

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\
 Data File : BN007500.D
 Acq On : 29 Aug 2019 13:08
 Operator : HP/JU
 Sample : K4524-03RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT-013-IDWSO-20190823RE

Quant Time: Aug 29 13:49:36 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	7.40	152	6930	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	29339	0.40	ng	-0.01
13) Acenaphthene-d10	14.03	164	16456	0.40	ng	-0.02
19) Phenanthrene-d10	16.79	188	38368	0.40	ng	0.00
27) Chrysene-d12	21.02	240	65569	0.40	ng	0.00
34) Perylene-d12	23.12	264	69618	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.03	112	7533	0.31	ng	0.00
5) Phenol-d6	6.59	99	13239	0.44	ng	0.00
8) Nitrobenzene-d5	8.53	82	7739	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	13521	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.54	330	5481	0.64	ng	-0.02
15) 2-Fluorobiphenyl	12.65	172	23224	0.35	ng	0.00
25) Fluoranthene-d10	18.84	212	28470	0.23	ng	0.00
29) Terphenyl-d14	19.46	244	375780	2.19	ng	0.00

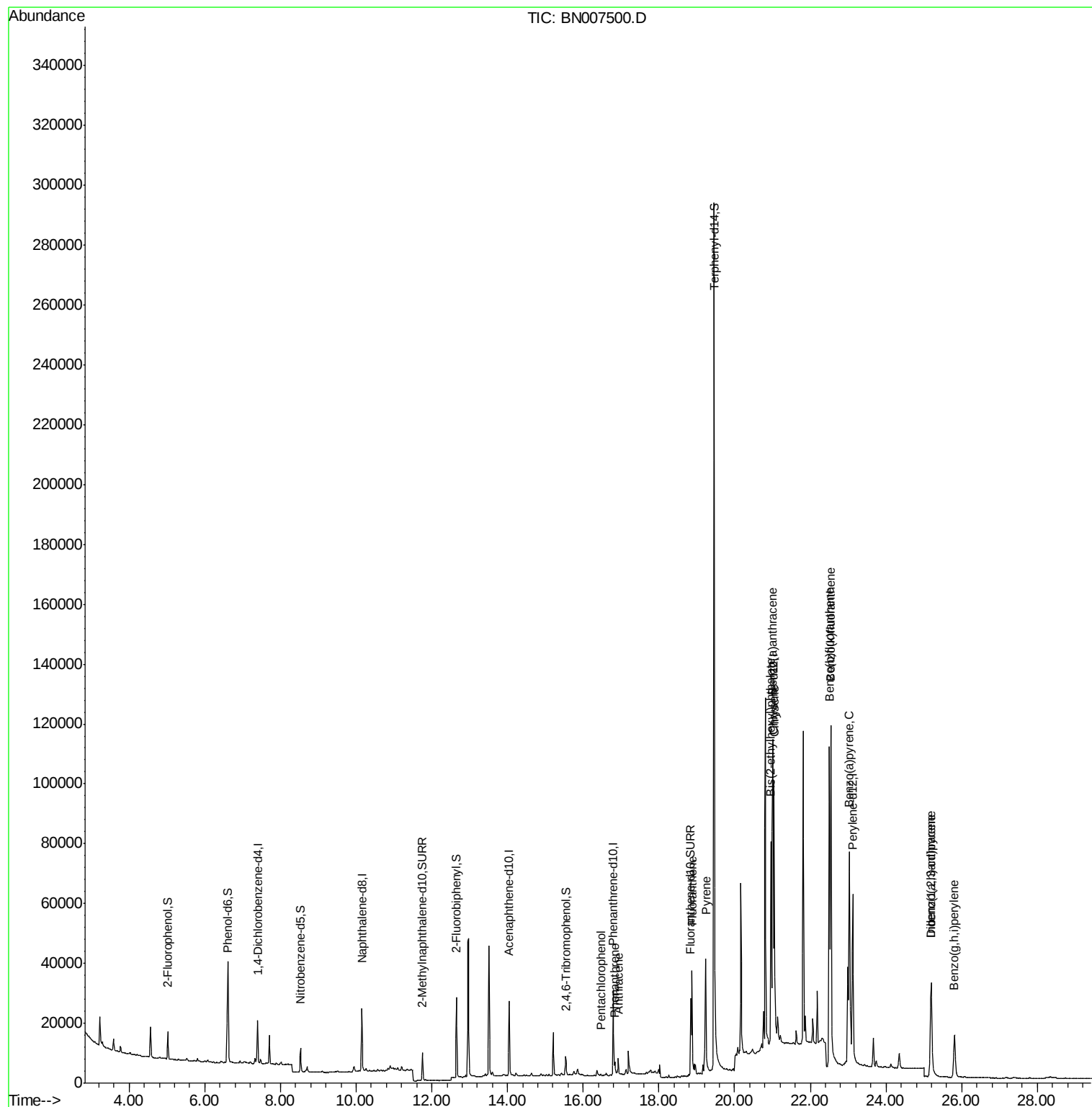
Target Compounds				Qvalue		
22) Pentachlorophenol	16.46	266	272	0.034	ng	# 77
23) Phenanthrene	16.84	178	5192	0.045	ng	98
24) Anthracene	16.92	178	3255	0.028	ng	94
26) Fluoranthene	18.87	202	41417	0.280	ng	98
28) Pyrene	19.24	202	44975	0.171	ng	99
30) Benzo(a)anthracene	21.00	228	75235	0.292	ng	99
31) Chrysene	21.05	228	86129	0.347	ng	98
32) Bis(2-ethylhexyl)phthalate	20.96	149	69093	0.396	ng	100
33) Indeno(1,2,3-cd)pyrene	25.19	276	42984	0.144	ng	97
35) Benzo(b)fluoranthene	22.50	252	161084	0.639	ng	# 95
36) Benzo(k)fluoranthene	22.54	252	155086	0.622	ng	# 96
37) Benzo(a)pyrene	23.03	252	109352	0.456	ng	# 95
38) Dibenzo(a,h)anthracene	25.20	278	30343	0.127	ng	98
39) Benzo(g,h,i)perylene	25.81	276	31603	0.132	ng	98

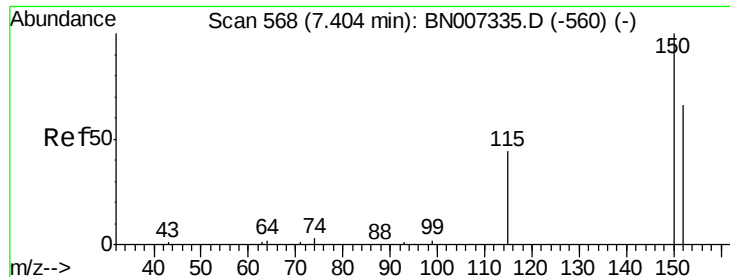
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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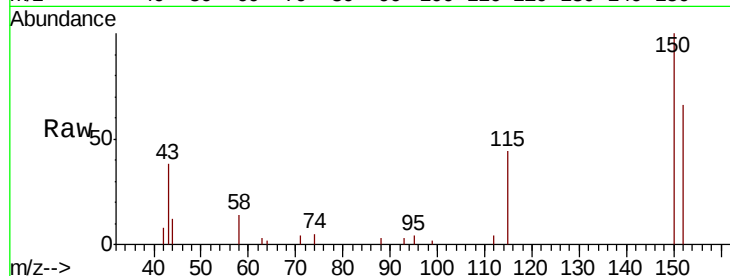


