

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

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 11 17:00:27 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

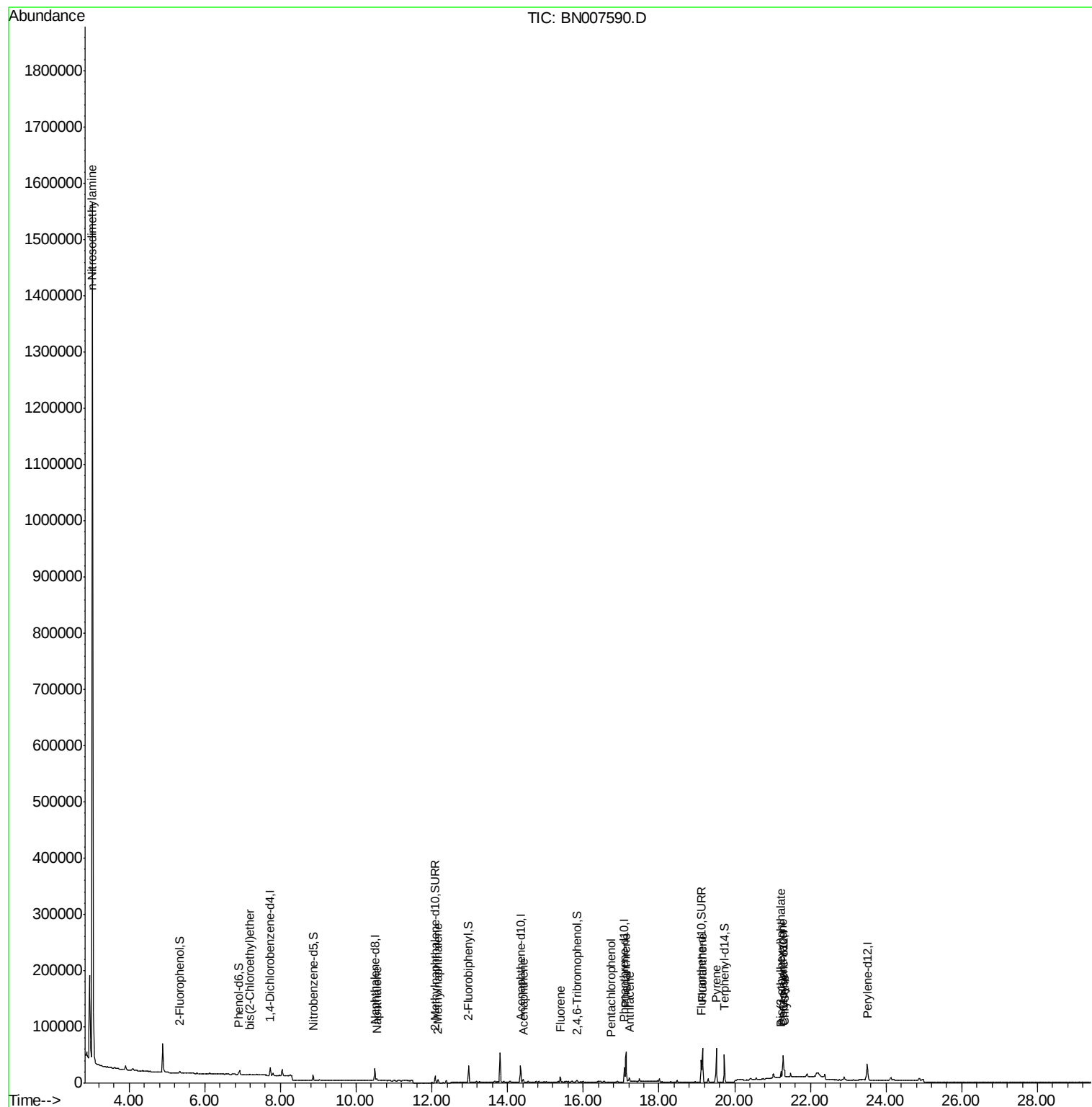
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.03	42	133205	33.020	ng	# 100
6) bis(2-Chloroethyl)ether	7.18	93	88	0.218	ng	# 1
9) Naphthalene	10.54	128	5383	0.071	ng	# 95
12) 2-Methylnaphthalene	12.16	142	4448	0.083	ng	98
17) Acenaphthene	14.41	154	2325	0.042	ng	93
18) Fluorene	15.39	166	5321	0.073	ng	98
22) Pentachlorophenol	16.75	266	35	0.208	ng	# 71
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) Pvrene	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

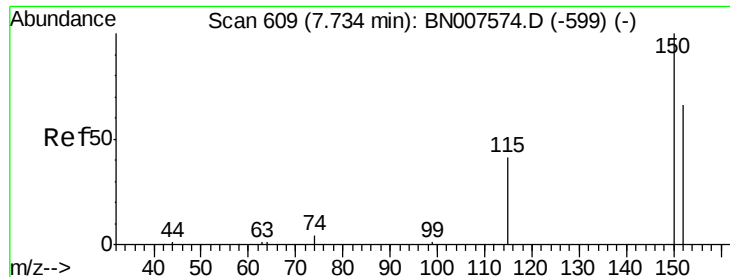
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_N
ClientSampleId :

Quant Time: Sep 11 17:00:27 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



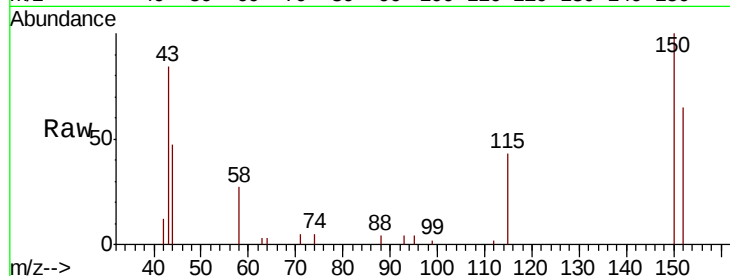


#1

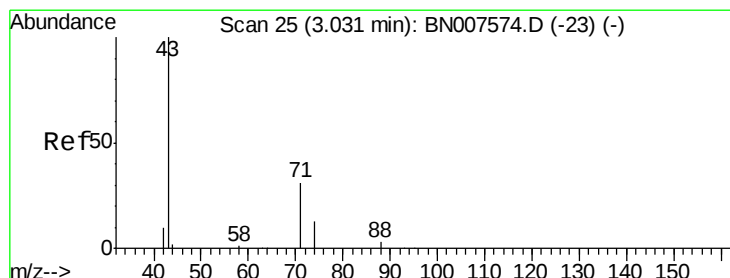
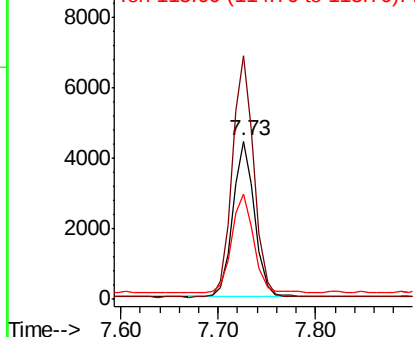
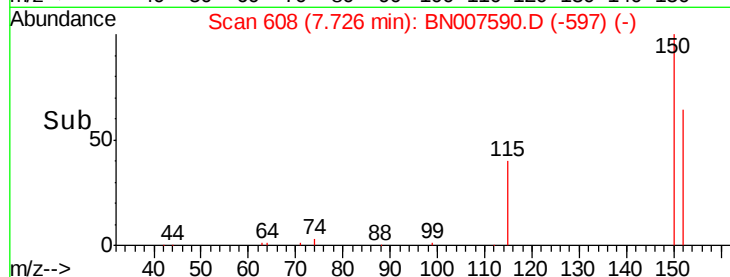
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 608
Delta R.T. -0.01 min
Lab File: BN007590.D
Acq: 11 Sep 2019 16:28

Instrument :
BNA_N
ClientSampleId :

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



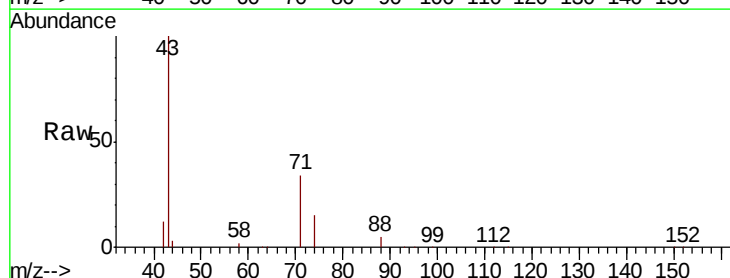
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



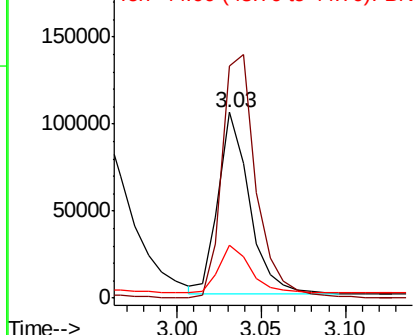
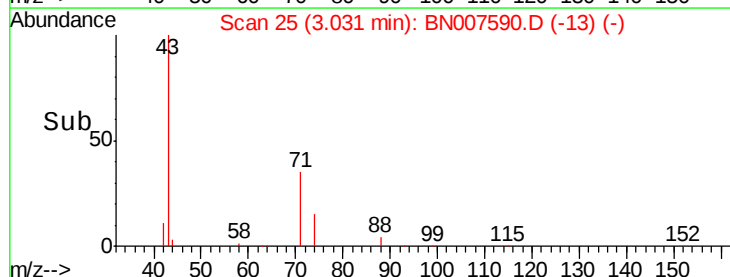
#3

