

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 :

Quant Time: Sep 09 04:48:36 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

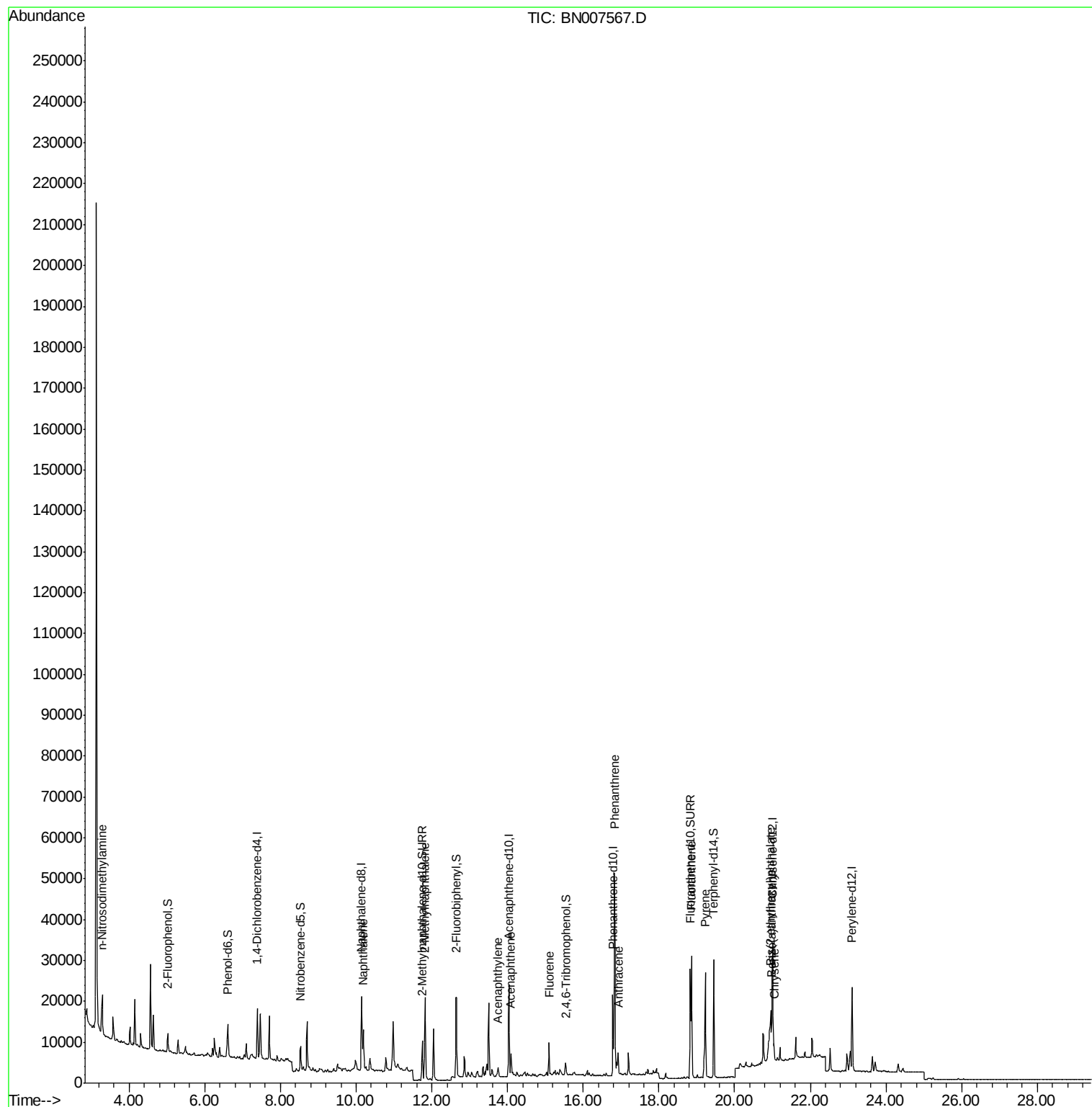
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.29	42	1058	0.225	ng	# 1
9) Naphthalene	10.19	128	13124	0.187	ng	# 92
12) 2-Methylnaphthalene	11.82	142	15959	0.334	ng	96
16) Acenaphthylene	13.75	152	1970	0.026	ng	# 91
17) Acenaphthene	14.09	154	2916	0.065	ng	96
18) Fluorene	15.09	166	5103	0.090	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) Pylene	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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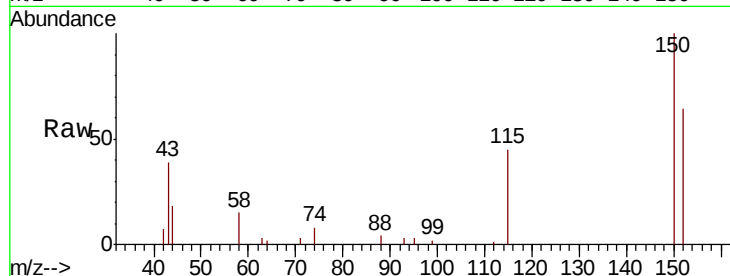


#1

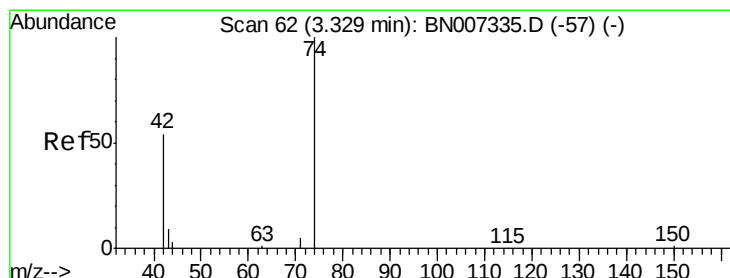
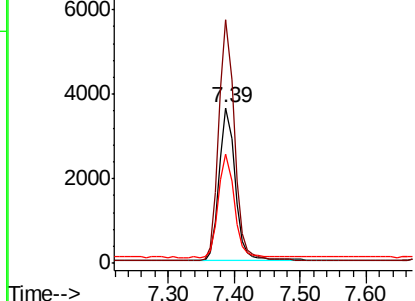
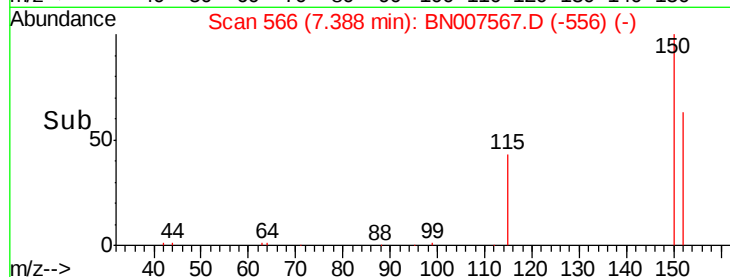
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 566
Delta R.T. -0.02 min
Lab File: BN007567.D
Acq: 09 Sep 2019 01:13

Instrument :
BNA_N
ClientSampleId :

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



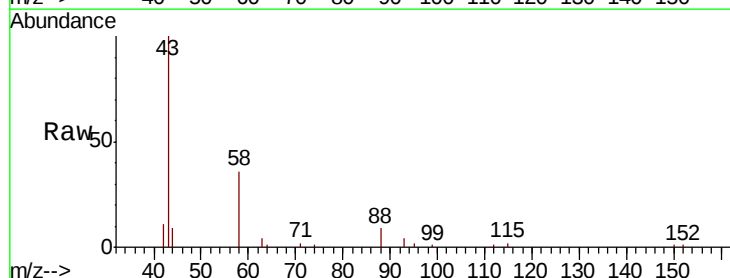
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



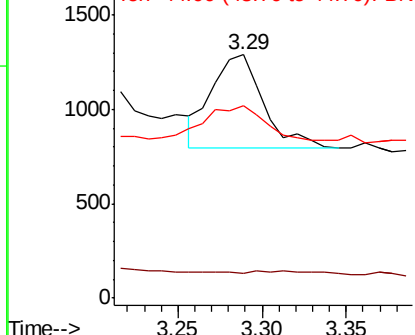
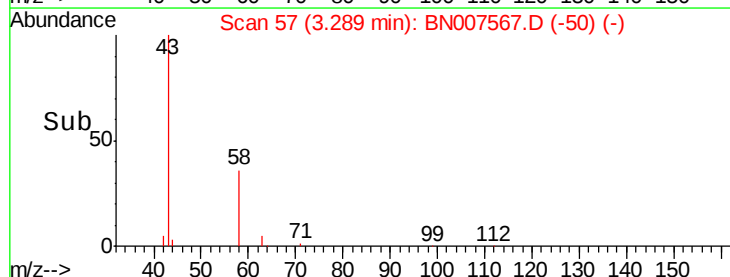
#3

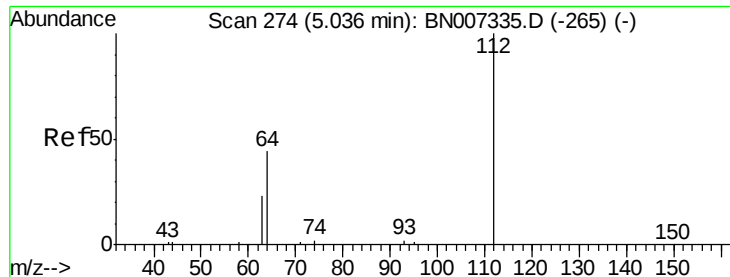
n-Nitrosodimethylamine
Concen: 0.225 ng
RT: 3.29 min Scan# 57
Delta R.T. -0.04 min
Lab File: BN007567.D
Acq: 09 Sep 2019 01:13