#1

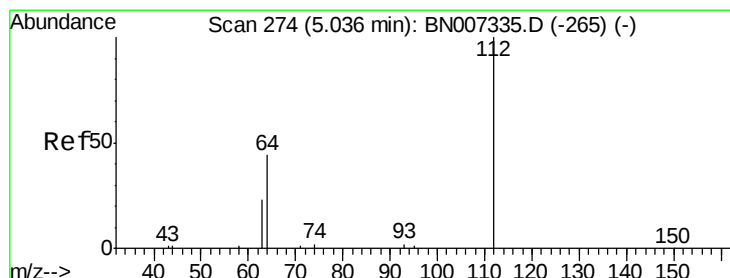
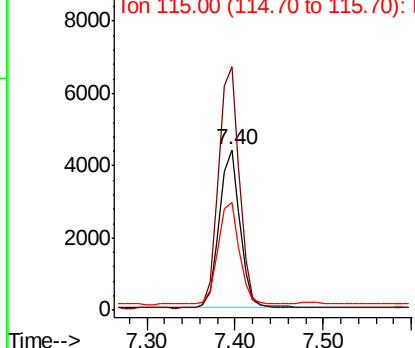
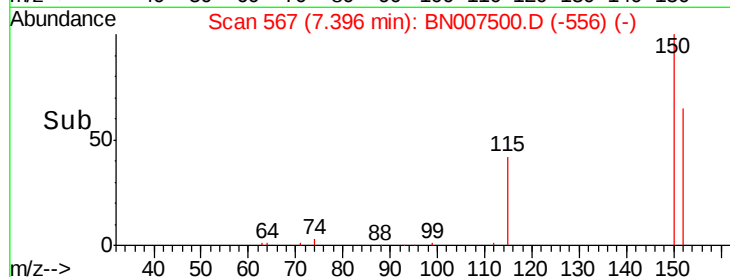
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007500.D
Acq: 29 Aug 2019 13:08

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823RE

Tot Ion:152 Resp: 6930
Ion Ratio Lower Upper
152 100
150 151.6 109.1 163.7
115 66.8 59.6 89.4



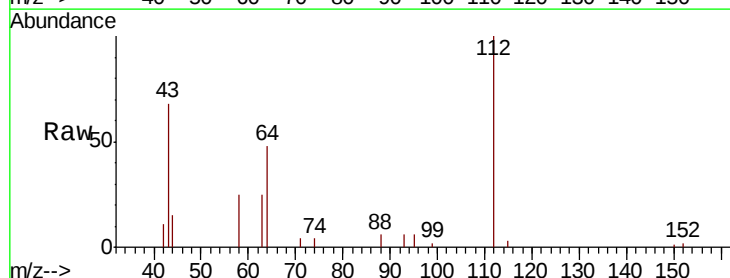
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



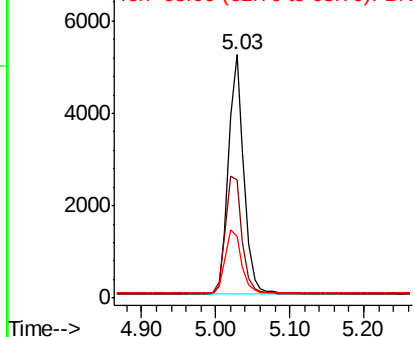
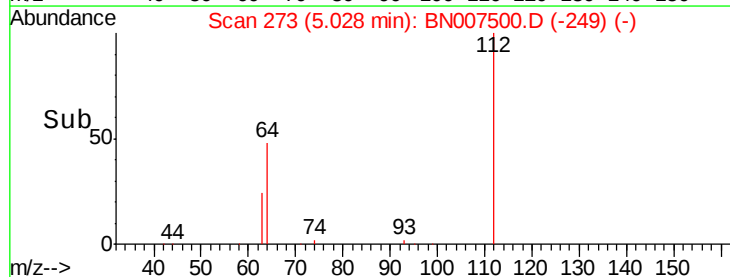
#4

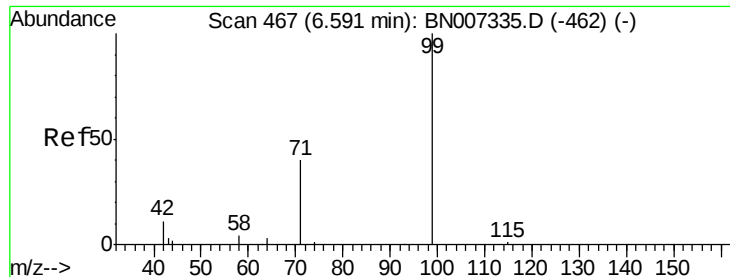
2-Fluorophenol
Concen: 0.307 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007500.D
Acq: 29 Aug 2019 13:08

Tgt Ion:112 Resp: 7533
Ion Ratio Lower Upper
112 100
64 53.7 42.3 63.5
63 28.1 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: 0.436 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007500.D

Acq: 29 Aug 2019 13:08

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823RE

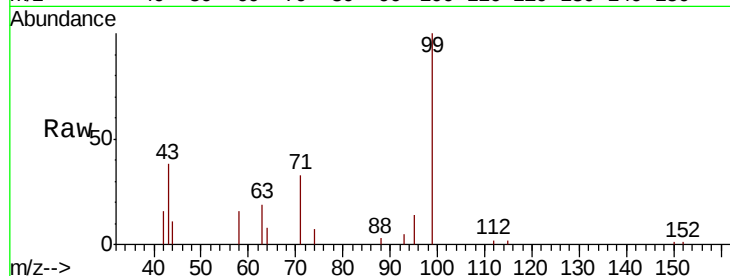
Tot Ion: 99 Resp: 13239

Ion Ratio Lower Upper

99 100

42 21.0 11.2 16.8#

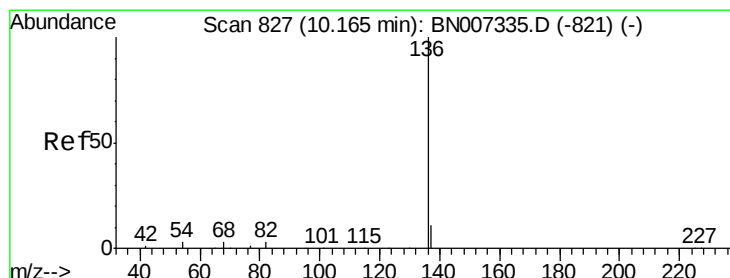
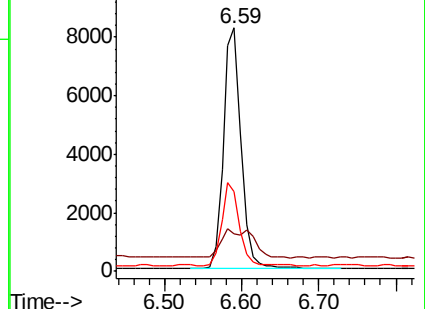
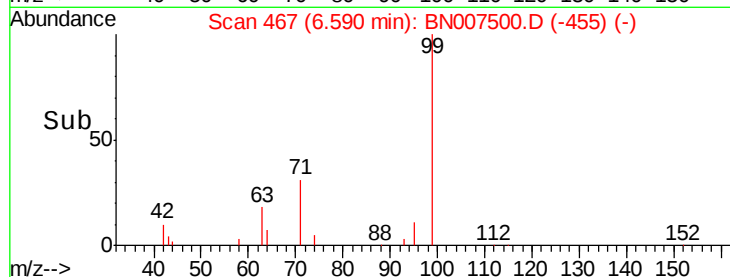
71 34.2 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007500.D (-455) (-)

Ion 42.00 (41.70 to 42.70): BN007500.D (-455) (-)

Ion 71.00 (70.70 to 71.70): BN007500.D (-455) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007500.D

Acq: 29 Aug 2019 13:08

Tgt Ion: 136 Resp: 29339

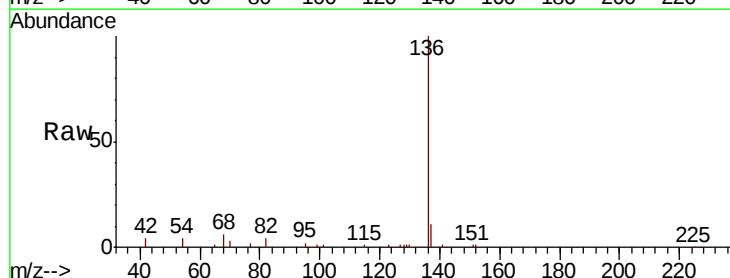
Ion Ratio Lower Upper

136 100

137 11.4 12.9 19.3#

54 4.3 8.6 12.8#

68 5.9 17.0 25.4#

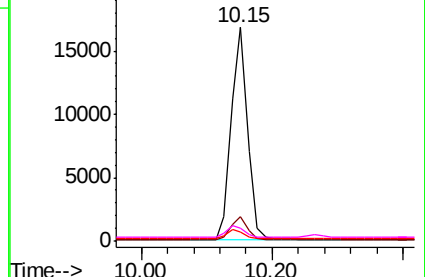
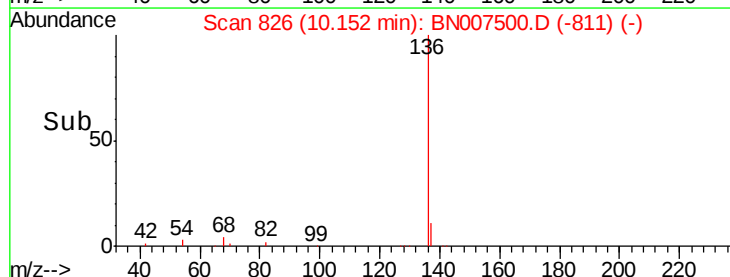