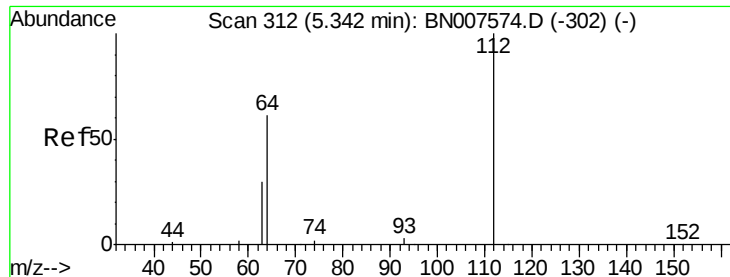
n-Nitrosodimethylamine
Concen: 33.020 ng
RT: 3.03 min Scan# 25
Delta R.T. 0.00 min
Lab File: BN007590.D
Acq: 11 Sep 2019 16:28

Tgt Ion: 42 Resp: 133205
Ion Ratio Lower Upper
42 100
74 147.2 0.0 0.0#
44 26.6 0.0 0.0#



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: 0.154 ng

RT: 5.34 min Scan# 312

Delta R.T. 0.00 min

Lab File: BN007590.D

Acq: 11 Sep 2019 16:28

Instrument :

BNA_N

ClientSampleId :

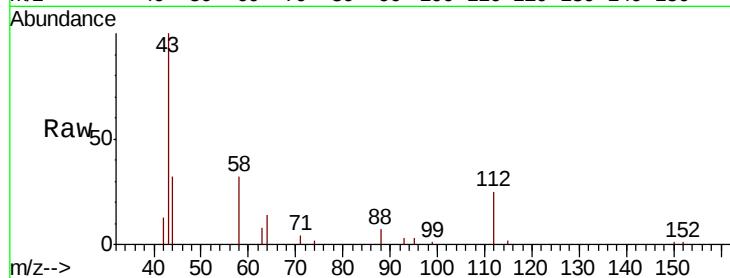
Tot Ion: 112 Resp: 3160

Ion Ratio Lower Upper

112 100

64 59.7 49.2 73.8

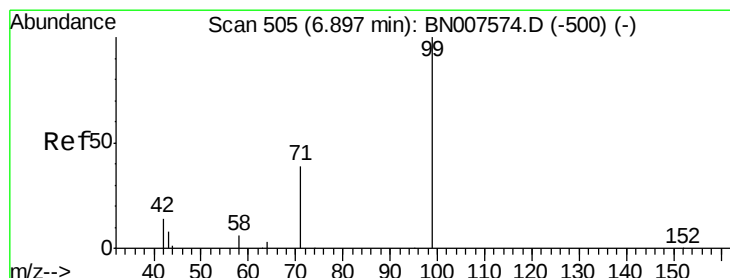
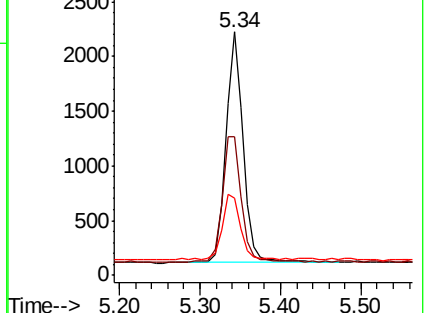
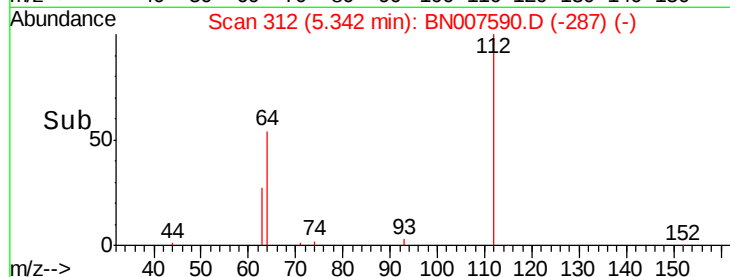
63 29.2 26.0 39.0



Abundance Ion 112.00 (111.70 to 112.70): B

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

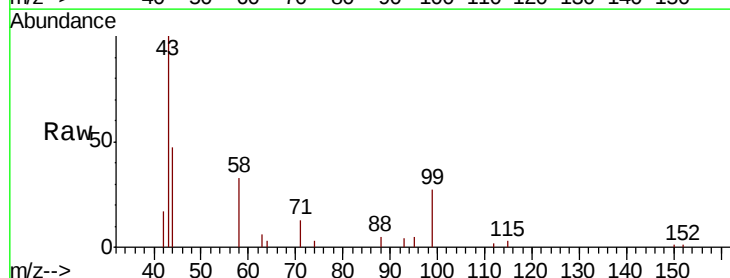
Tgt Ion: 99 Resp: 2794

Ion Ratio Lower Upper

99 100

42 39.9 11.8 17.8#

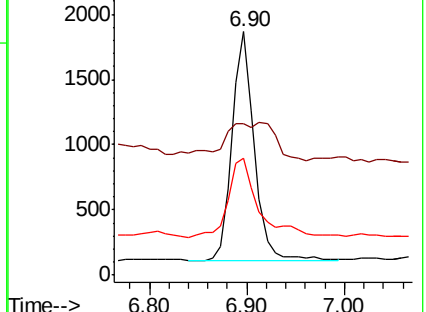
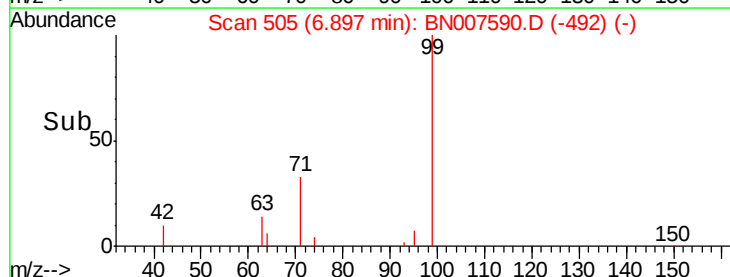
71 45.4 28.8 43.2#

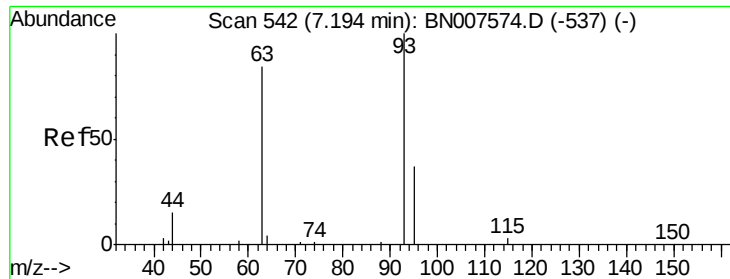


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC



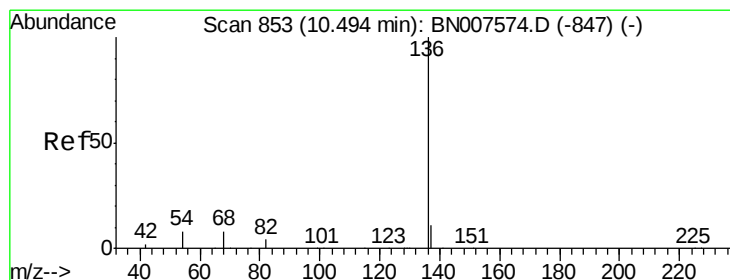
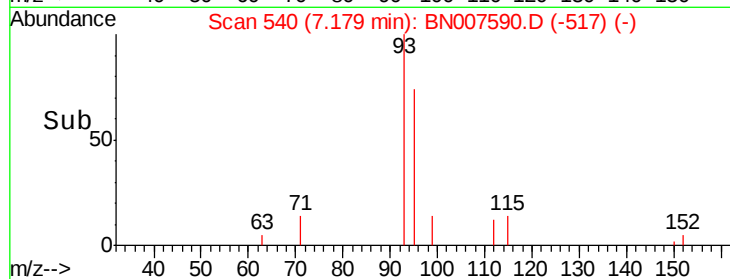
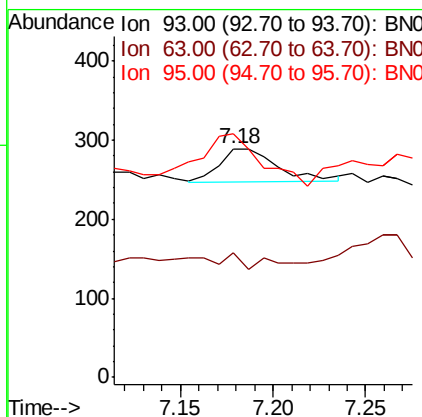
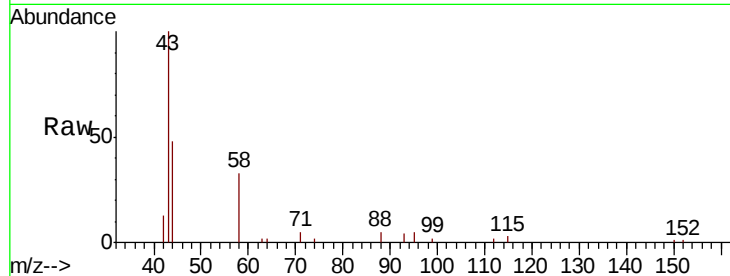


#6

bis(2-Chloroethyl)ether
 Concen: 0.218 ng
 RT: 7.18 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: BN007590.D
 Acq: 11 Sep 2019 16:28

Instrument :
 BNA_N
 ClientSampleId :