Tgt Ion: 42 Resp: 1058
Ion Ratio Lower Upper
42 100
74 0.0 144.7 217.1#
44 43.1 3.2 4.8#



Abundance Ion 42.00 (41.70 to 42.70): BNC
Ion 74.00 (73.70 to 74.70): BNC
Ion 44.00 (43.70 to 44.70): BNC





#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

Instrument :

BNA_N

ClientSampleId :

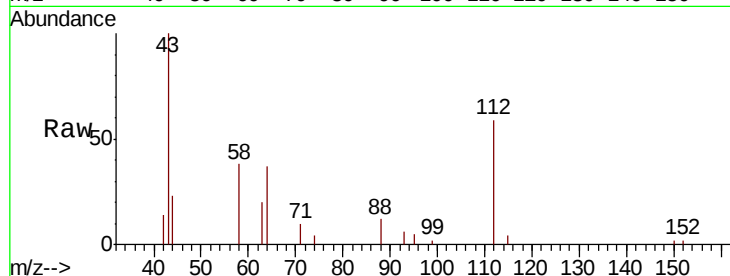
Tot Ion: 112 Resp: 3756

Ion Ratio Lower Upper

112 100

64 57.6 42.3 63.5

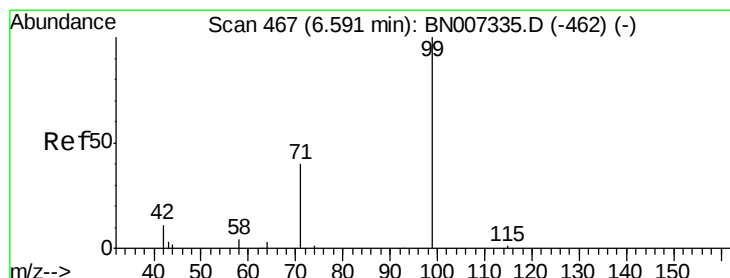
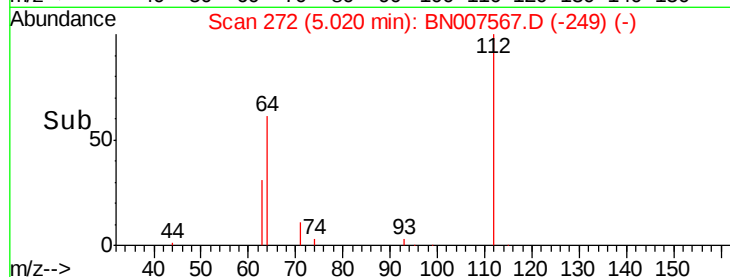
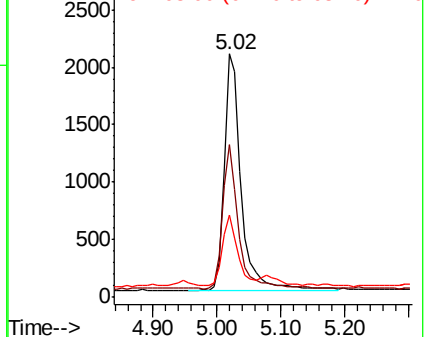
63 27.0 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): BNC

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

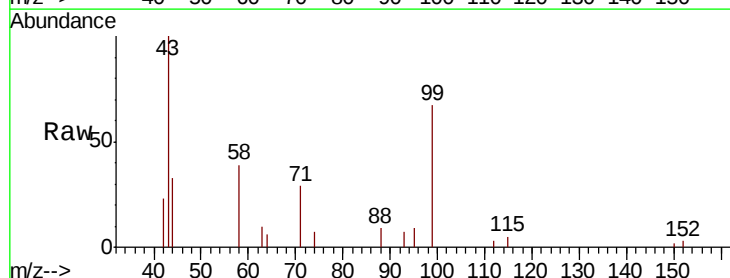
Tgt Ion: 99 Resp: 3227

Ion Ratio Lower Upper

99 100

42 24.0 11.2 16.8#

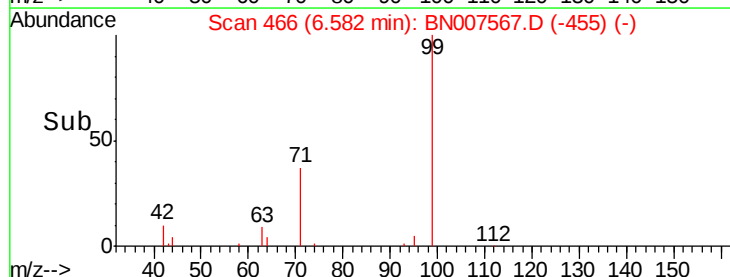
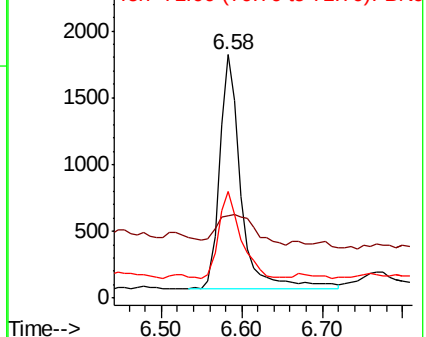
71 38.8 31.8 47.8

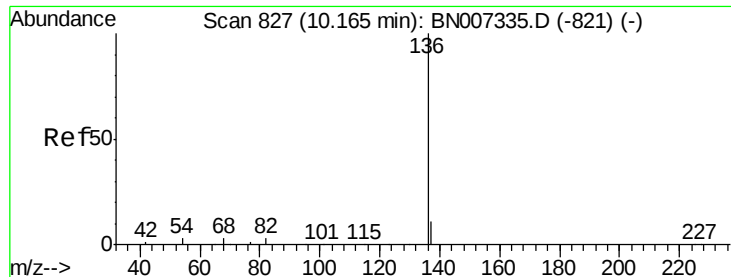


Abundance Ion 99.00 (98.70 to 99.70): BNC

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: 10.14 min Scan# 825

Delta R.T. -0.03 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 24523

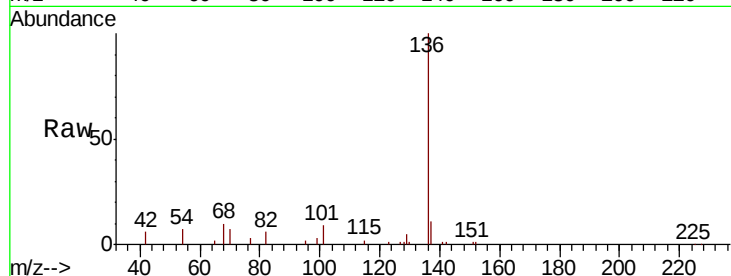
Ion Ratio Lower Upper

136 100

137 11.3 12.9 19.3#

54 7.5 8.6 12.8#

68 9.8 17.0 25.4#

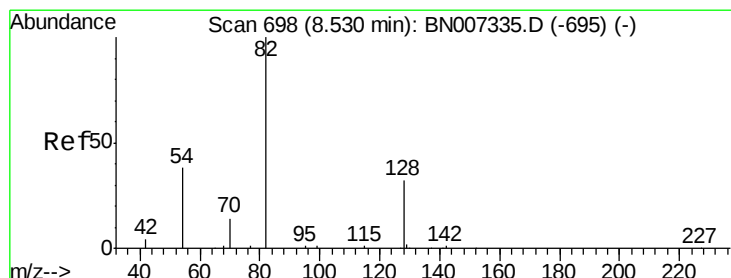
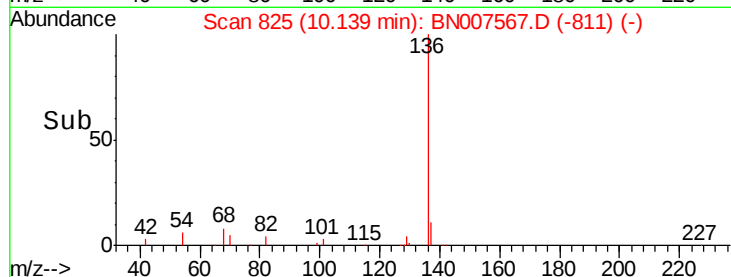
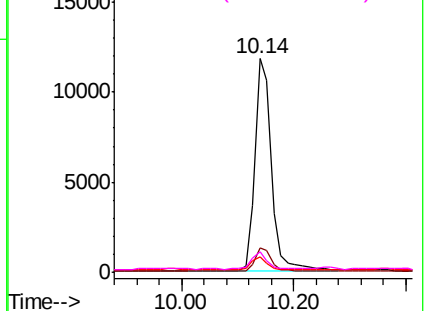


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.348 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

