



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: 0.032 ng

RT: 21.04 min Scan# 2160

Delta R.T. -0.02 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

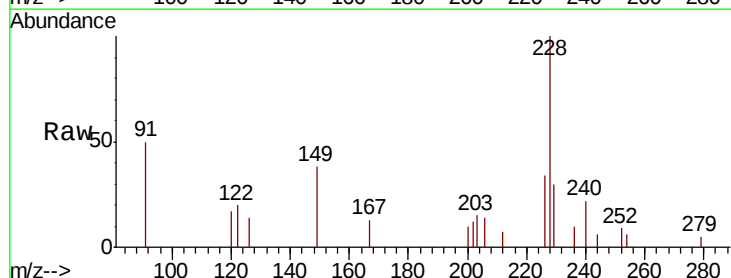
Tgt Ion:228 Resp: 2982

Ion Ratio Lower Upper

228 100

226 33.8 23.5 35.3

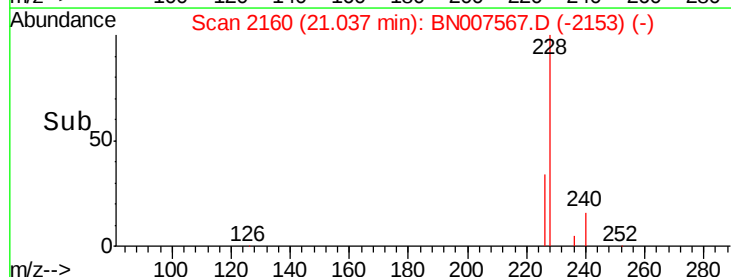
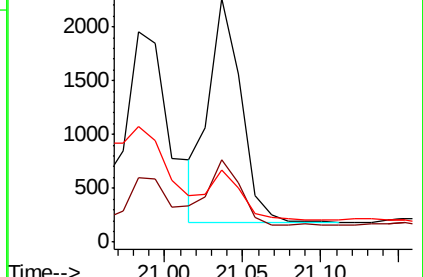
229 29.7 16.6 24.8#

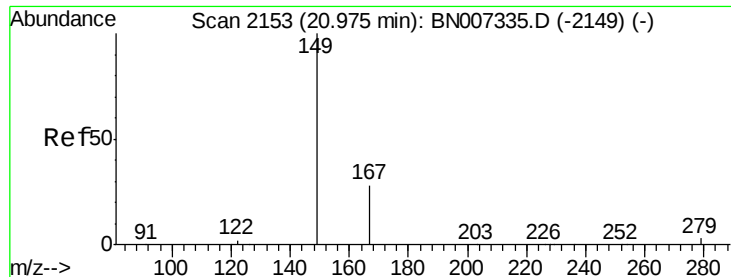


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

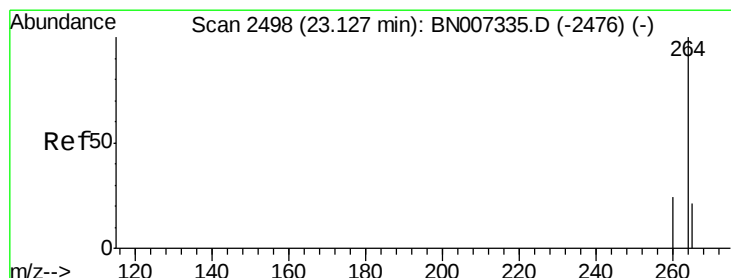
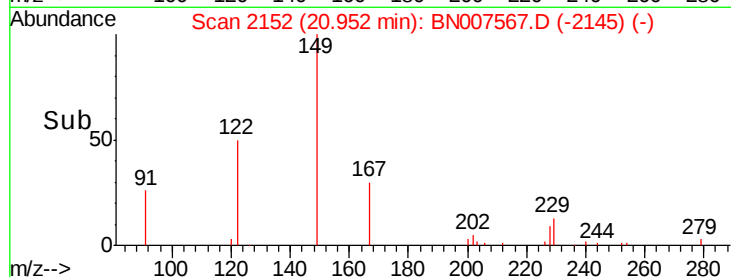
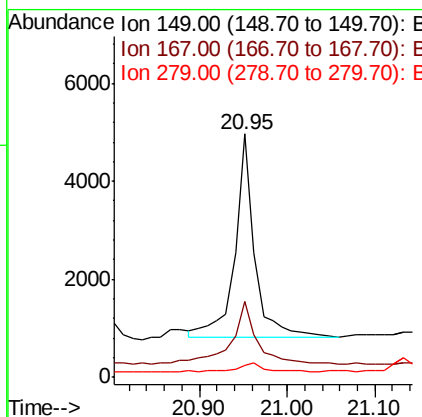
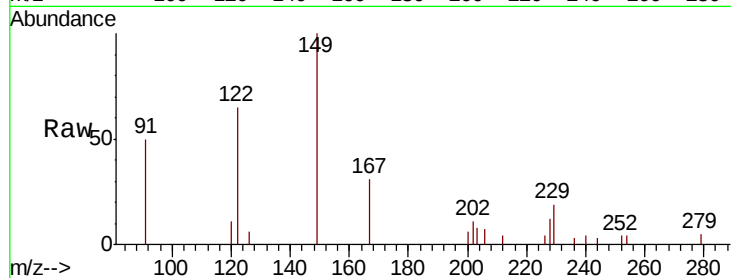




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.084 ng
 RT: 20.95 min Scan# 2152
 Delta R.T. -0.02 min
 Lab File: BN007567.D
 Acq: 09 Sep 2019 01:13

Instrument :
 BNA_N
 ClientSampleId :
 GW-807-45.0-50.0-090619

Tot Ion:149 Resp: 6409
 Ion Ratio Lower Upper
 149 100
 167 40.8 22.8 34.2#
 279 5.0 3.5 5.3



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.10 min Scan# 2492
 Delta R.T. -0.03 min
 Lab File: BN007567.D
 Acq: 09 Sep 2019 01:13

Tgt Ion:264 Resp: 25995
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.7 29.5
 265 30.1 29.9 44.9