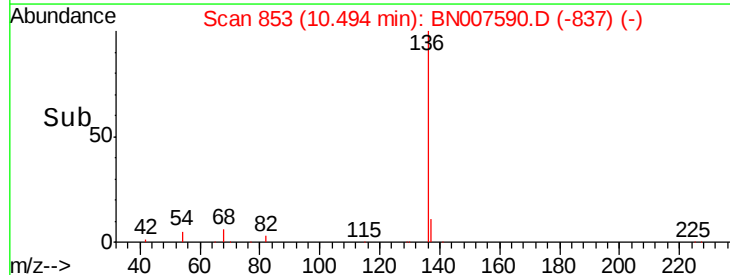
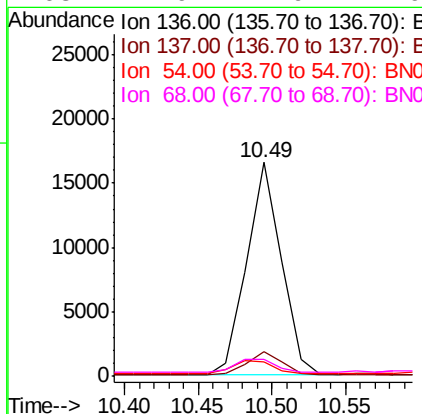
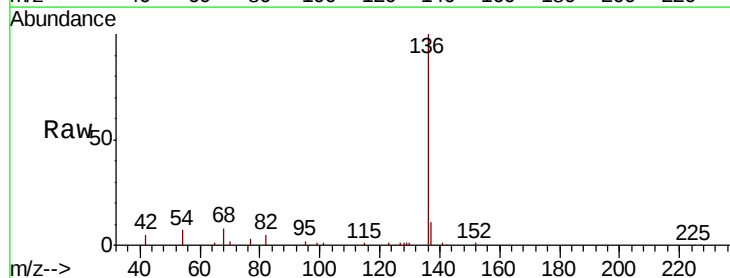
Tot Ion:	93	Resp:	88
Ion	Ratio	Lower	Upper
93	100		
63	0.0	69.8	104.6#
95	184.1	42.8	64.2#

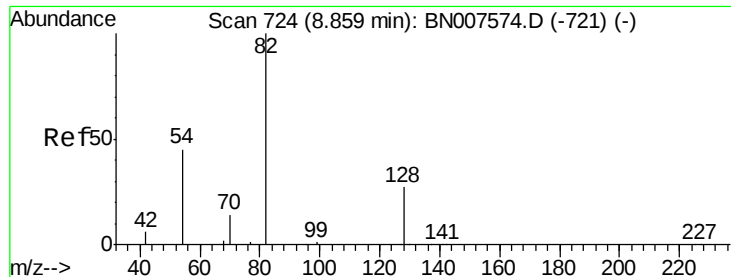


#7

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#





#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 :

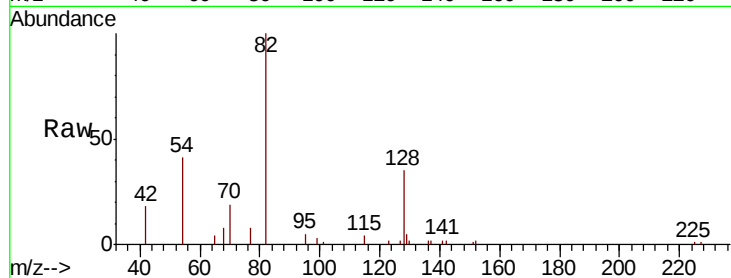
Tot Ion: 82 Resp: 8423

Ion Ratio Lower Upper

82 100

128 35.4 23.4 35.2#

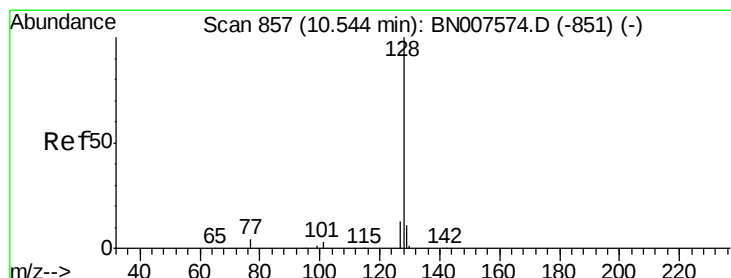
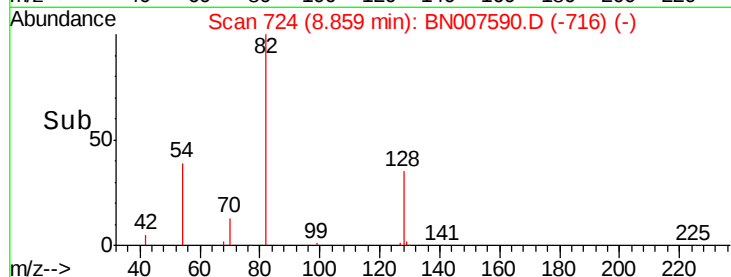
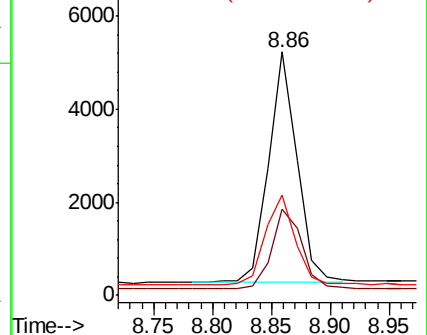
54 41.1 38.2 57.2



Abundance Ion 82.00 (81.70 to 82.70): BN007590.D (-849) (-)

Ion 128.00 (127.70 to 128.70): BN007590.D (-849) (-)

Ion 54.00 (53.70 to 54.70): BN007590.D (-849) (-)



#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

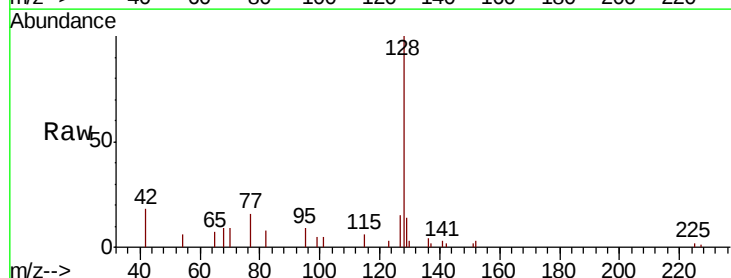
Tgt Ion:128 Resp: 5383

Ion Ratio Lower Upper

128 100

129 14.2 9.3 13.9#

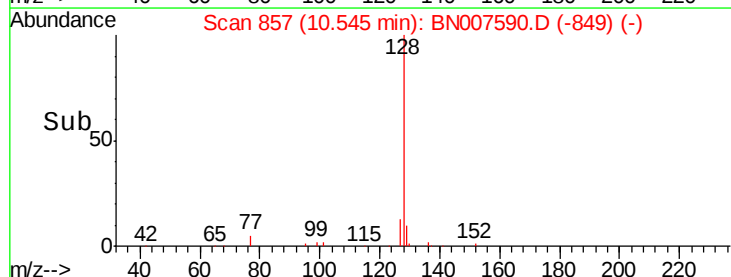
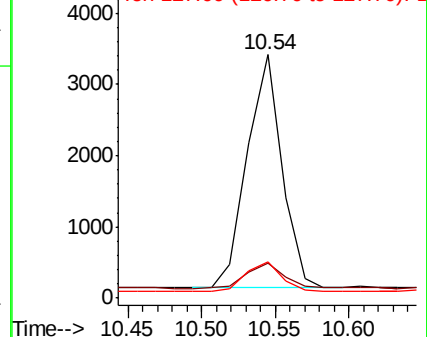
127 15.0 11.0 16.4

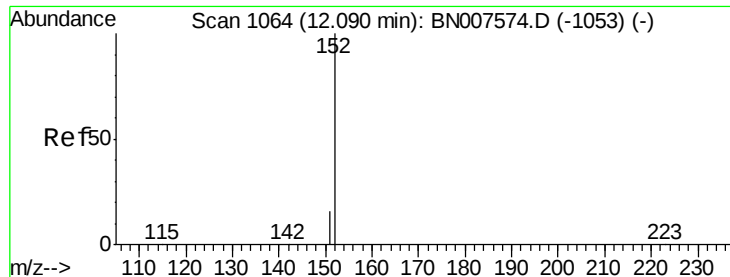


Abundance Ion 128.00 (127.70 to 128.70): BN007590.D (-849) (-)

Ion 129.00 (128.70 to 129.70): BN007590.D (-849) (-)

Ion 127.00 (126.70 to 127.70): BN007590.D (-849) (-)

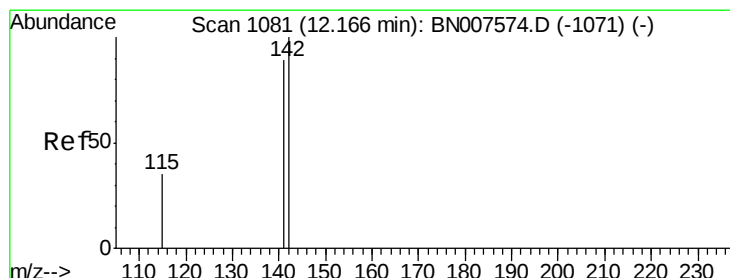
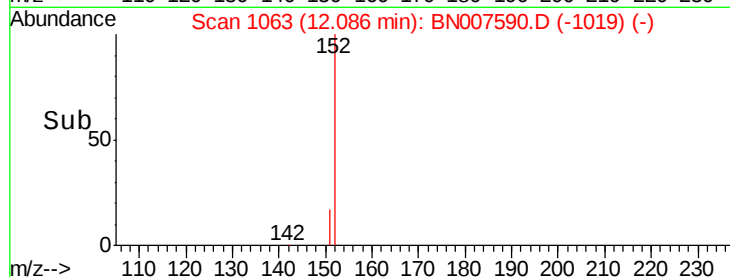
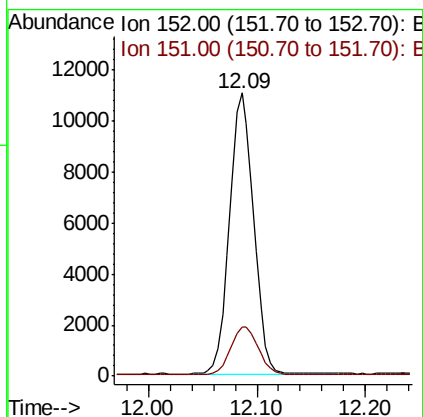
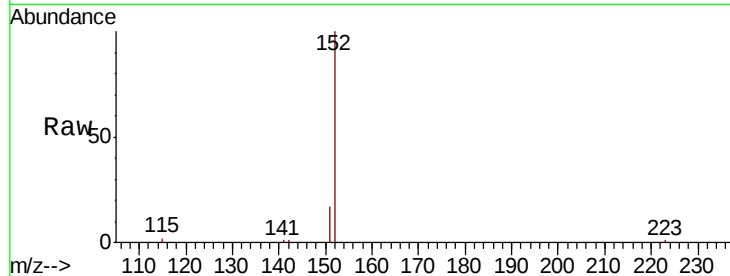