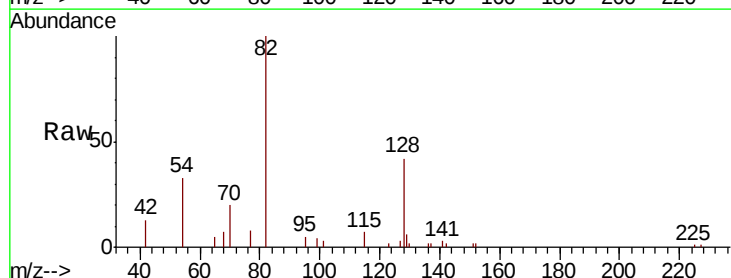
Tgt Ion: 82 Resp: 7435

Ion Ratio Lower Upper

82 100

128 42.3 19.7 29.5#

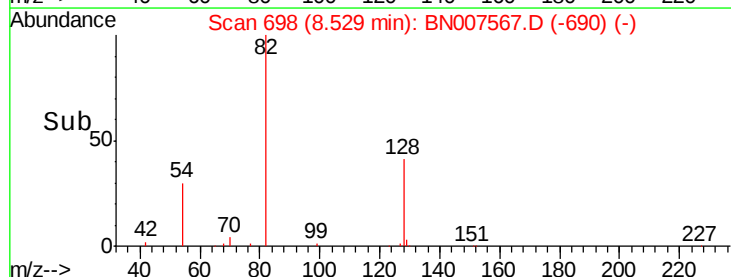
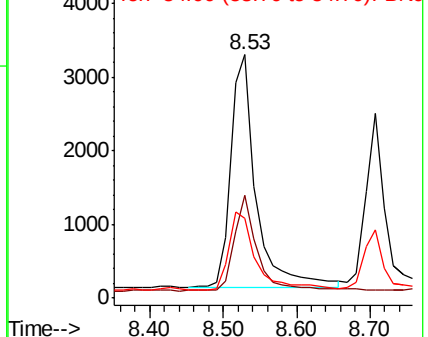
54 32.6 25.8 38.6

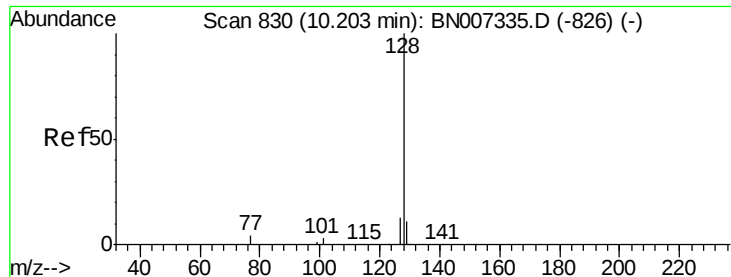


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#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

Instrument :

BNA_N

ClientSampleId :

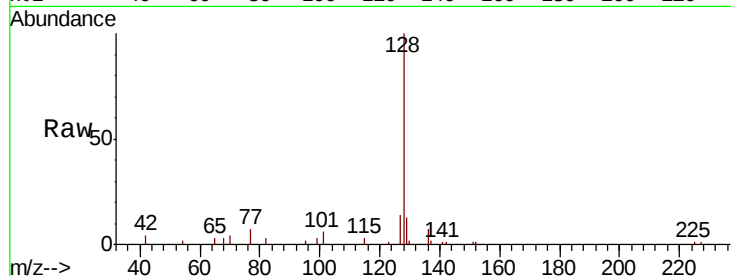
Tot Ion:128 Resp: 13124

Ion Ratio Lower Upper

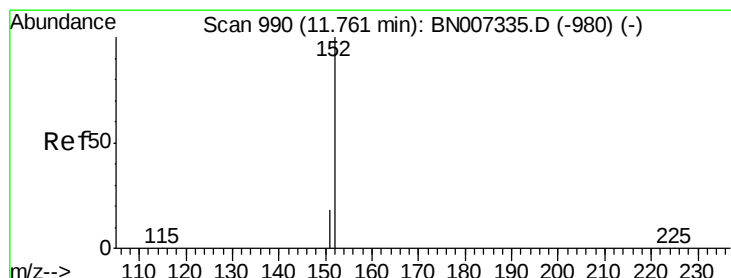
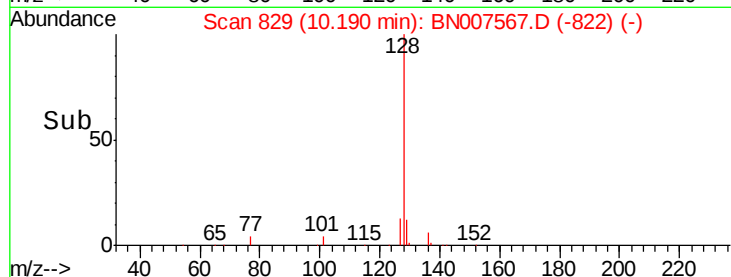
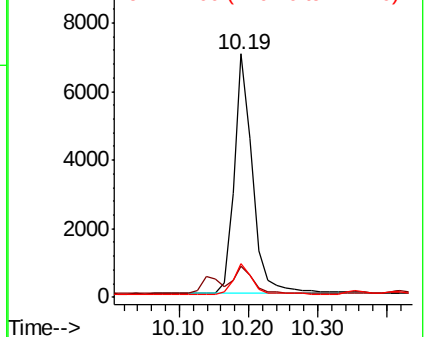
128 100

129 13.0 11.1 16.7

127 14.0 15.5 23.3#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.374 ng

RT: 11.74 min Scan# 986

Delta R.T. -0.02 min

Lab File: BN007567.D

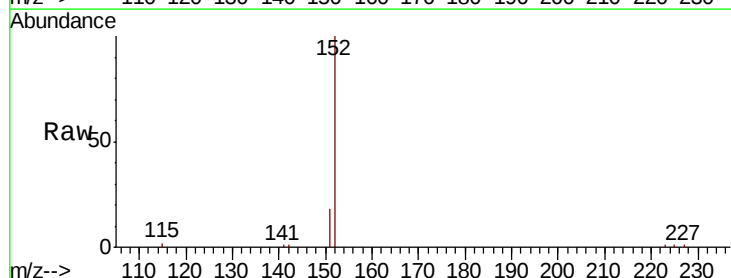
Acq: 09 Sep 2019 01:13

Tgt Ion:152 Resp: 15259

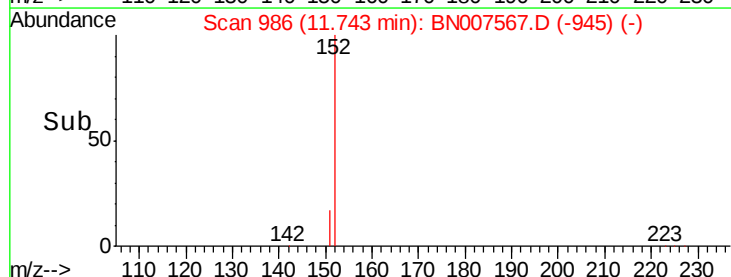
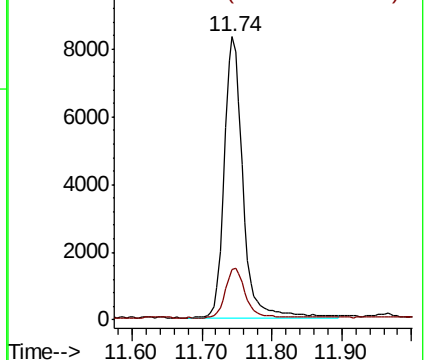
Ion Ratio Lower Upper

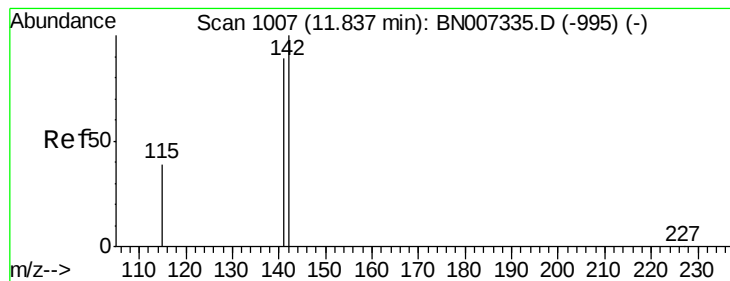
152 100

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





#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

Instrument :

BNA_N

ClientSampleId :

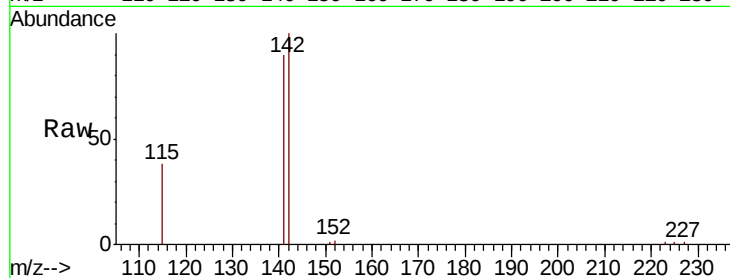
Tot Ion:142 Resp: 15959

Ion Ratio Lower Upper

142 100

141 89.6 72.8 109.2

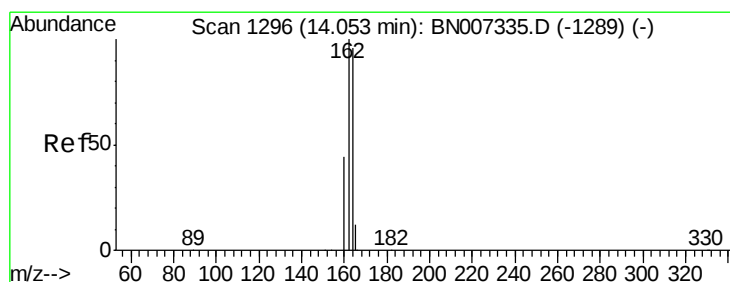
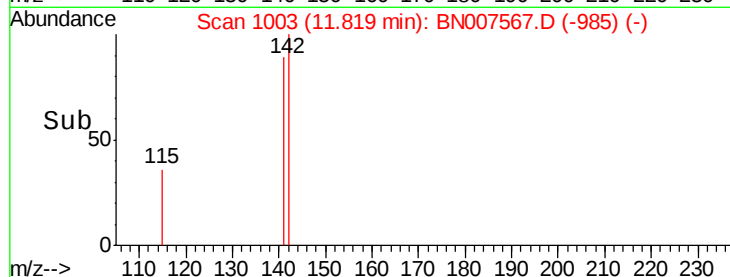
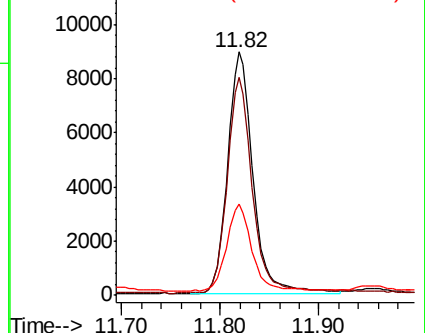
115 37.7 35.2 52.8