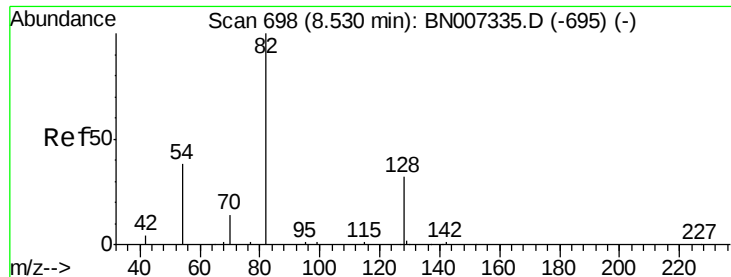
Abundance Ion 136.00 (135.70 to 136.70): BN007500.D (-811) (-)

Ion 137.00 (136.70 to 137.70): BN007500.D (-811) (-)

Ion 54.00 (53.70 to 54.70): BN007500.D (-811) (-)

Ion 68.00 (67.70 to 68.70): BN007500.D (-811) (-)





#8

Nitrobenzene-d5

Concen: 0.303 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007500.D

Acq: 29 Aug 2019 13:08

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823RE

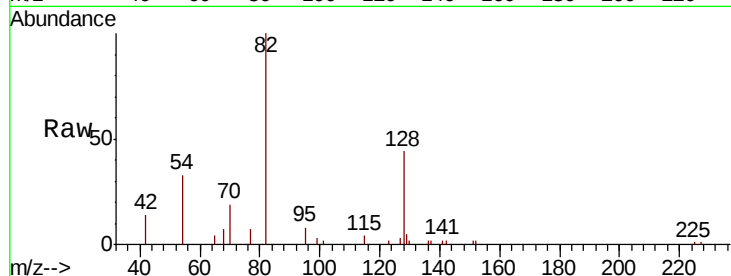
Tot Ion: 82 Resp: 7739

Ion Ratio Lower Upper

82 100

128 43.6 19.7 29.5#

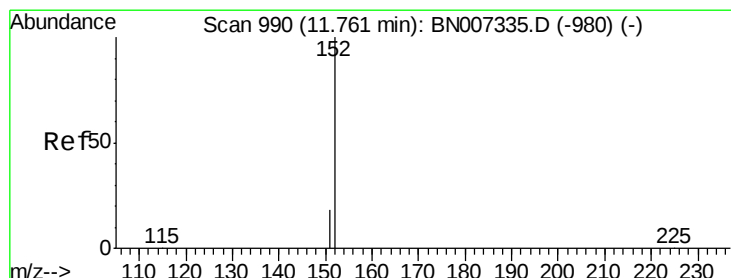
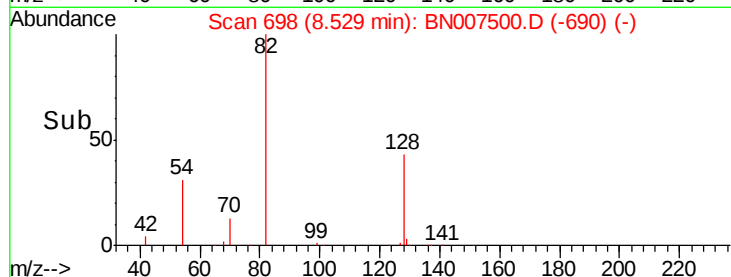
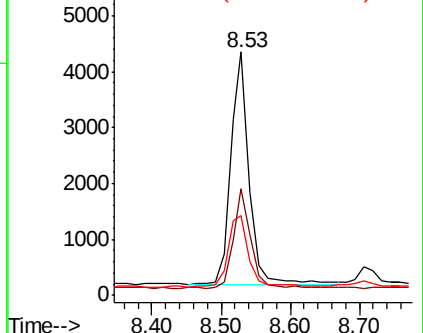
54 32.8 25.8 38.6



Abundance Ion 82.00 (81.70 to 82.70): BN007500.D (-690) (-)

Ion 128.00 (127.70 to 128.70): BN007500.D (-690) (-)

Ion 54.00 (53.70 to 54.70): BN007500.D (-690) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.277 ng

RT: 11.75 min Scan# 988

Delta R.T. -0.01 min

Lab File: BN007500.D

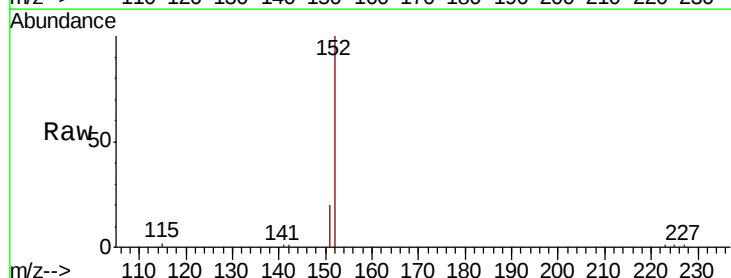
Acq: 29 Aug 2019 13:08

Tgt Ion: 152 Resp: 13521

Ion Ratio Lower Upper

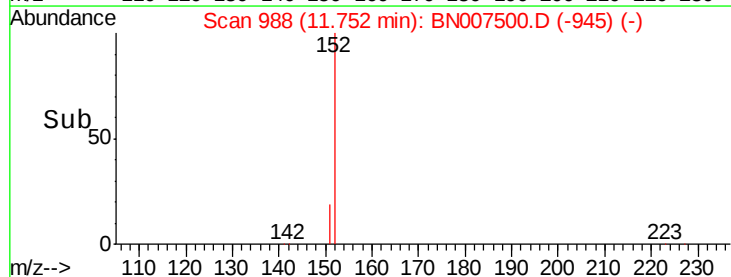
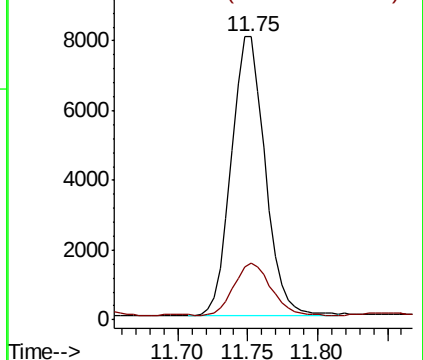
152 100

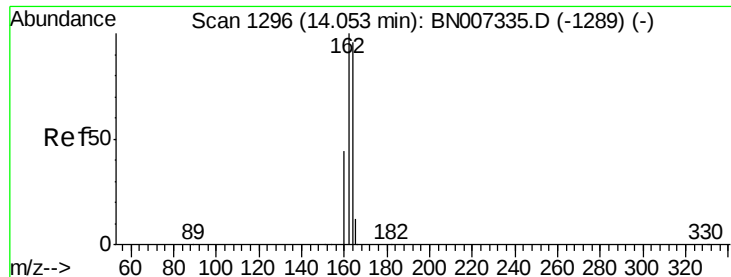
151 20.3 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): BN007500.D (-945) (-)

Ion 151.00 (150.70 to 151.70): BN007500.D (-945) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007500.D