#11
 2-Methylnaphthalene-d10
 Concen: 0.364 ng
 RT: 12.09 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BN007590.D
 Acq: 11 Sep 2019 16:28

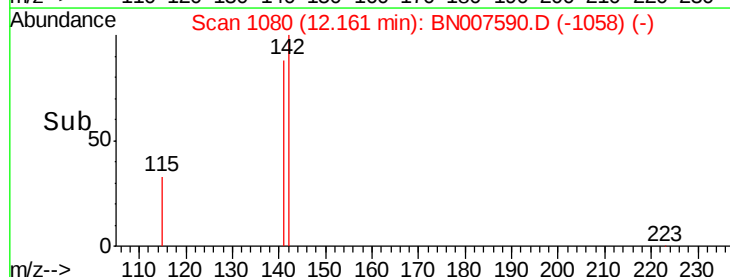
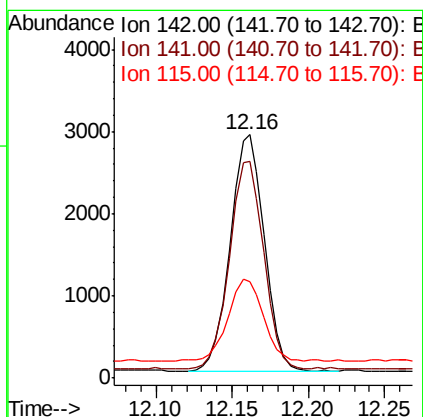
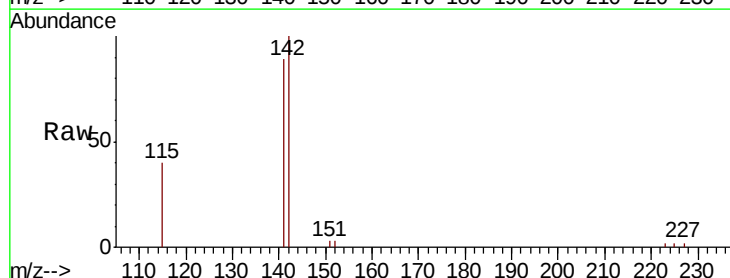
Instrument :
 BNA_N
 ClientSampleId :

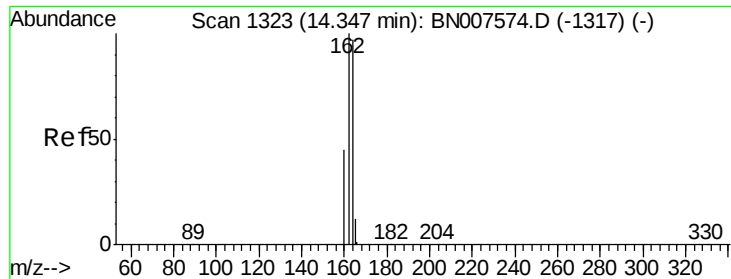
Tot Ion:152 Resp: 16999
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.3 22.9



#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 :

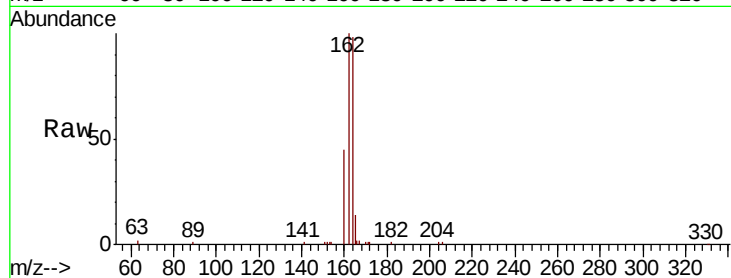
Tot Ion:164 Resp: 16289

Ion Ratio Lower Upper

164 100

162 101.8 82.2 123.2

160 45.6 37.4 56.0

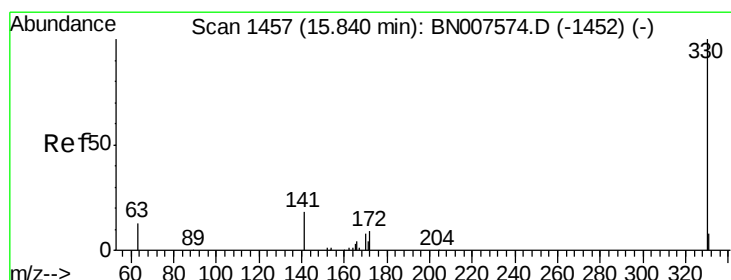
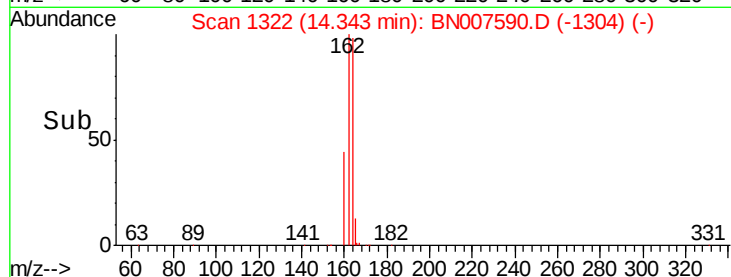
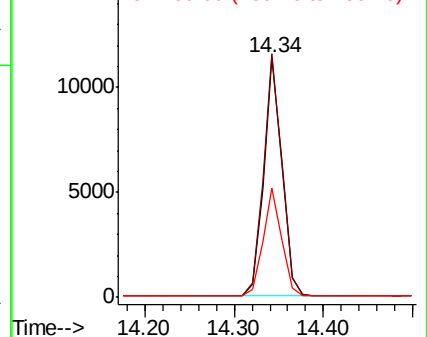


Abundance

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

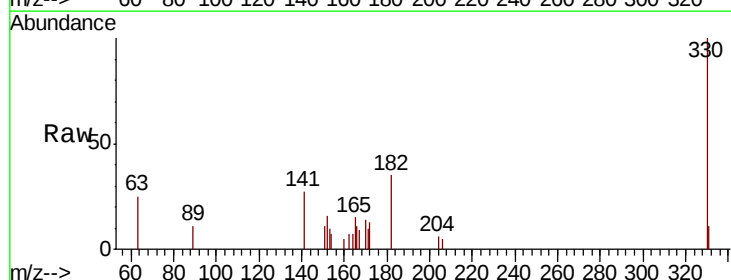
Tgt Ion:330 Resp: 2473

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 38.0 30.6 45.8

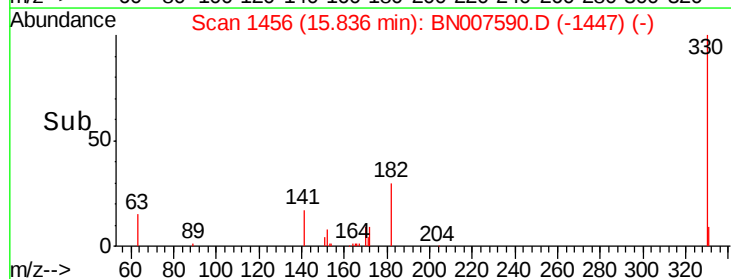
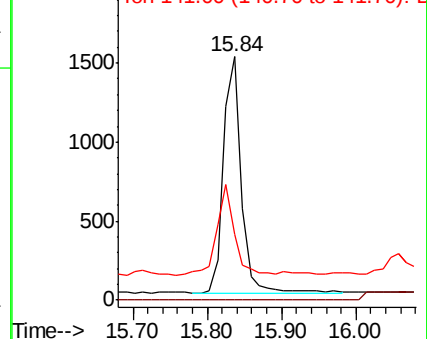


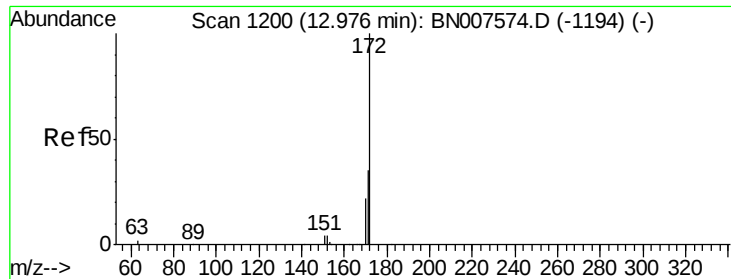
Abundance

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

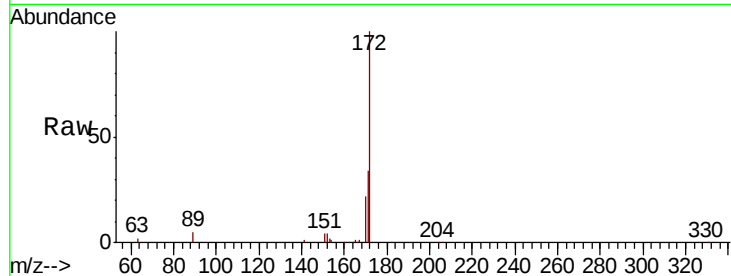




#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 12.97 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BN007590.D
Acq: 11 Sep 2019 16:28

Instrument :
BNA_N
ClientSampleId :