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



#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

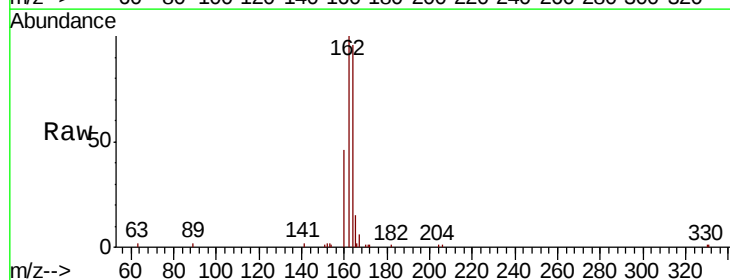
Tgt Ion:164 Resp: 12896

Ion Ratio Lower Upper

164 100

162 103.7 83.5 125.3

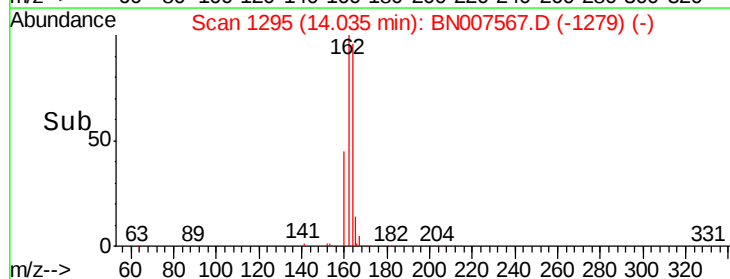
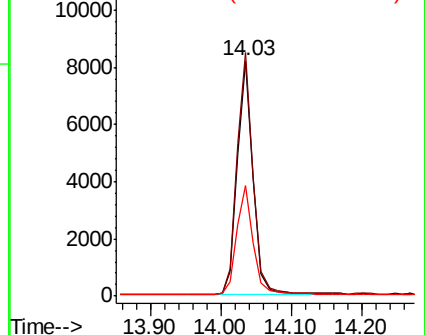
160 47.2 38.2 57.4

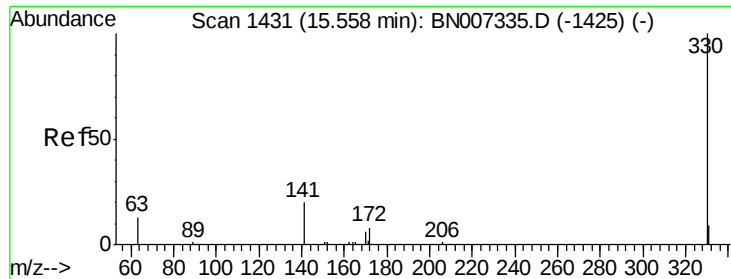


Abundance Ion 164.00 (163.70 to 164.70): E

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

Instrument :

BNA_N

ClientSampleId :

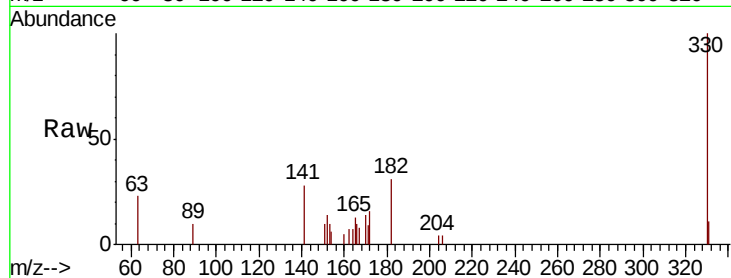
Tot Ion:330 Resp: 2458

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

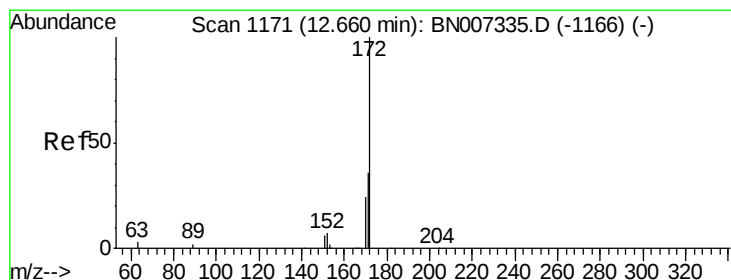
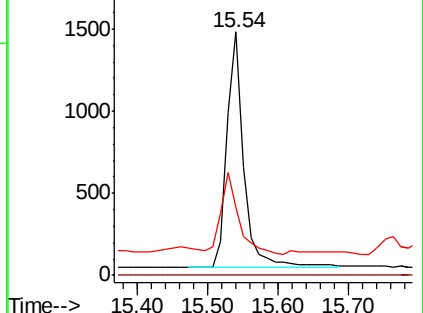
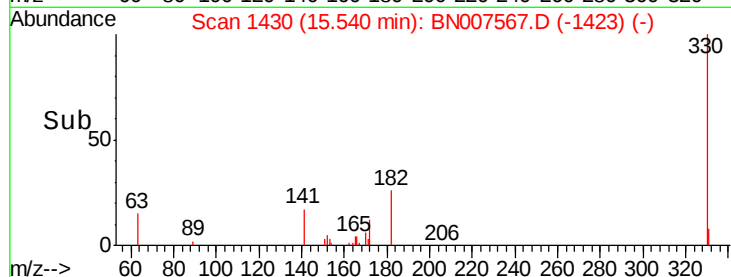
141 35.3 26.9 40.3



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

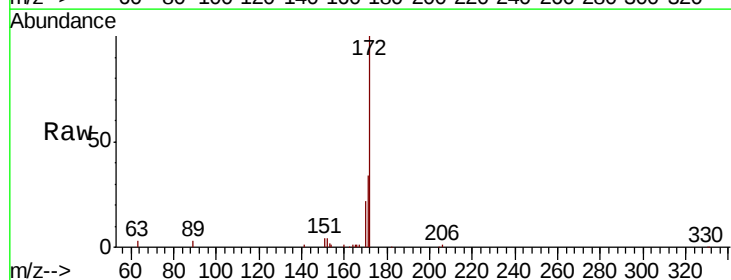
Tgt Ion:172 Resp: 21106

Ion Ratio Lower Upper

172 100

171 34.4 30.3 45.5

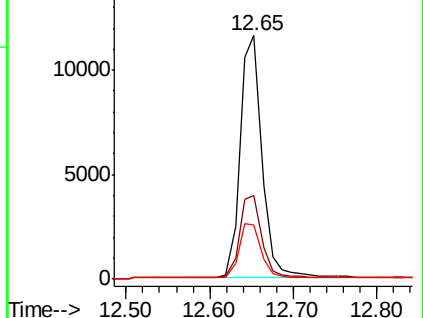
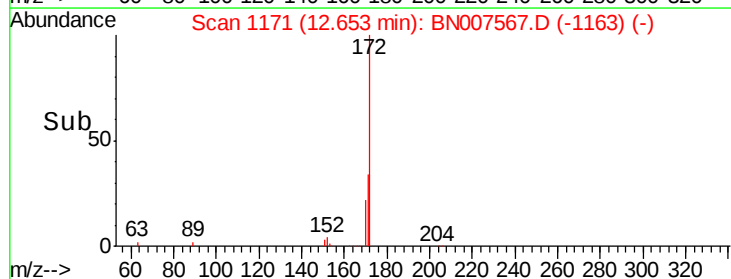
170 22.0 20.7 31.1

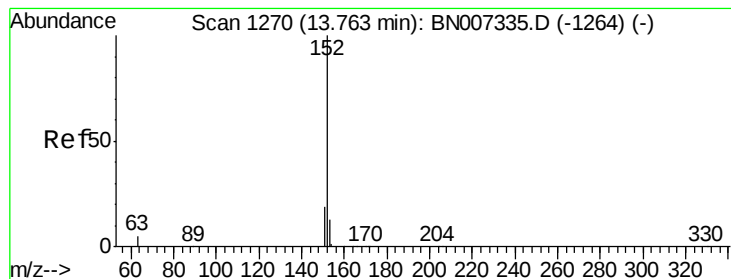


Abundance Ion 172.00 (171.70 to 172.70): E

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

Instrument :

BNA_N

ClientSampleId :