Acq: 29 Aug 2019 13:08

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823RE

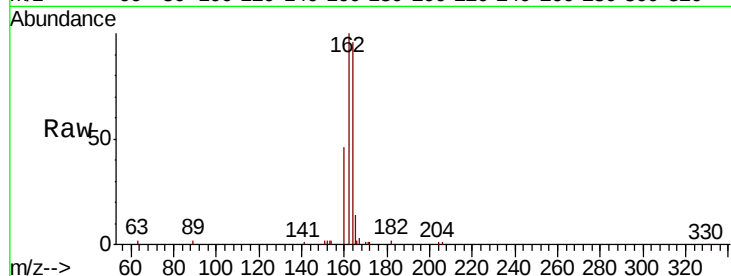
Tot Ion:164 Resp: 16456

Ion Ratio Lower Upper

164 100

162 104.4 83.5 125.3

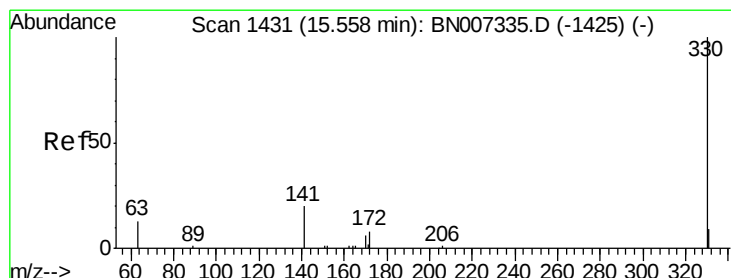
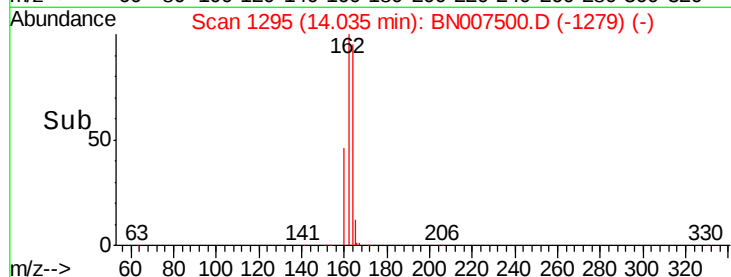
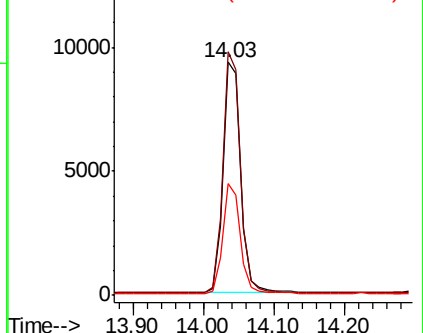
160 48.0 38.2 57.4



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: 0.637 ng

RT: 15.54 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BN007500.D

Acq: 29 Aug 2019 13:08

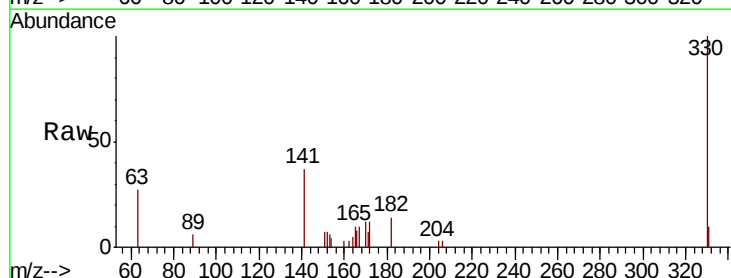
Tgt Ion:330 Resp: 5481

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

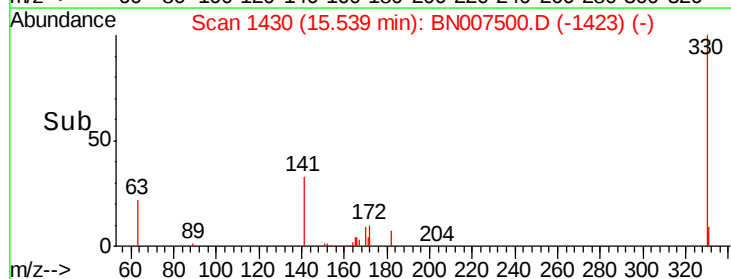
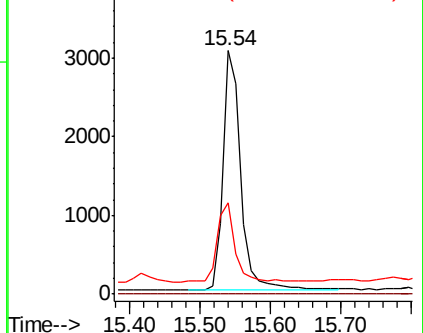
141 33.0 26.9 40.3

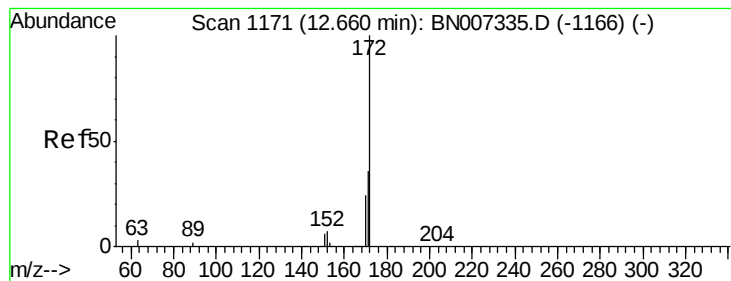


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

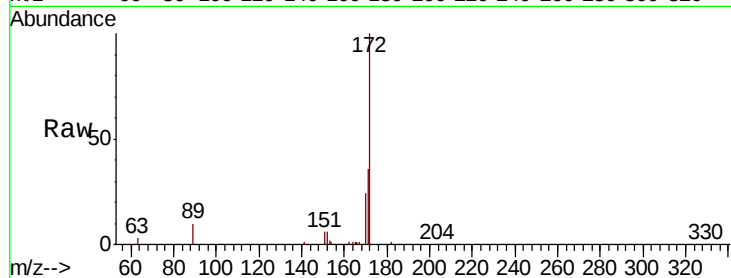




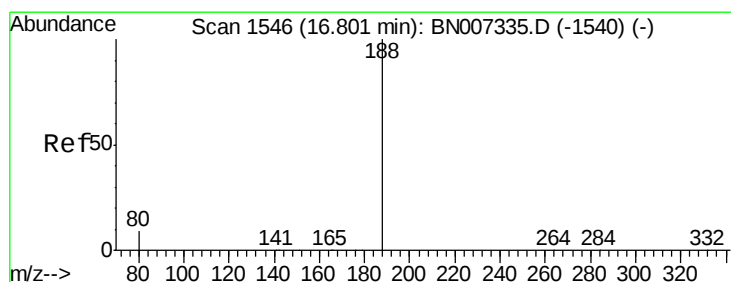
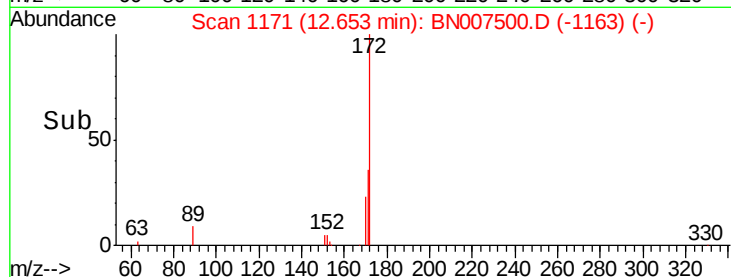
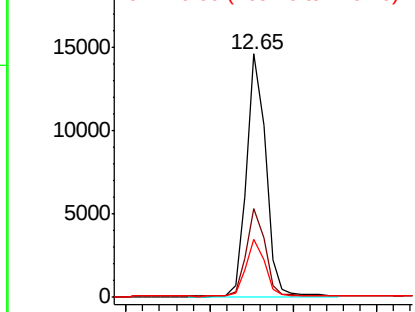
#15
2-Fluorobiphenyl
Concen: 0.350 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007500.D
Acq: 29 Aug 2019 13:08

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823RE

Tot Ion:172 Resp: 23224
Ion Ratio Lower Upper
172 100
171 36.3 30.3 45.5
170 23.8 20.7 31.1