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

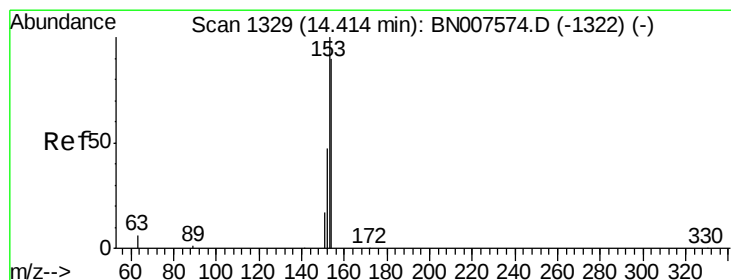
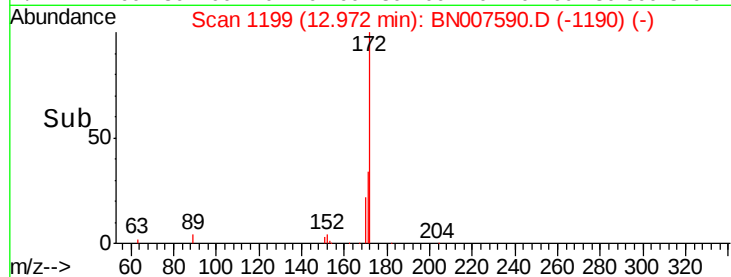
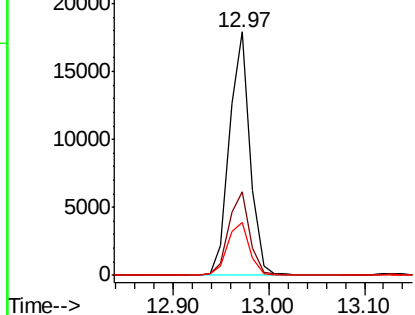


Abundance

Ion 172.00 (171.70 to 172.70): E

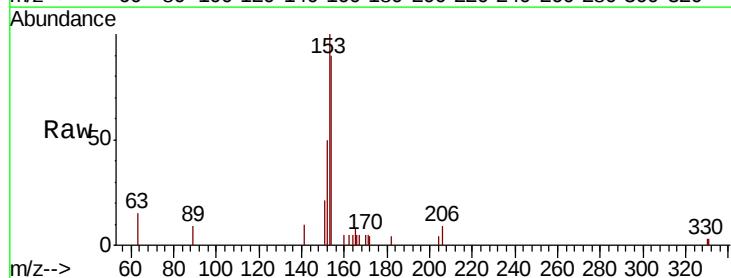
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#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	Ratio	Lower	Upper
154	100		
153	117.9	89.4	134.2
152	62.0	43.4	65.0

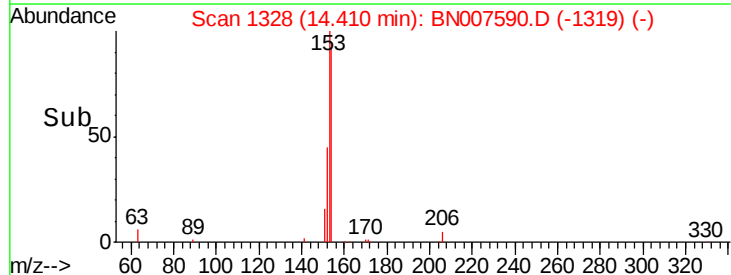
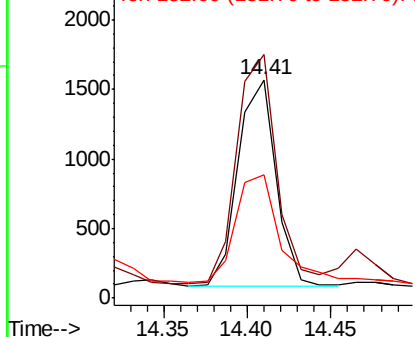


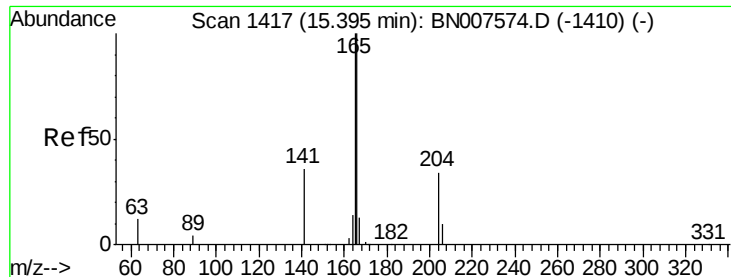
Abundance

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

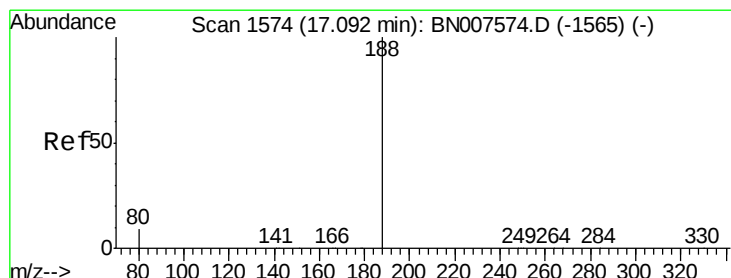
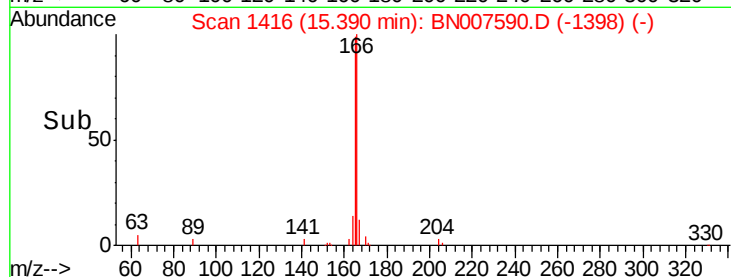
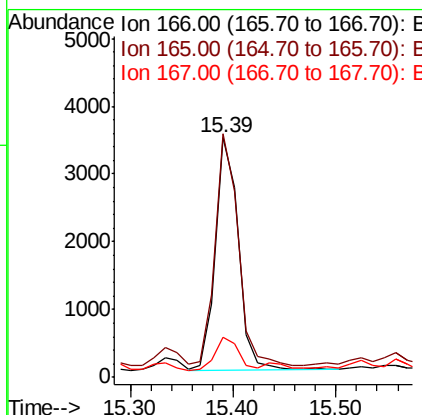
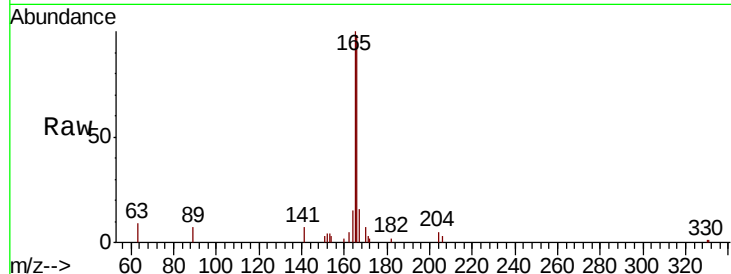




#18
Fluorene
Concen: 0.073 ng
RT: 15.39 min Scan# 1416
Delta R.T. -0.00 min
Lab File: BN007590.D
Acq: 11 Sep 2019 16:28

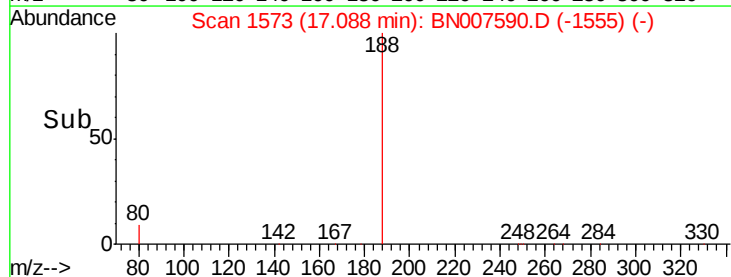
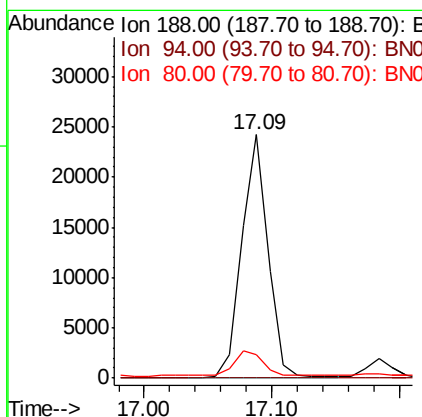
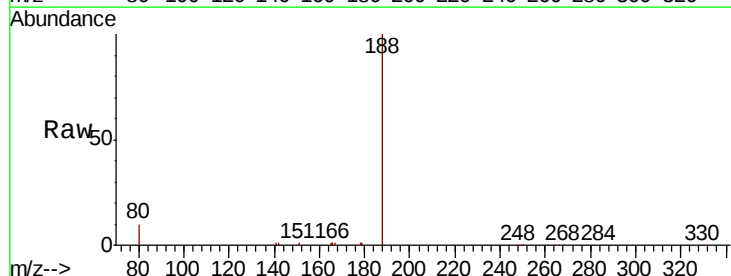
Instrument :
BNA_N
ClientSampleId :

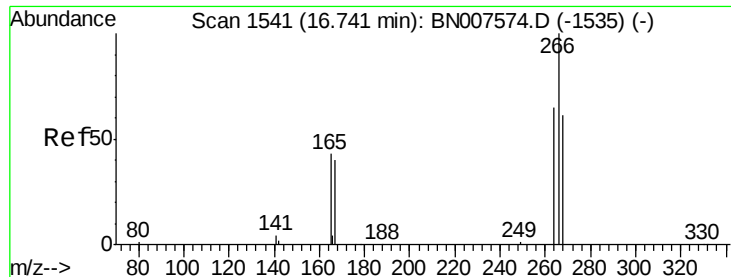
Tot Ion:166 Resp: 5321
Ion Ratio Lower Upper
166 100
165 99.3 77.8 116.6
167 15.1 11.0 16.4