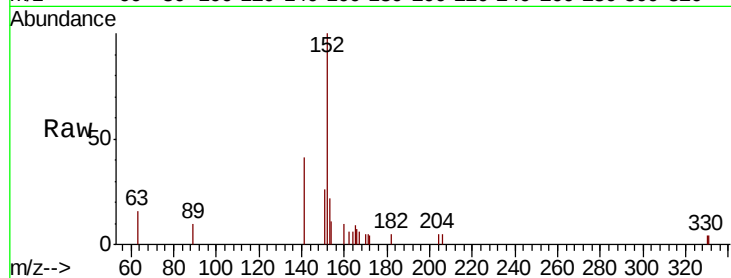
Tot Ion:152 Resp: 1970

Ion Ratio Lower Upper

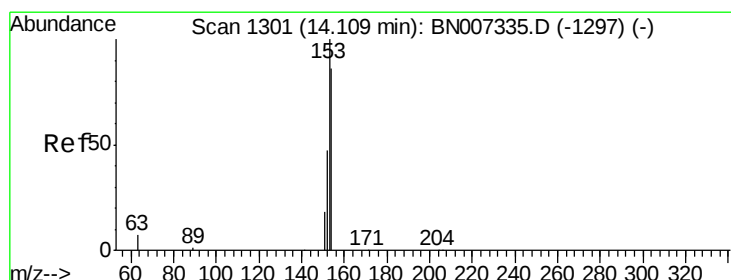
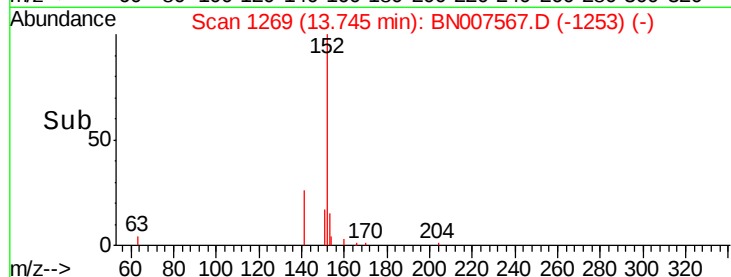
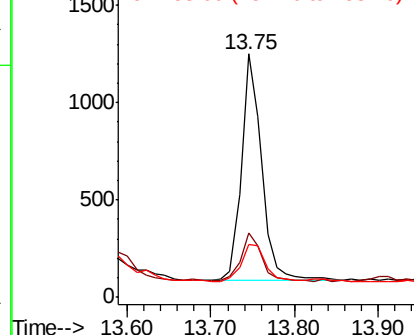
152 100

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

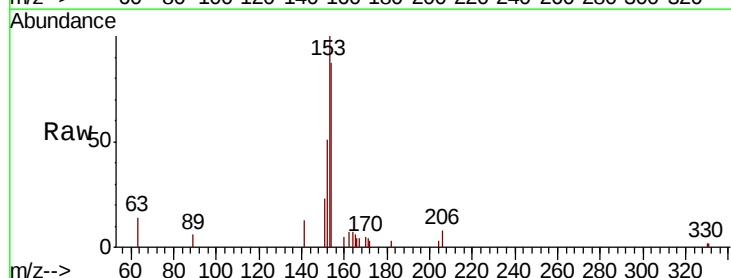
Tgt Ion:154 Resp: 2916

Ion Ratio Lower Upper

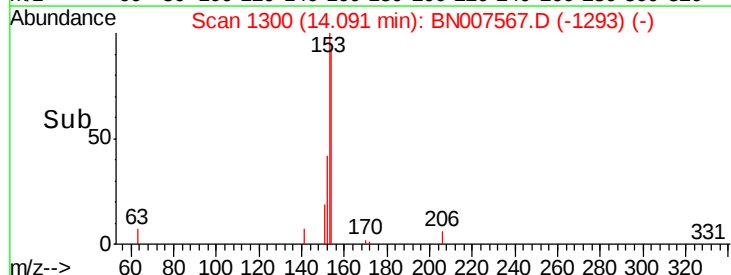
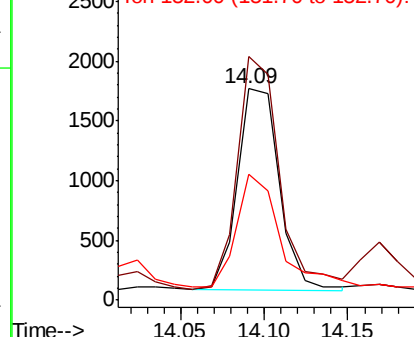
154 100

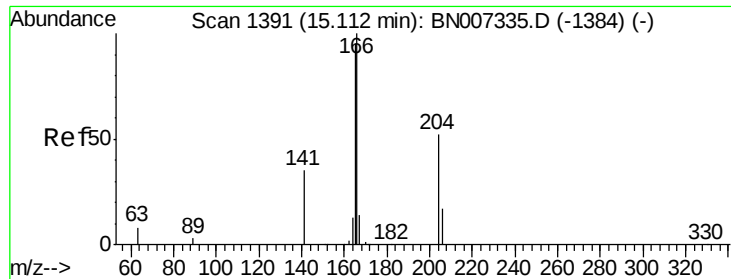
153 117.2 92.8 139.2

152 62.1 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: 0.090 ng

RT: 15.09 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

Instrument :

BNA_N

ClientSampleId :

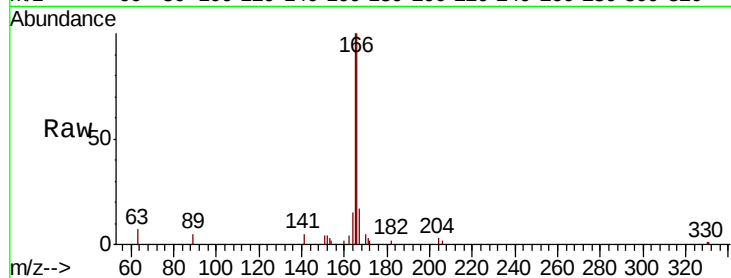
Tot Ion:166 Resp: 5103

Ion Ratio Lower Upper

166 100

165 99.4 79.0 118.4

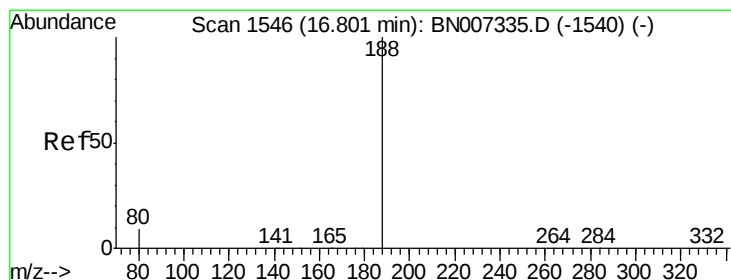
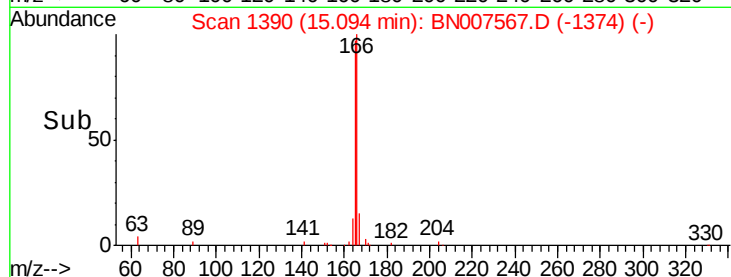
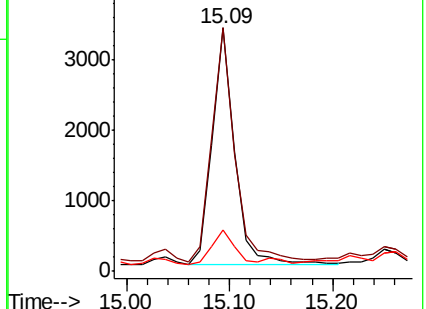
167 15.0 10.6 15.8



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: 16.78 min Scan# 1545

Delta R.T. -0.02 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

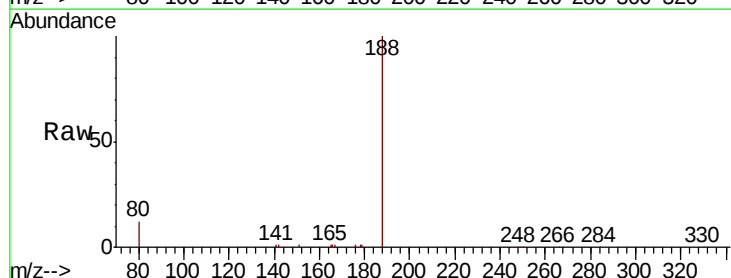
Tgt Ion:188 Resp: 26785

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

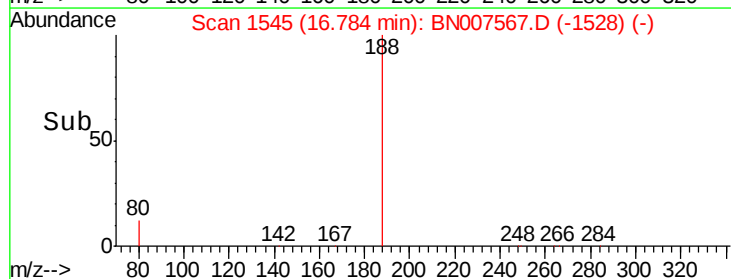
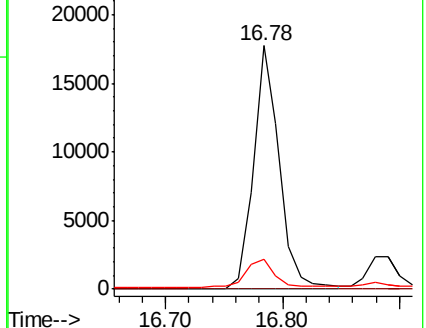
80 12.4 11.8 17.8

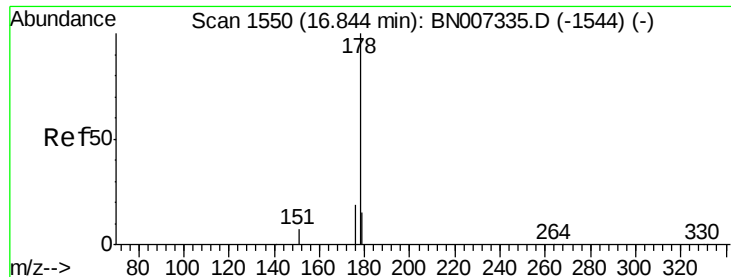


Abundance Ion 188.00 (187.70 to 188.70): E

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

Instrument :