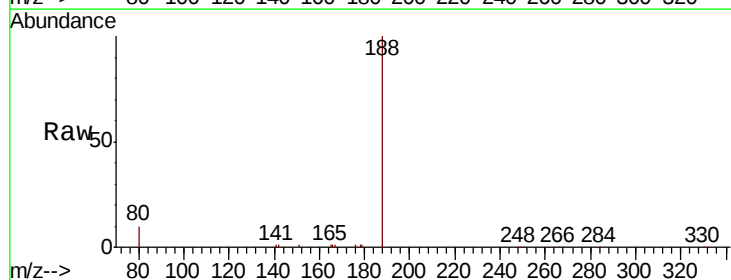


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

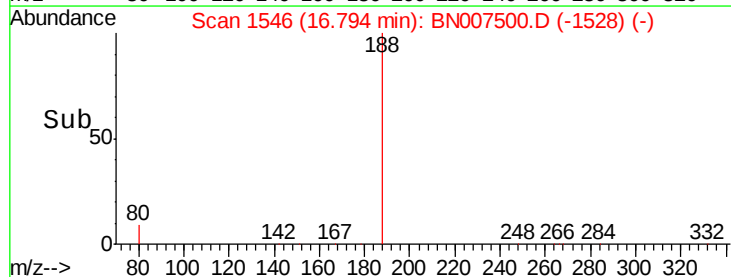
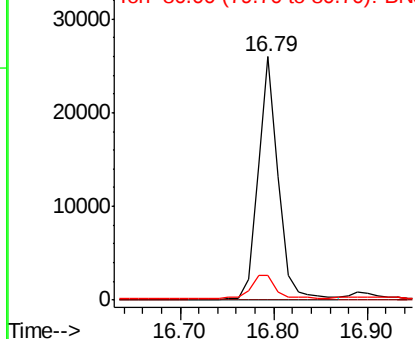


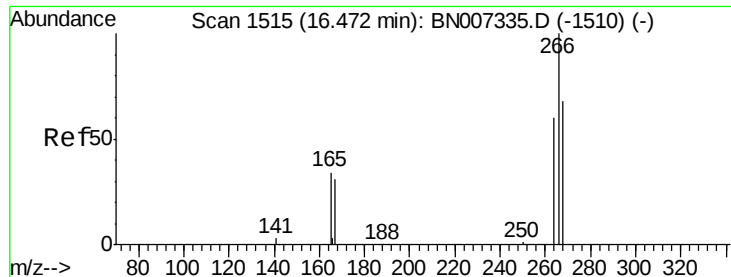
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007500.D
Acq: 29 Aug 2019 13:08

Tgt Ion:188 Resp: 38368
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.1 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

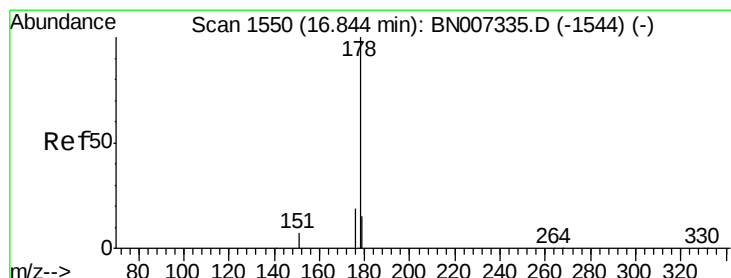
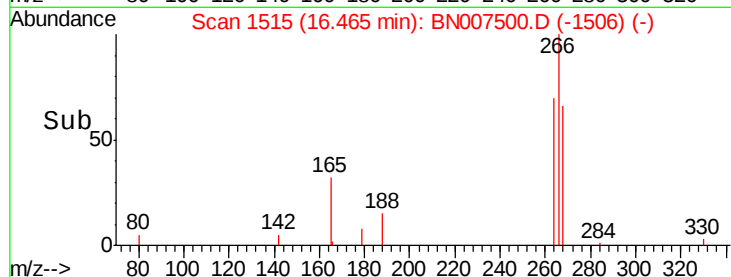
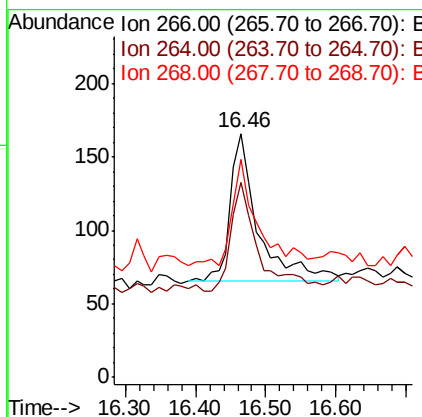
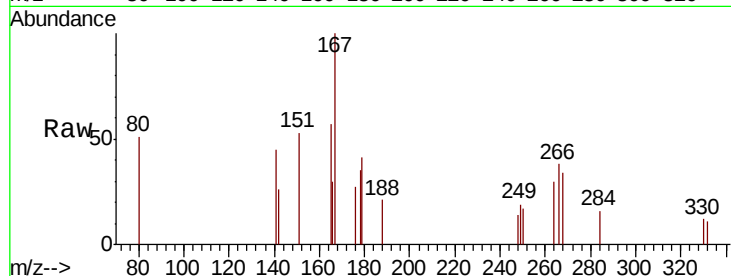




#22
 Pentachlorophenol
 Concen: 0.034 ng
 RT: 16.46 min Scan# 1515
 Delta R.T. -0.01 min
 Lab File: BN007500.D
 Acq: 29 Aug 2019 13:08

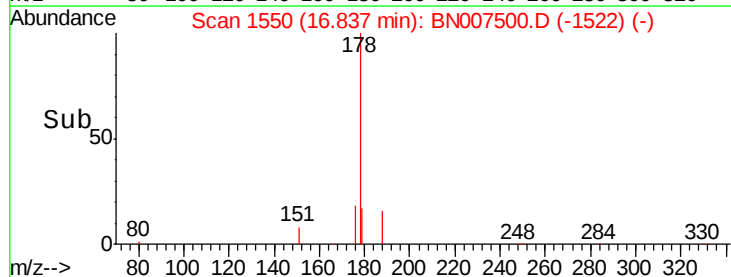
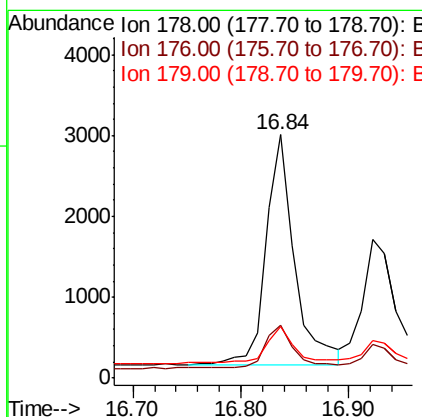
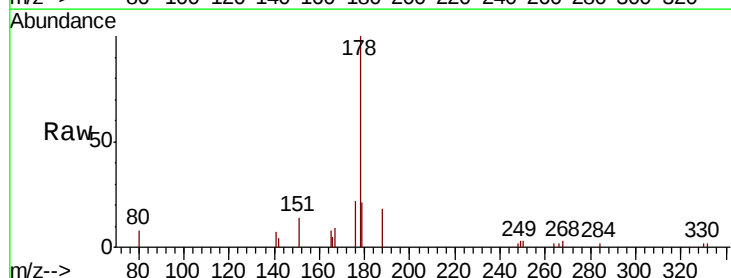
Instrument :
 BNA_N
 ClientSampleId :
 TT-013-IDWSO-20190823RE

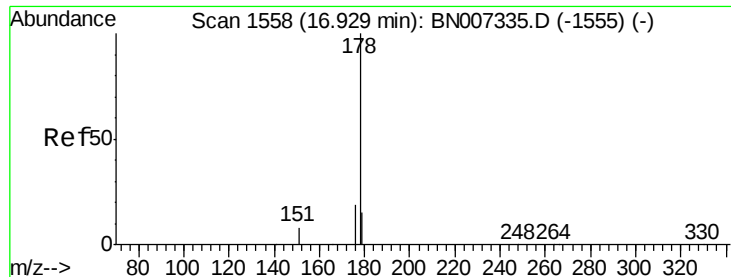
Tot Ion:266 Resp: 272
 Ion Ratio Lower Upper
 266 100
 264 80.1 57.8 86.8
 268 89.2 99.7 149.5#