#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

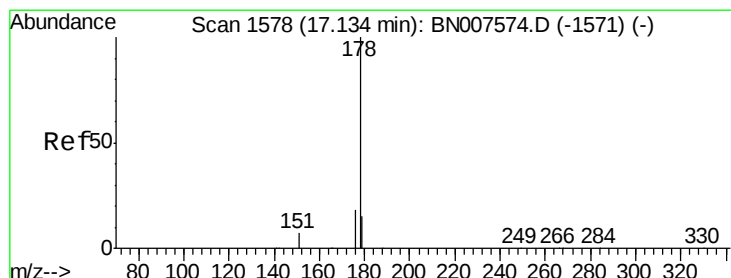
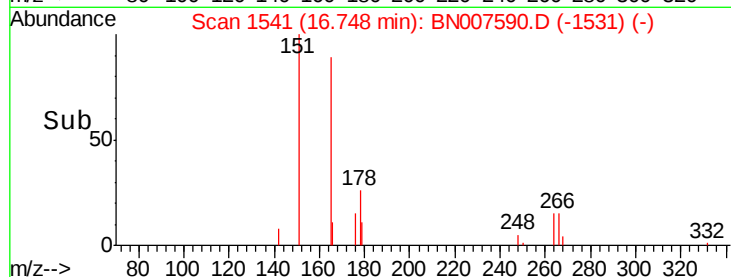
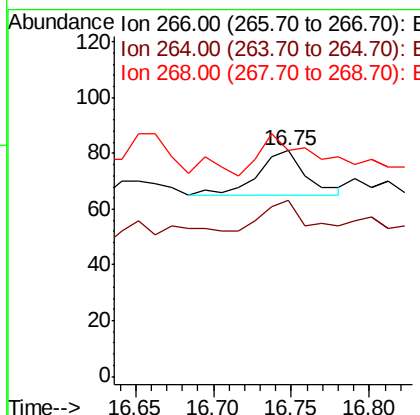
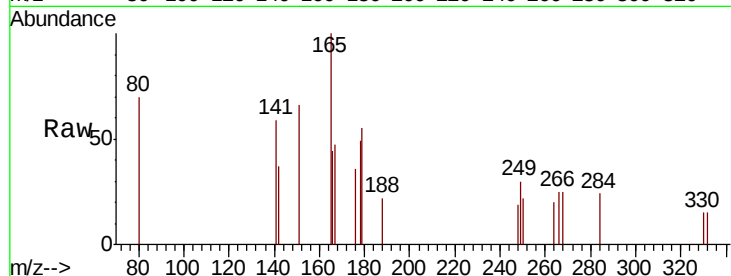




#22
 Pentachlorophenol
 Concen: 0.208 ng
 RT: 16.75 min Scan# 1541
 Delta R.T. 0.01 min
 Lab File: BN007590.D
 Acq: 11 Sep 2019 16:28

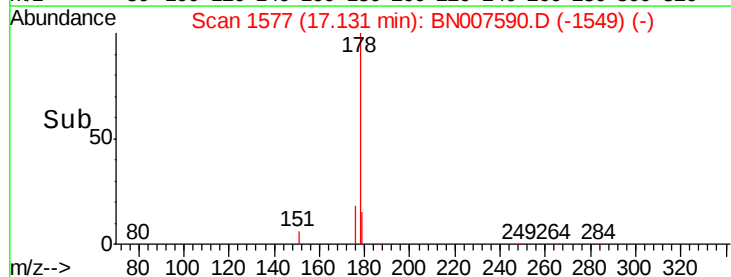
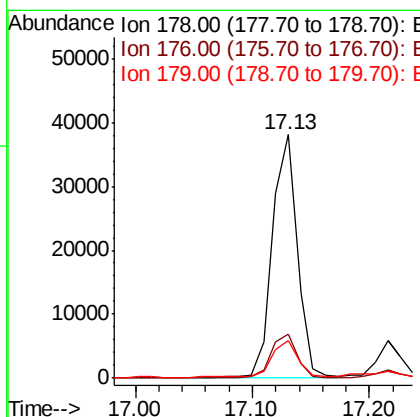
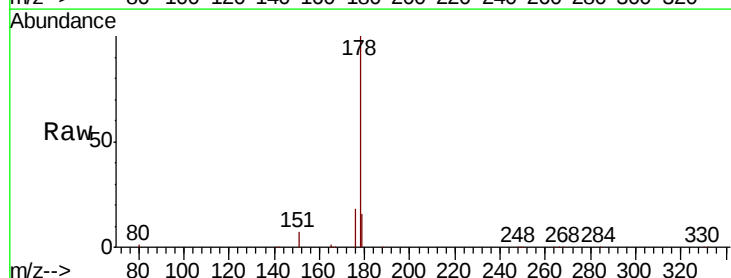
Instrument :
 BNA_N
 ClientSampleId :

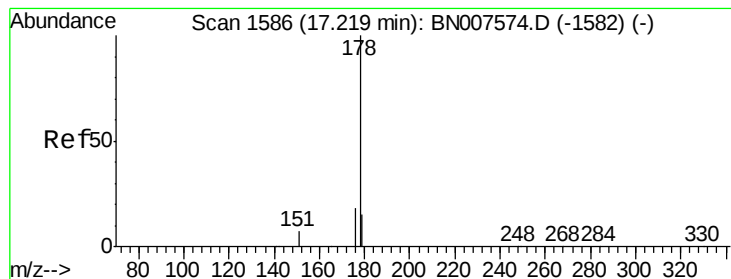
Tot Ion	Ratio	Lower	Upper
266	100		
264	77.8	52.0	78.0
268	100.0	53.5	80.3



#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

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





#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

Instrument :

BNA_N

ClientSampled :

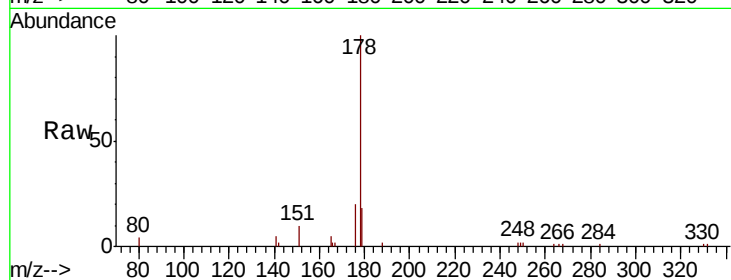
Tot Ion:178 Resp: 7747

Ion Ratio Lower Upper

178 100

176 18.0 14.4 21.6

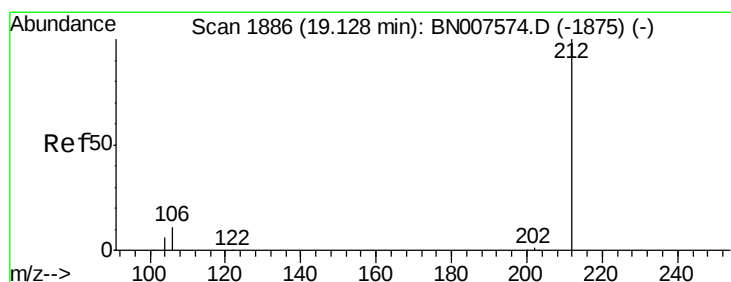
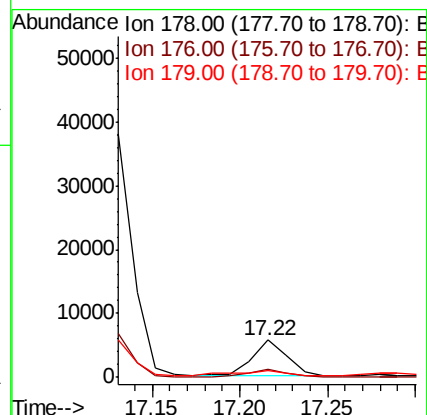
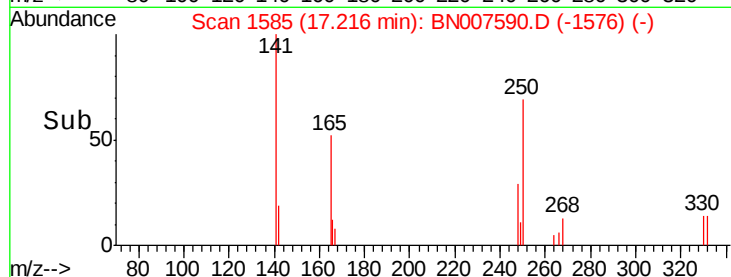
179 22.5 12.5 18.7#



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

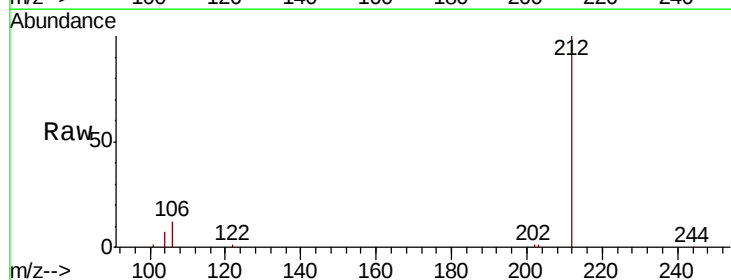
Tgt Ion:212 Resp: 43577

Ion Ratio Lower Upper

212 100

106 12.4 9.7 14.5

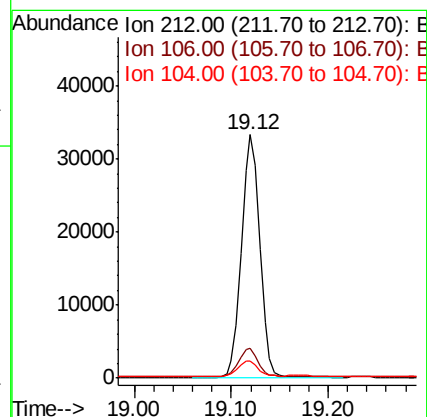
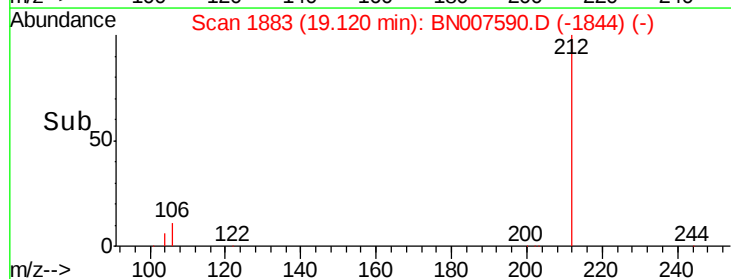
104 6.9 5.5 8.3