BNA_N

ClientSampleId :

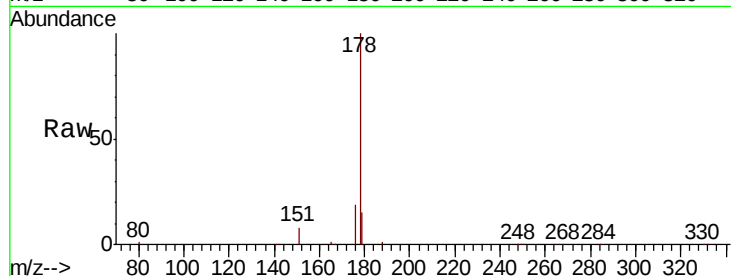
Tot Ion:178 Resp: 52418

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

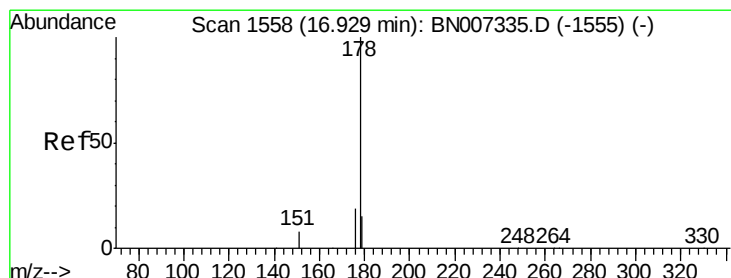
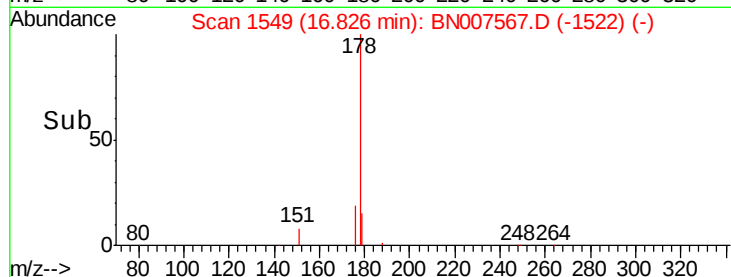
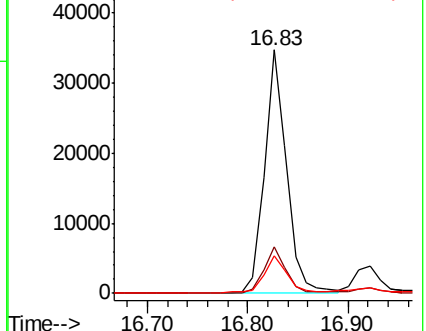
179 15.4 12.6 19.0



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

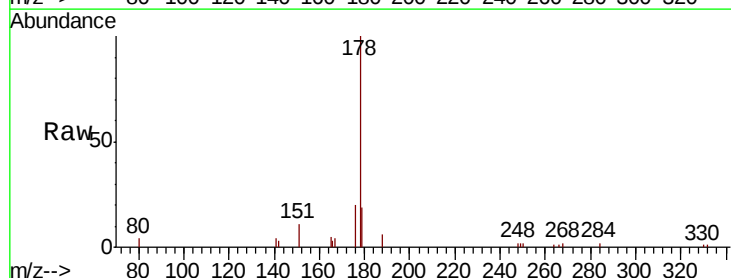
Tgt Ion:178 Resp: 6929

Ion Ratio Lower Upper

178 100

176 18.1 14.9 22.3

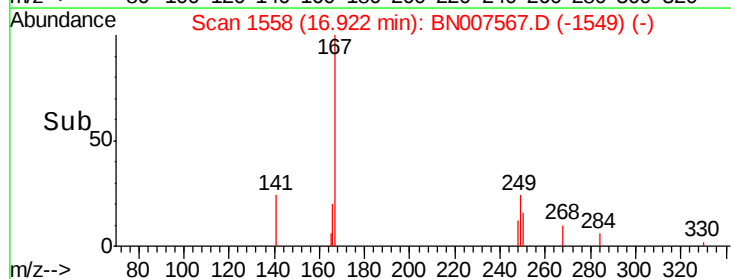
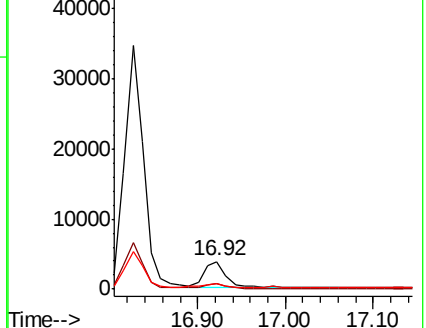
179 17.2 12.4 18.6

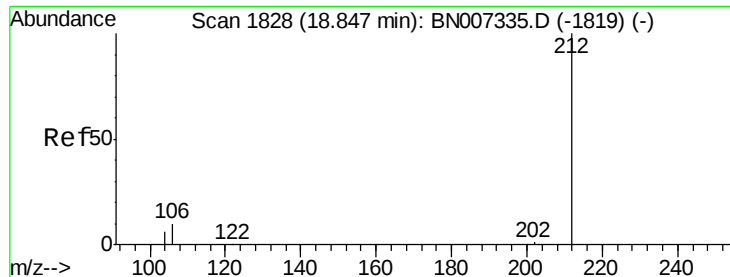


Abundance Ion 178.00 (177.70 to 178.70): E

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

Instrument :

BNA_N

ClientSampleId :

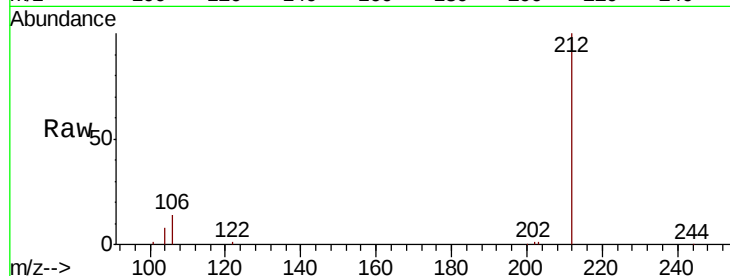
Tot Ion:212 Resp: 31627

Ion Ratio Lower Upper

212 100

106 13.8 9.0 13.4#

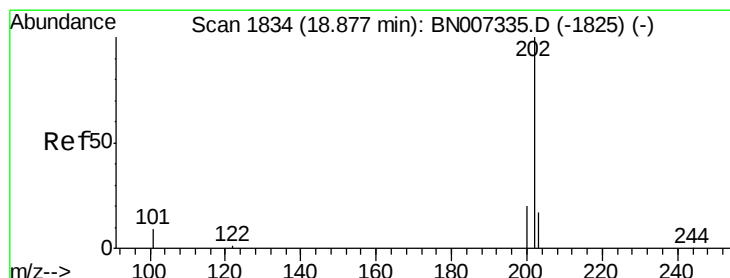
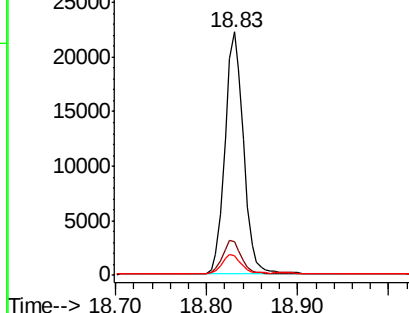
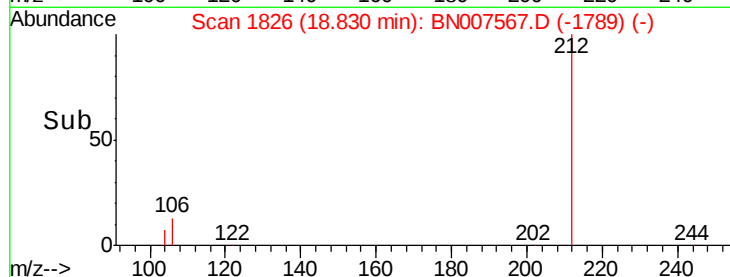
104 7.7 5.4 8.2



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

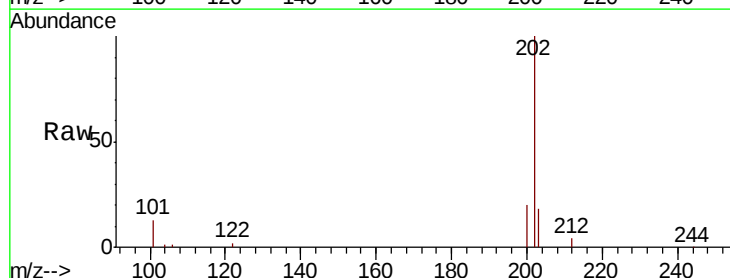
Tgt Ion:202 Resp: 27415

Ion Ratio Lower Upper

202 100

101 12.2 7.7 11.5#

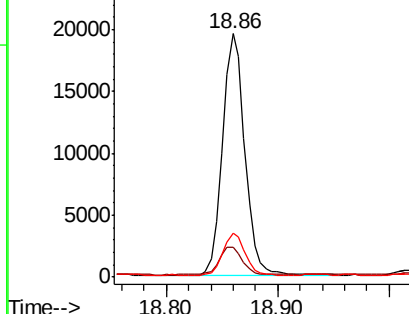
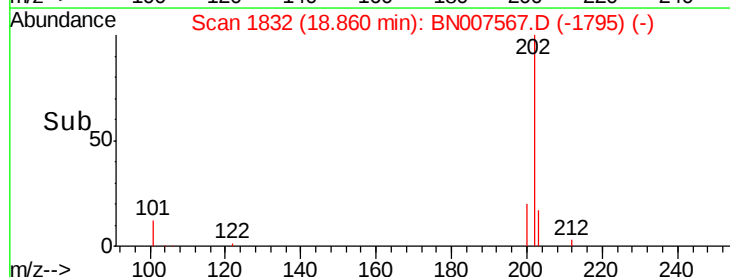
203 17.2 13.7 20.5