#23
 Phenanthrene
 Concen: 0.045 ng
 RT: 16.84 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BN007500.D
 Acq: 29 Aug 2019 13:08

Tgt Ion:178 Resp: 5192
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.3 22.9
 179 16.8 12.6 19.0





#24

Anthracene

Concen: 0.028 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007500.D

Acq: 29 Aug 2019 13:08

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823RE

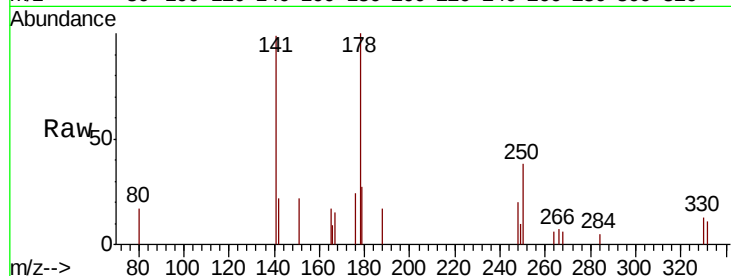
Tot Ion:178 Resp: 3255

Ion Ratio Lower Upper

178 100

176 16.0 14.9 22.3

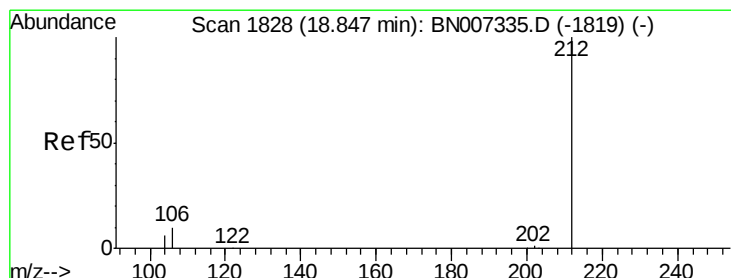
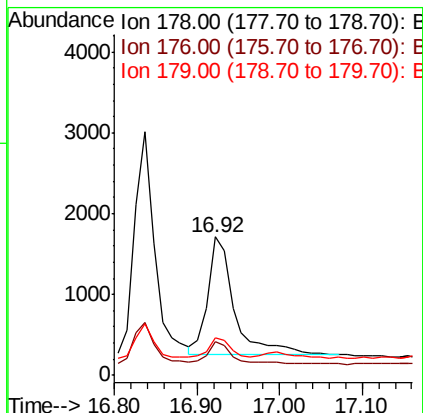
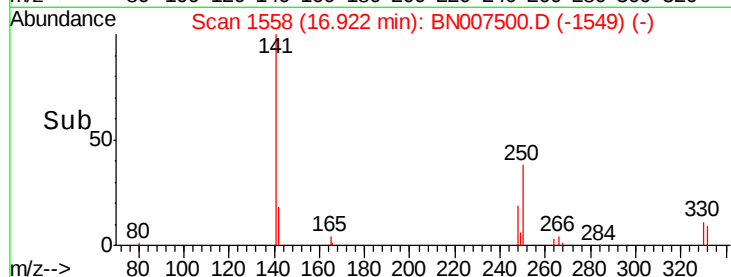
179 12.8 12.4 18.6



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: 0.230 ng

RT: 18.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BN007500.D

Acq: 29 Aug 2019 13:08

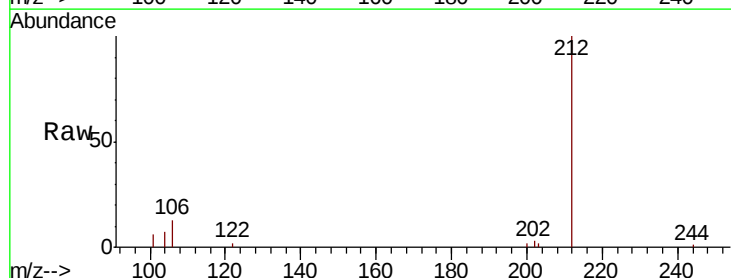
Tgt Ion:212 Resp: 28470

Ion Ratio Lower Upper

212 100

106 11.9 9.0 13.4

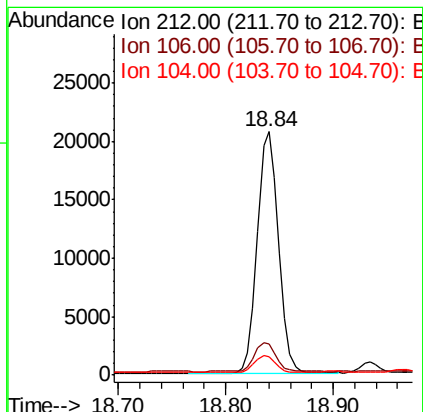
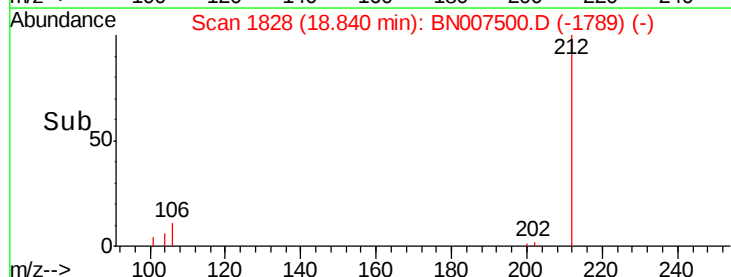
104 7.2 5.4 8.2

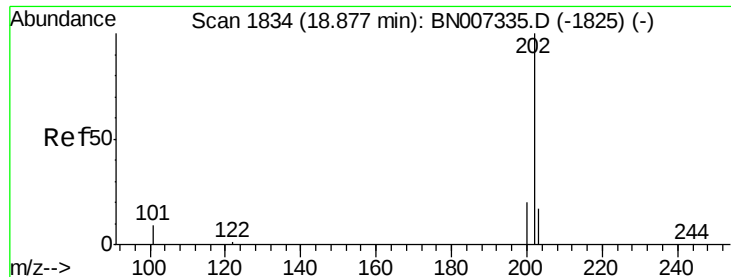


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

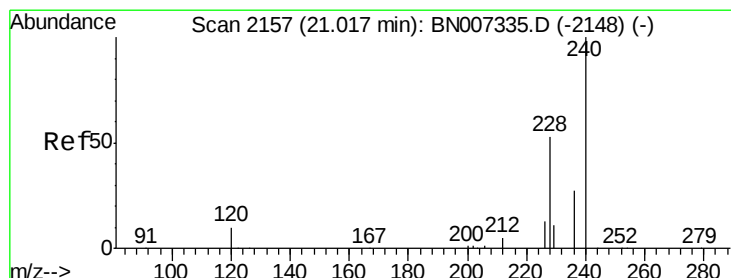
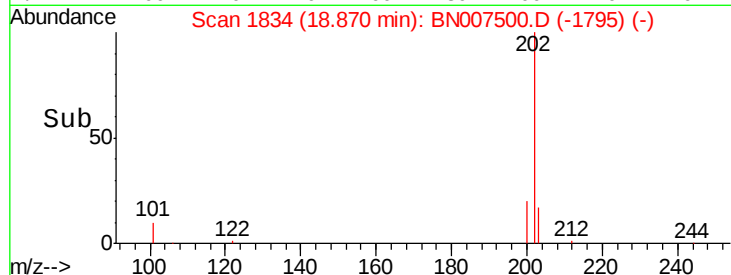
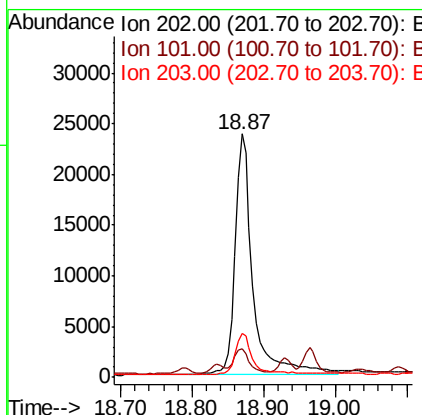
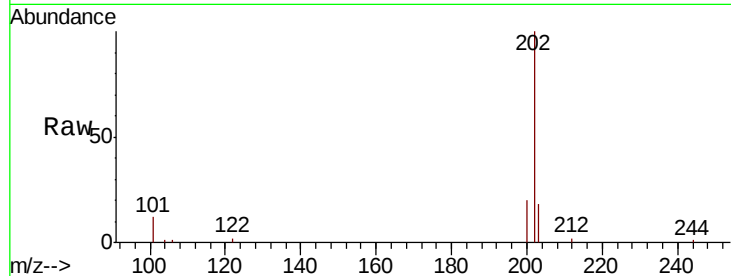