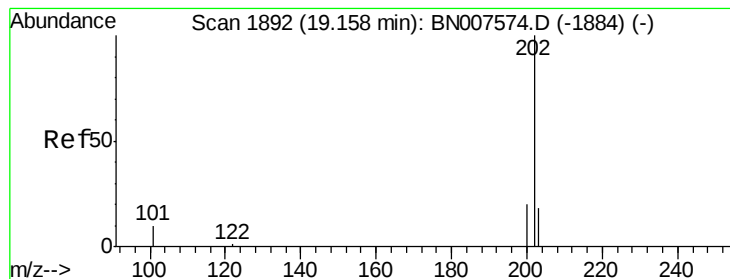


Abundance Ion 212.00 (211.70 to 212.70): E

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

Instrument :

BNA_N

ClientSampled :

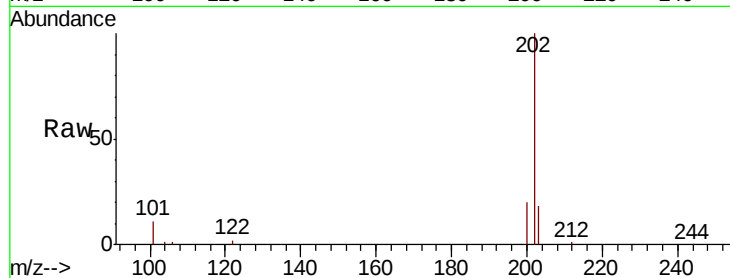
Tot Ion:202 Resp: 52095

Ion Ratio Lower Upper

202 100

101 12.0 8.8 13.2

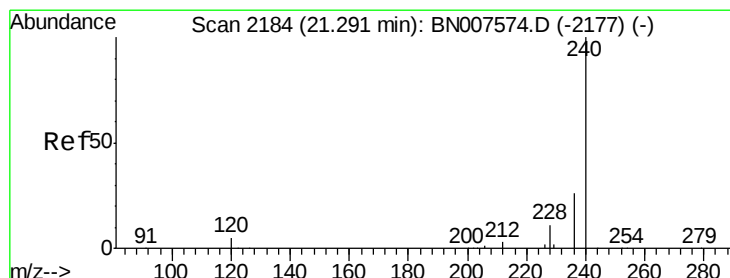
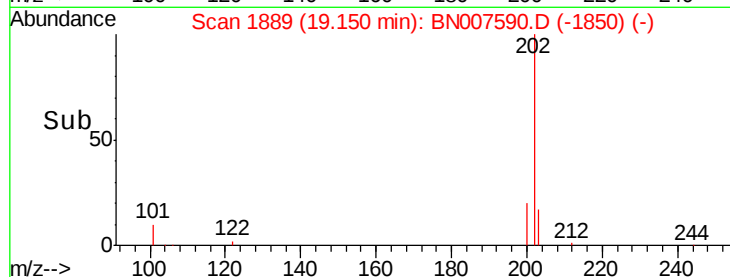
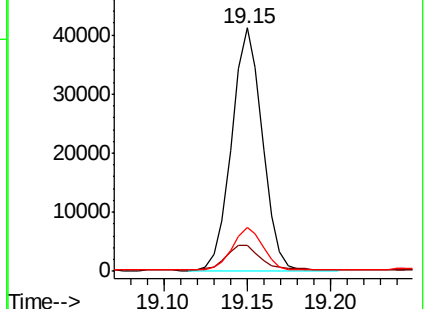
203 17.4 13.8 20.8



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

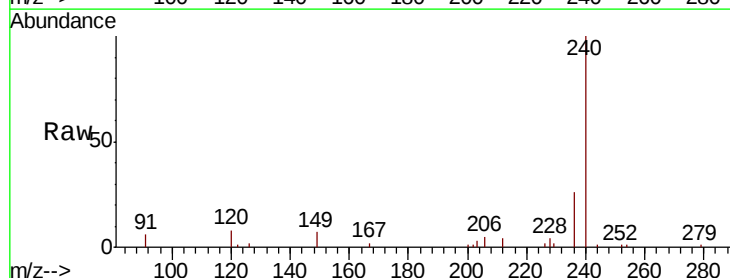
Tgt Ion:240 Resp: 36031

Ion Ratio Lower Upper

240 100

120 8.3 5.0 7.4#

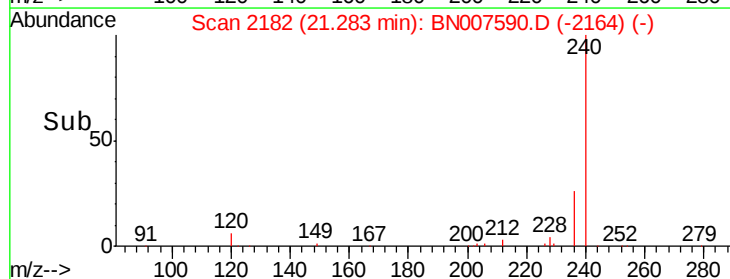
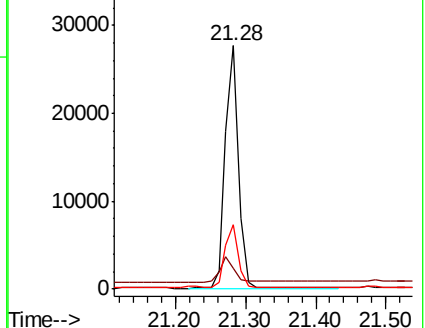
236 26.3 20.6 31.0

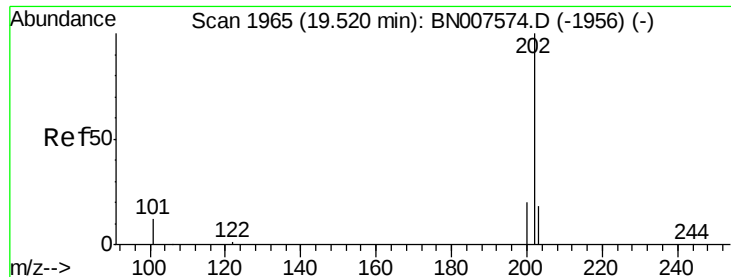


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

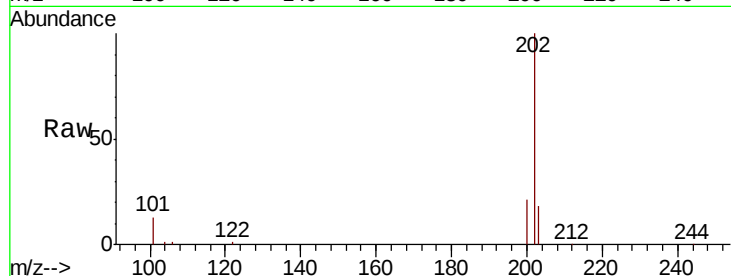




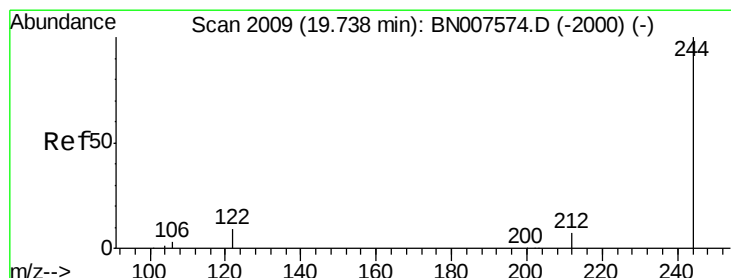
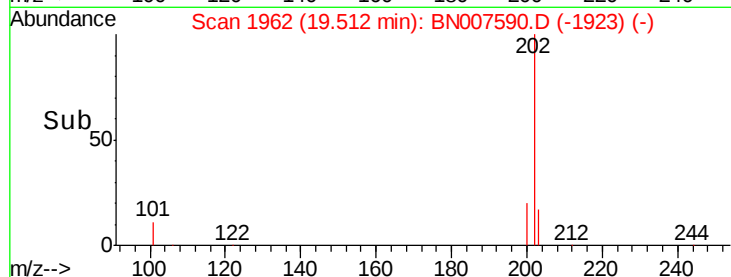
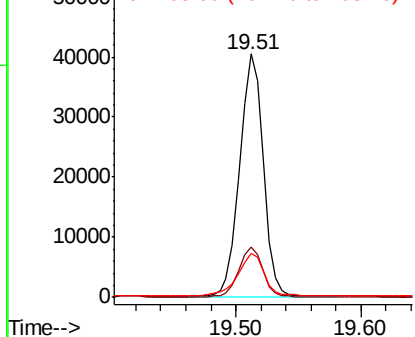
#28
 Pvrene
 Concen: 0.405 ng
 RT: 19.51 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: BN007590.D
 Acq: 11 Sep 2019 16:28

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:202 Resp: 52385
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.3 24.5
 203 19.9 14.1 21.1

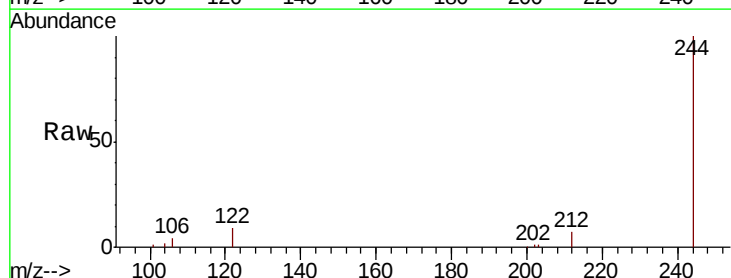


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

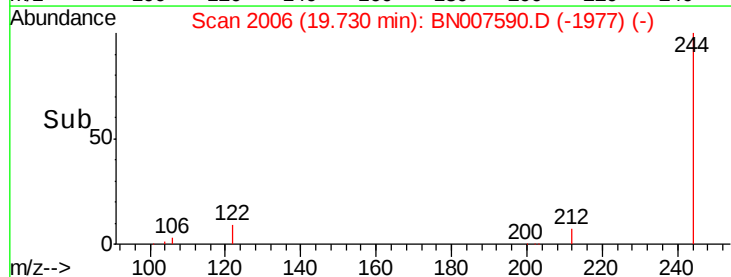
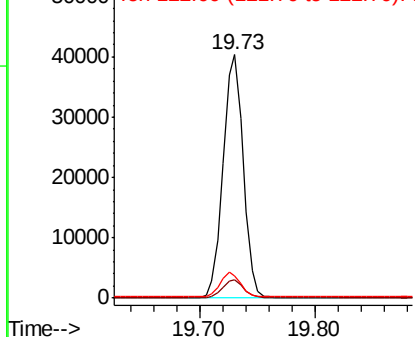