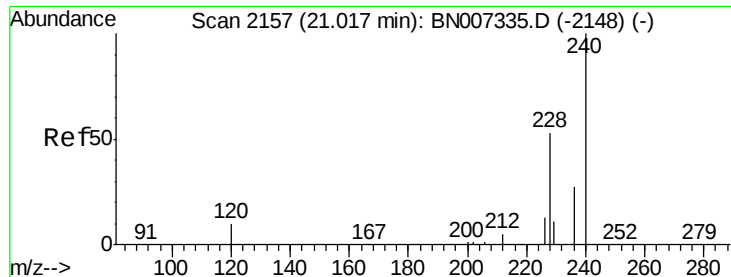


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

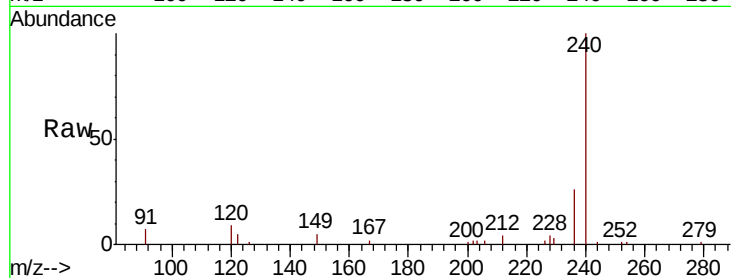




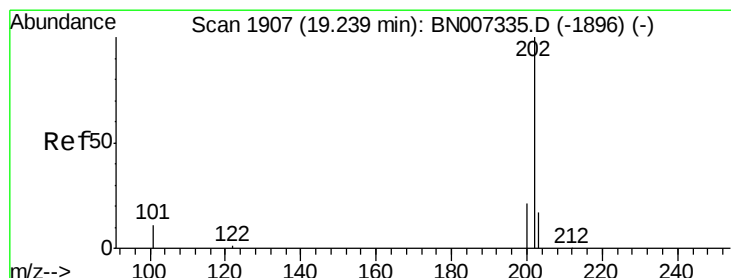
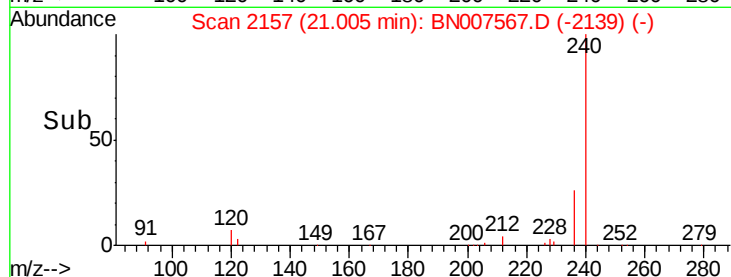
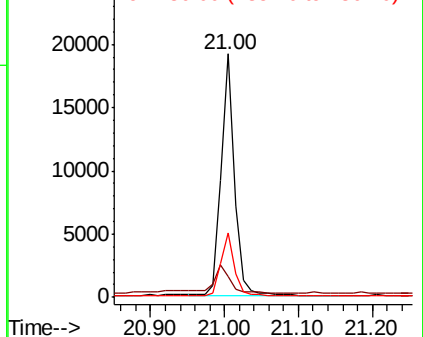
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BN007567.D
Acq: 09 Sep 2019 01:13

Instrument :
BNA_N
ClientSampleId :

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

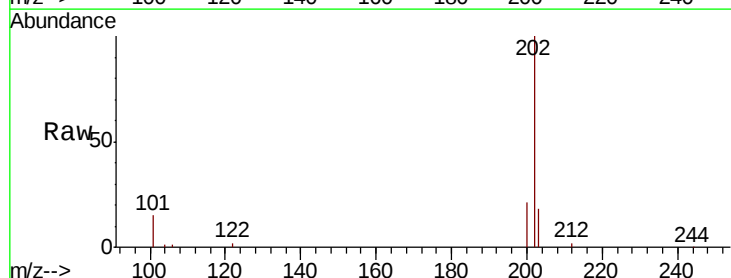


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

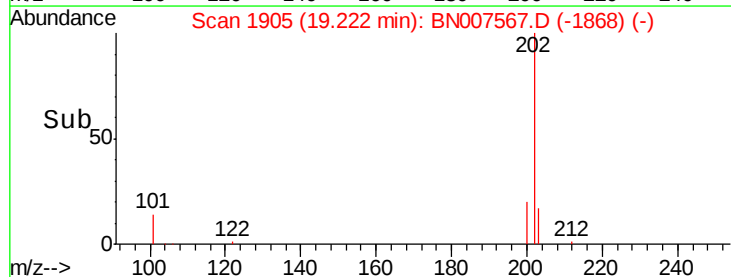
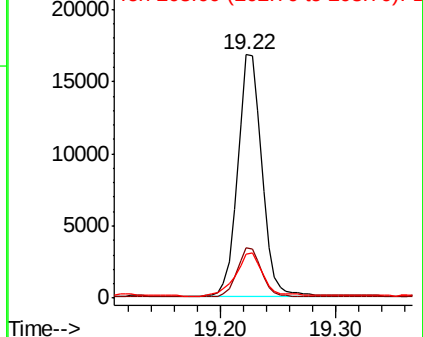


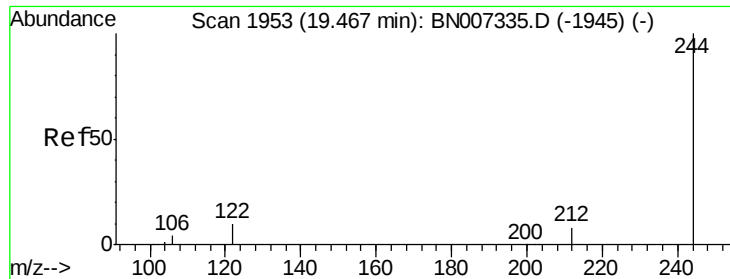
#28
Pyrene
Concen: 0.248 ng
RT: 19.22 min Scan# 1905
Delta R.T. -0.02 min
Lab File: BN007567.D
Acq: 09 Sep 2019 01:13

Tgt Ion:202 Resp: 24409
Ion Ratio Lower Upper
202 100
200 20.4 16.6 25.0
203 20.0 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: 0.481 ng

RT: 19.45 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

Instrument :

BNA_N

ClientSampleId :

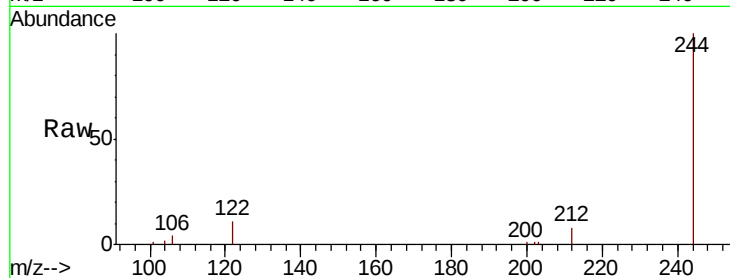
Tot Ion:244 Resp: 30833

Ion Ratio Lower Upper

244 100

212 7.7 7.0 10.6

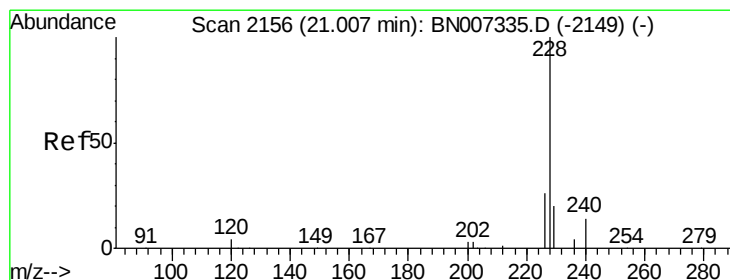
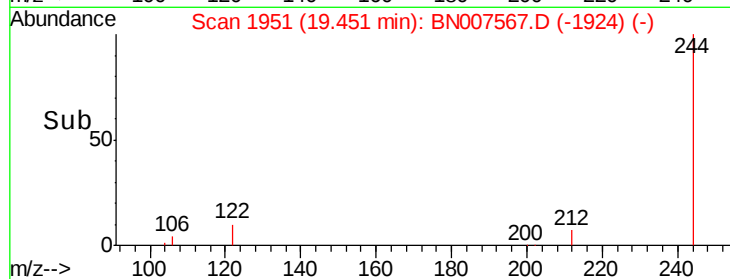
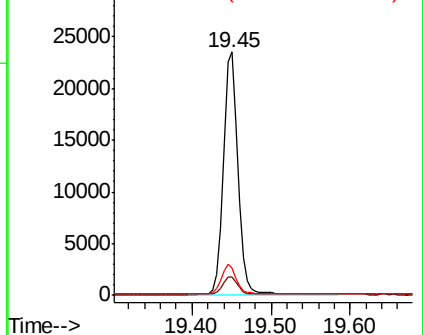
122 11.2 9.6 14.4