#26
Fluoranthene
Concen: 0.280 ng
RT: 18.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BN007500.D
Acq: 29 Aug 2019 13:08

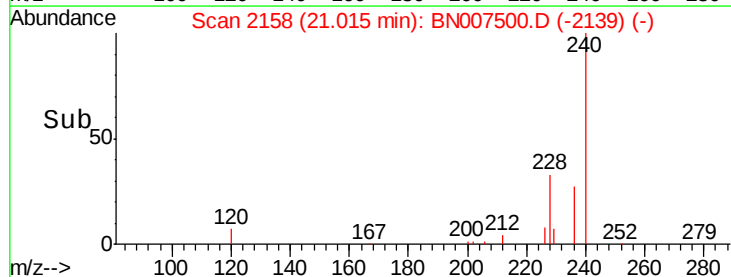
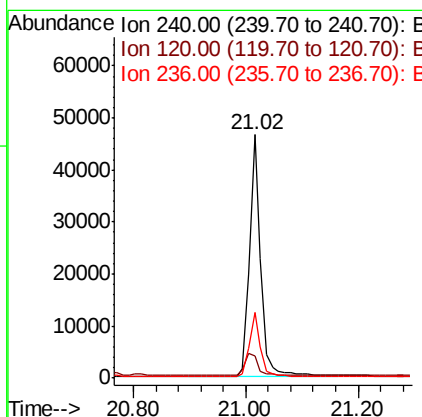
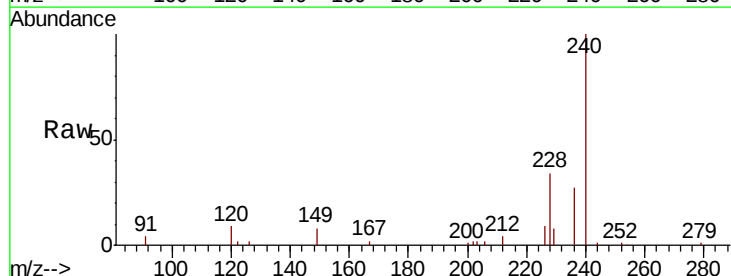
Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823RE

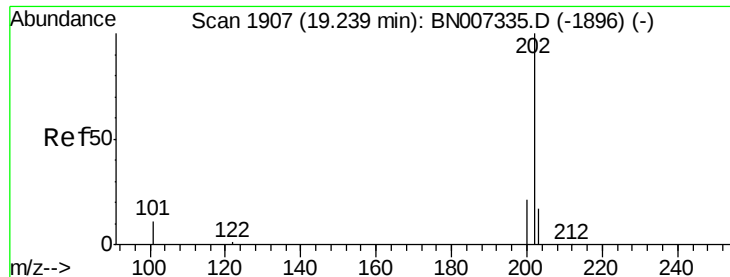
Tot Ion:202 Resp: 41417
Ion Ratio Lower Upper
202 100
101 8.1 7.7 11.5
203 16.9 13.7 20.5



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007500.D
Acq: 29 Aug 2019 13:08

Tgt Ion:240 Resp: 65569
Ion Ratio Lower Upper
240 100
120 8.9 9.6 14.4#
236 27.0 22.2 33.2

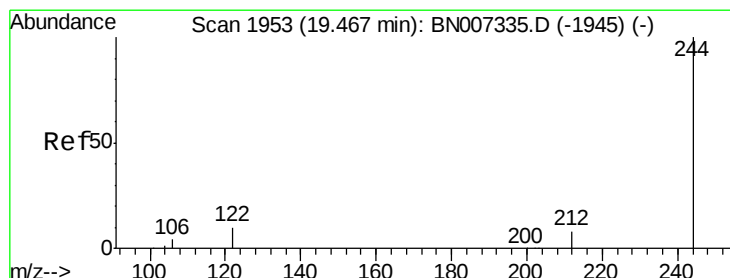
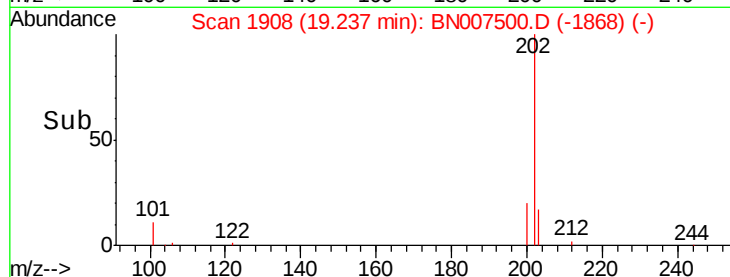
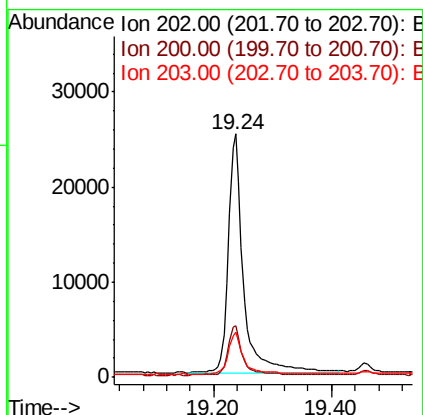
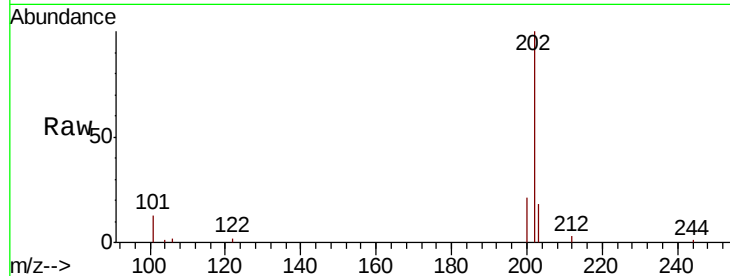




#28
Pvrene
Concen: 0.171 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007500.D
Acq: 29 Aug 2019 13:08

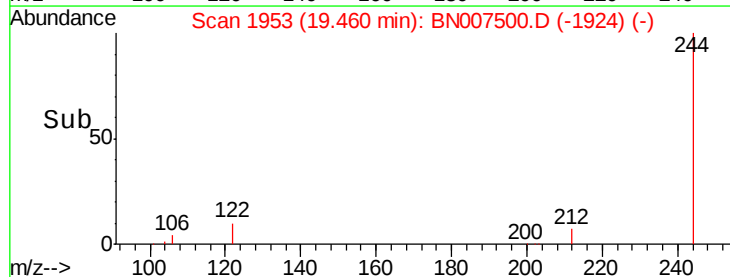
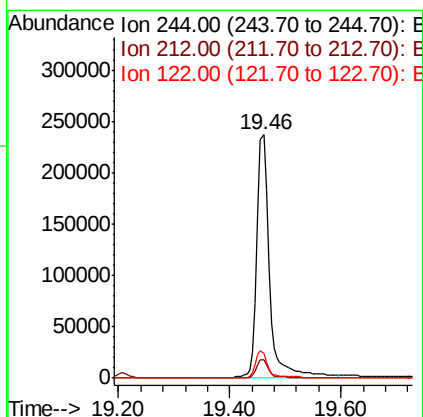
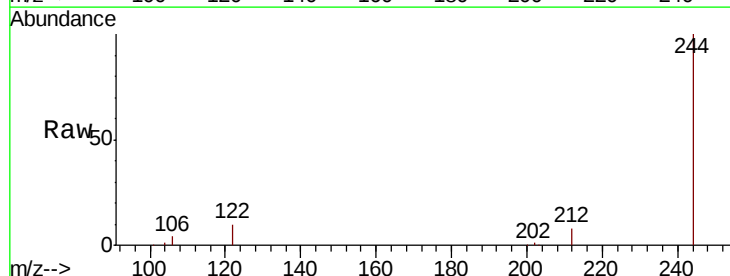
Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823RE