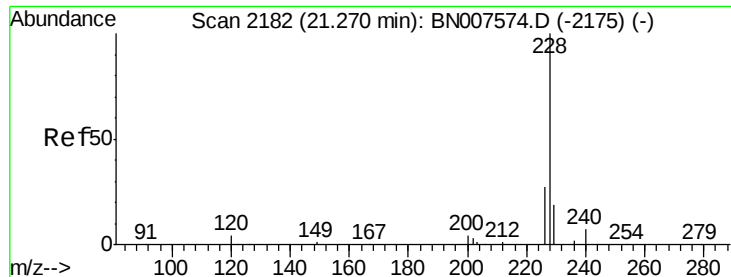
#29
 Terphenyl-d14
 Concen: 0.517 ng
 RT: 19.73 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BN007590.D
 Acq: 11 Sep 2019 16:28

Tgt 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

Instrument :

BNA_N

ClientSampled :

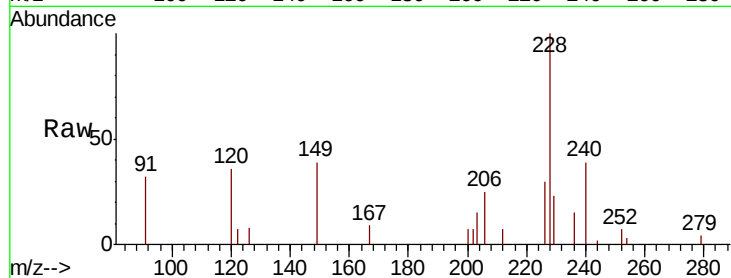
Tot Ion:228 Resp: 6881

Ion Ratio Lower Upper

228 100

226 30.0 21.6 32.4

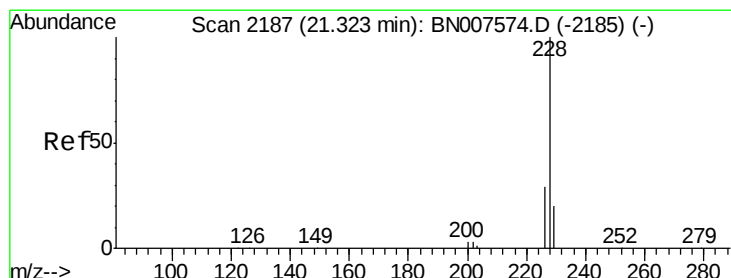
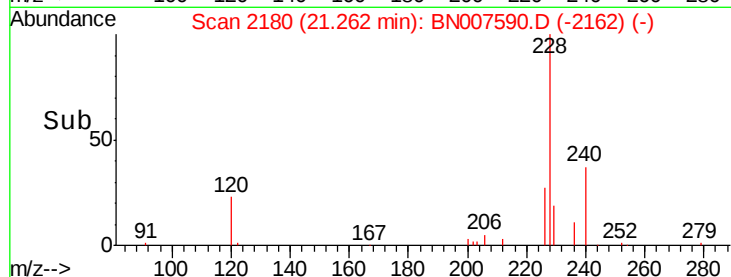
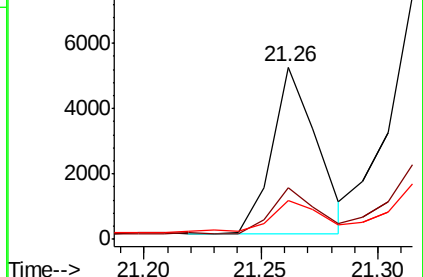
229 22.8 15.7 23.5



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

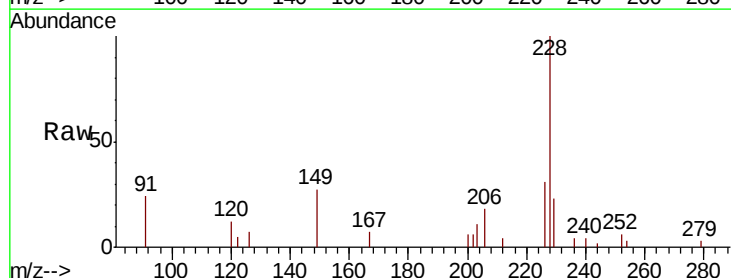
Tgt Ion:228 Resp: 10045

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.2

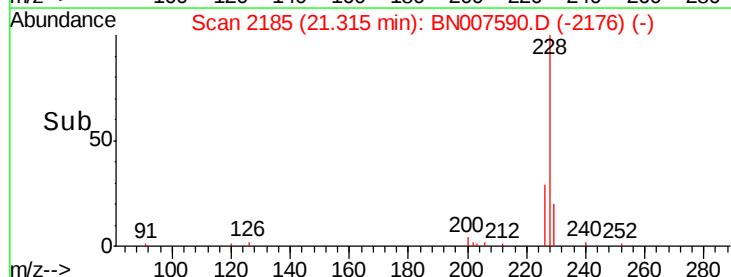
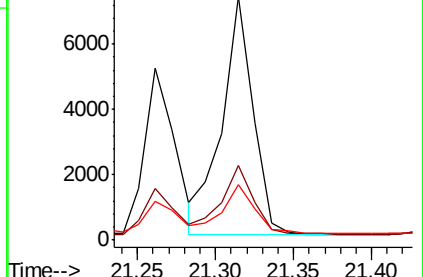
229 22.6 15.7 23.5

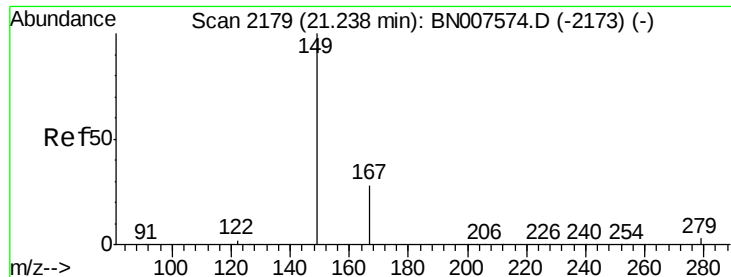


Abundance Ion 228.00 (227.70 to 228.70): E

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

Instrument :

BNA_N

ClientSampleId :

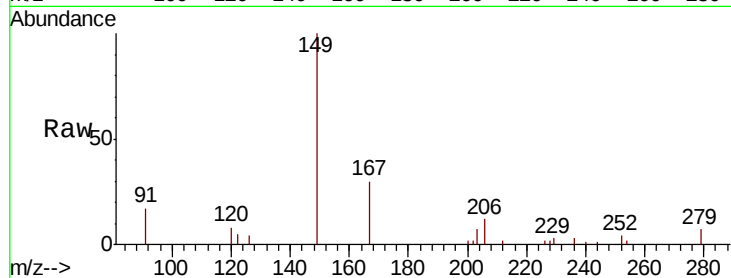
Tot Ion:149 Resp: 12408

Ion Ratio Lower Upper

149 100

167 28.2 22.1 33.1

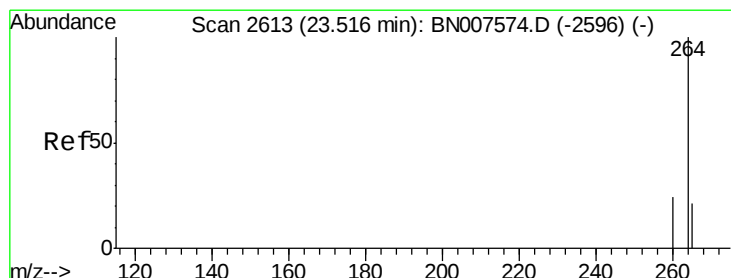
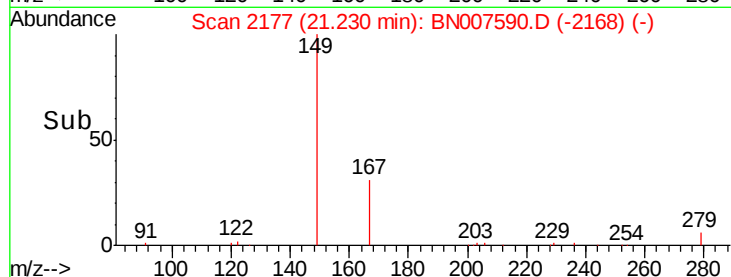
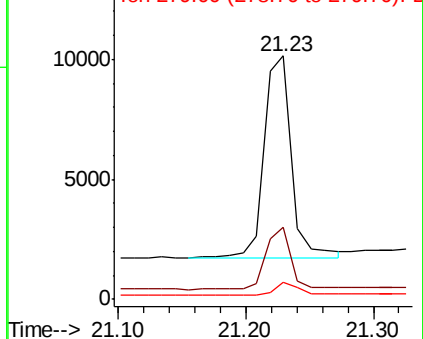
279 5.5 3.9 5.9



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

Perylene-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

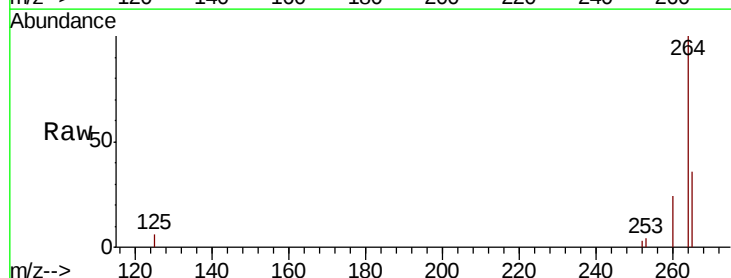
Tgt Ion:264 Resp: 39056

Ion Ratio Lower Upper

264 100

260 24.2 19.3 28.9

265 35.9 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