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: 0.035 ng

RT: 20.98 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

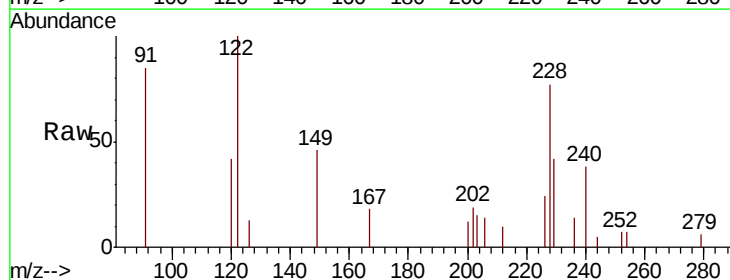
Tgt Ion:228 Resp: 3408

Ion Ratio Lower Upper

228 100

226 30.7 21.3 31.9

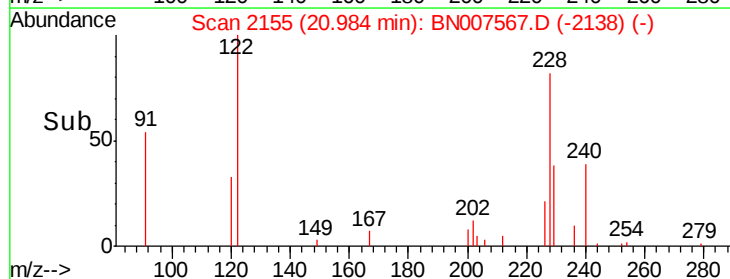
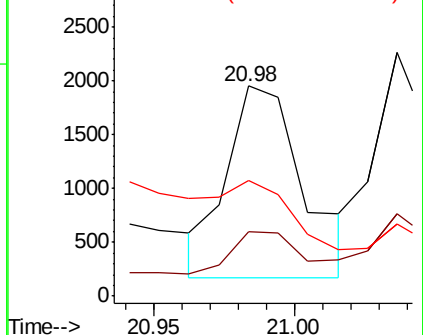
229 55.1 16.1 24.1#

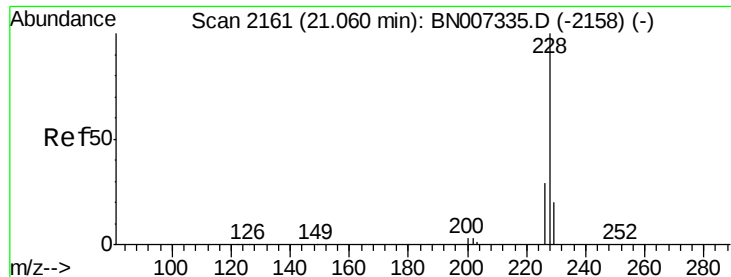


Abundance Ion 228.00 (227.70 to 228.70): E

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

Instrument :

BNA_N

ClientSampleId :

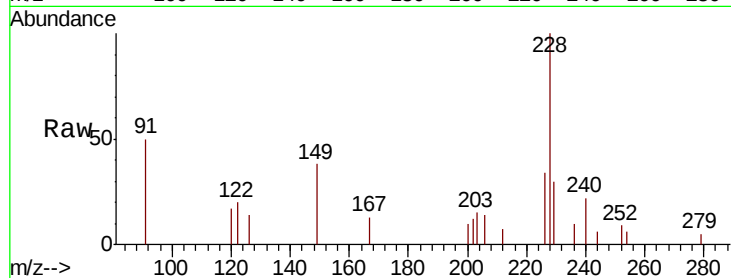
Tot Ion:228 Resp: 2982

Ion Ratio Lower Upper

228 100

226 33.8 23.5 35.3

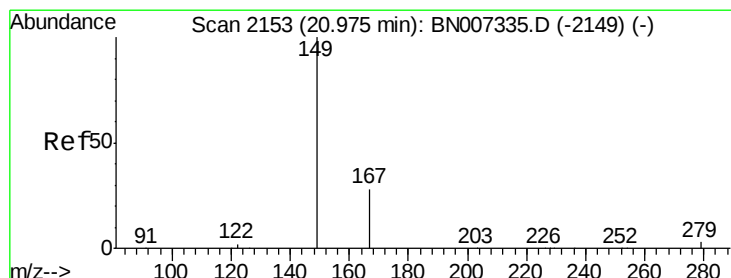
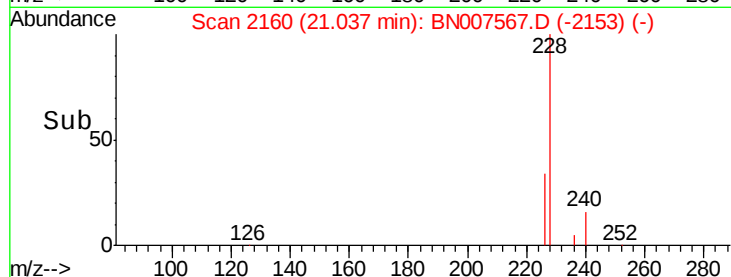
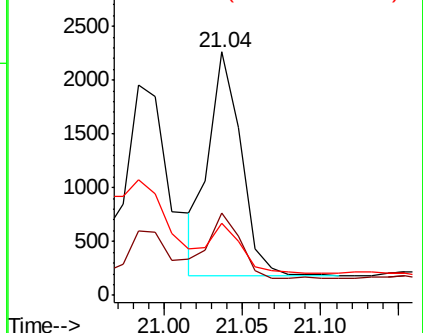
229 29.7 16.6 24.8#



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

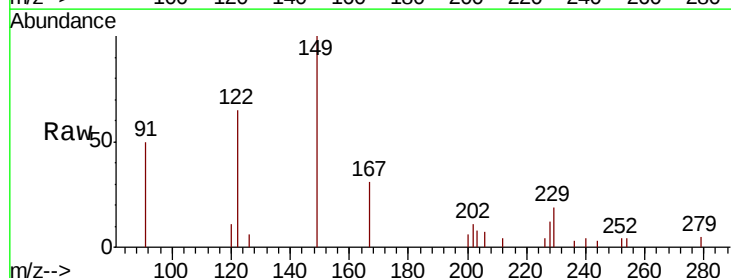
Tgt Ion:149 Resp: 6409

Ion Ratio Lower Upper

149 100

167 40.8 22.8 34.2#

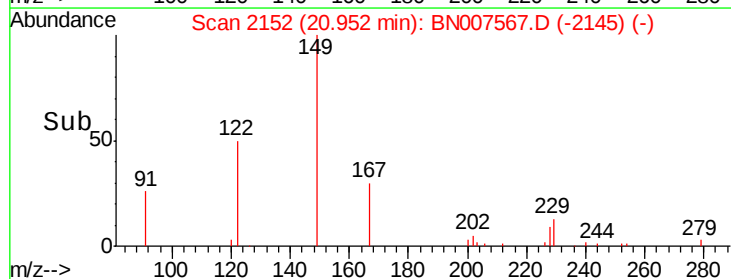
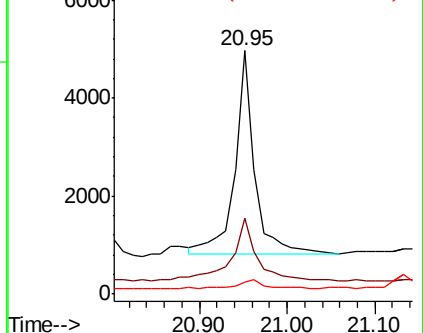
279 5.0 3.5 5.3

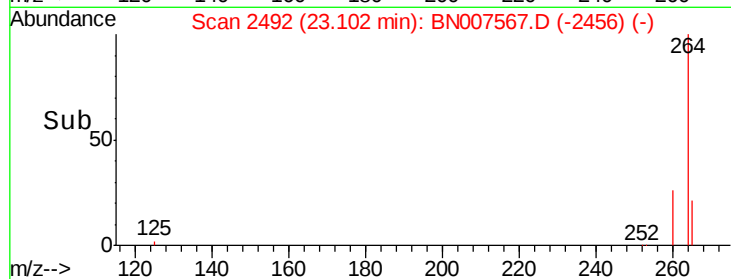
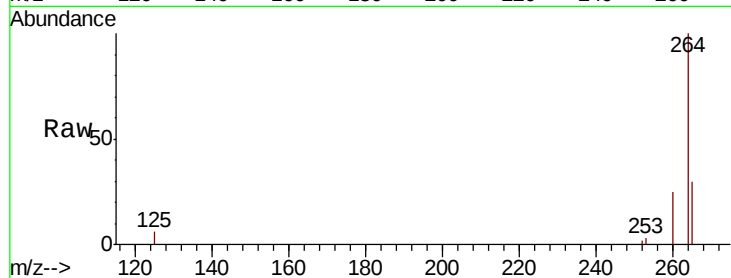
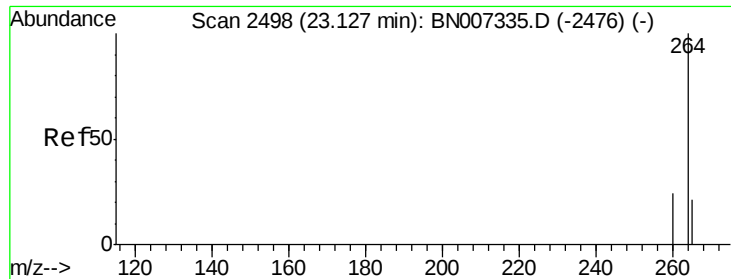


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.10 min Scan# 2492

Delta R.T. -0.03 min

Lab File: BN007567.D

Acq: 09 Sep 2019 01:13

Instrument :

BNA_N

ClientSampleId :

Tot Ion:264 Resp: 25995

Ion Ratio Lower Upper

264 100

260 24.8 19.7 29.5

265 30.1 29.9 44.9