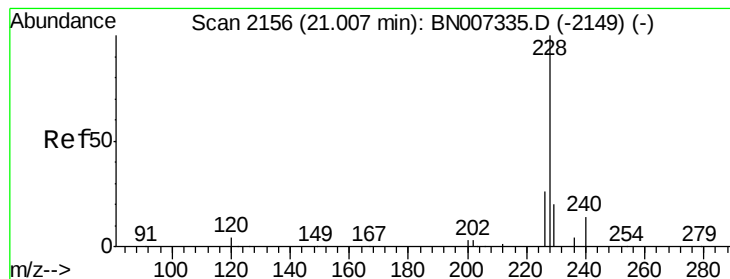
Tot Ion:202 Resp: 44975
Ion Ratio Lower Upper
202 100
200 20.6 16.6 25.0
203 17.4 14.2 21.4



#29
Terphenyl-d14
Concen: 2.190 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BN007500.D
Acq: 29 Aug 2019 13:08

Tgt Ion:244 Resp: 375780
Ion Ratio Lower Upper
244 100
212 7.5 7.0 10.6
122 10.2 9.6 14.4





#30

Benzo(a)anthracene

Concen: 0.292 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007500.D

Acq: 29 Aug 2019 13:08

Instrument :

BNA_N

ClientSampleId :

TT-013-IDWSO-20190823RE

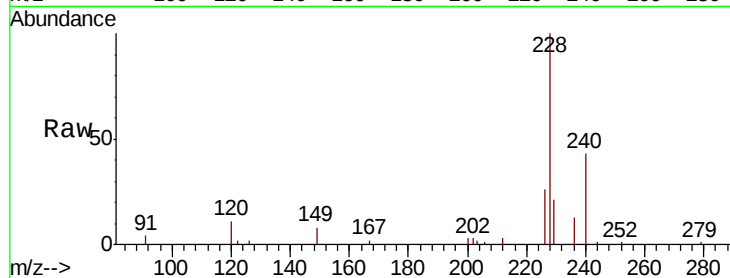
Tot Ion:228 Resp: 75235

Ion Ratio Lower Upper

228 100

226 26.1 21.3 31.9

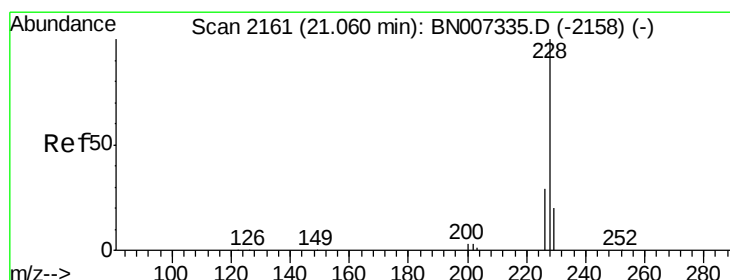
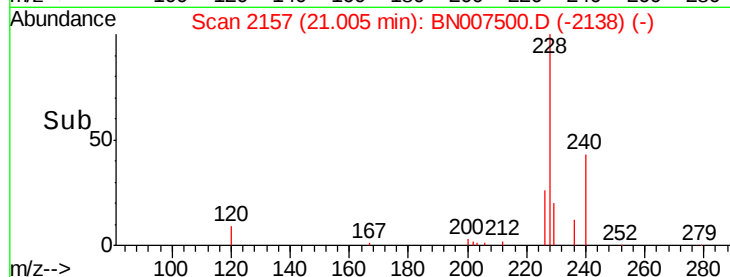
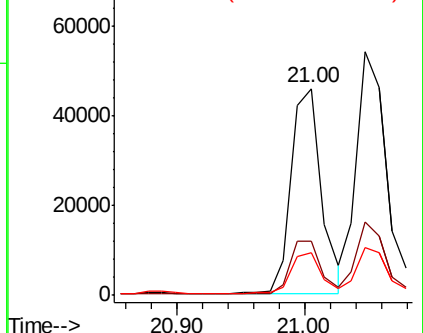
229 20.8 16.1 24.1



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: 0.347 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN007500.D

Acq: 29 Aug 2019 13:08

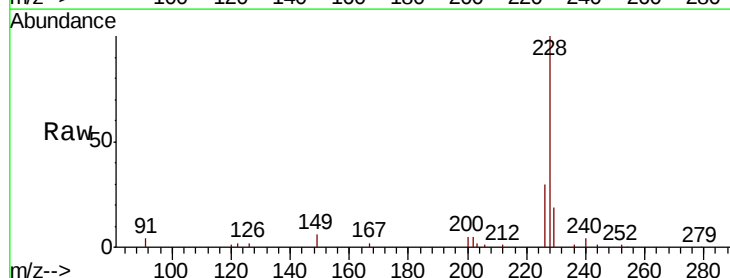
Tgt Ion:228 Resp: 86129

Ion Ratio Lower Upper

228 100

226 29.9 23.5 35.3

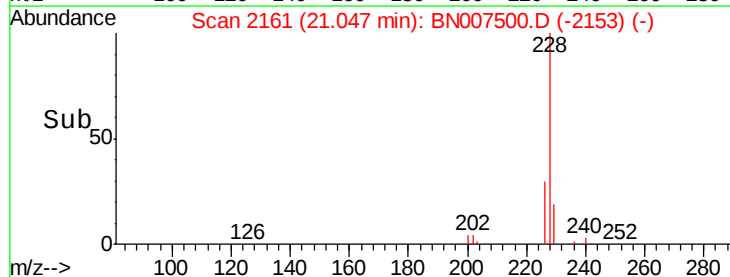
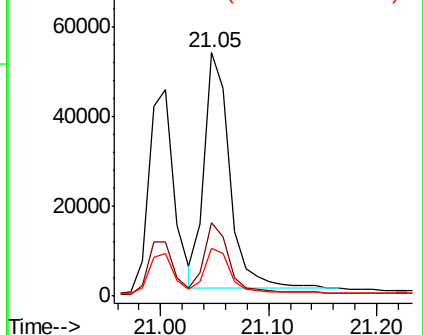
229 19.4 16.6 24.8

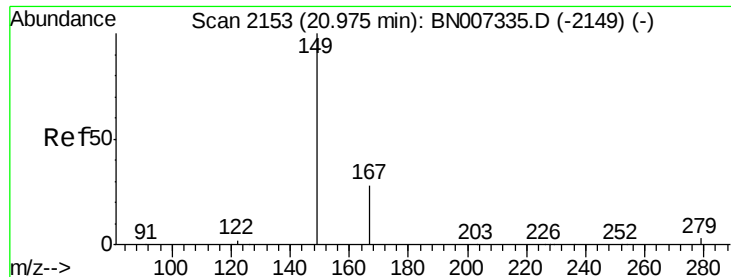


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

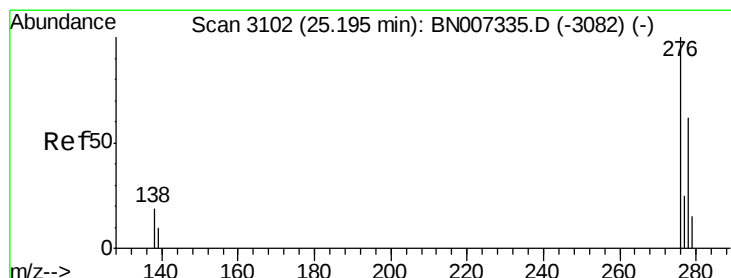
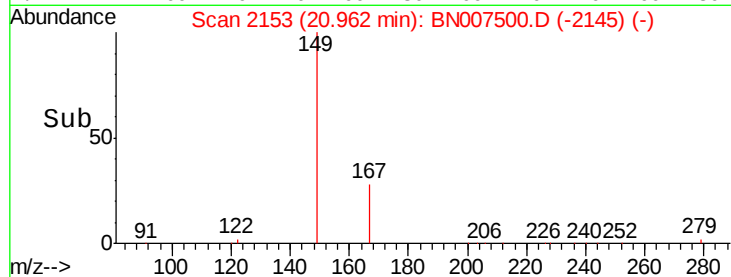
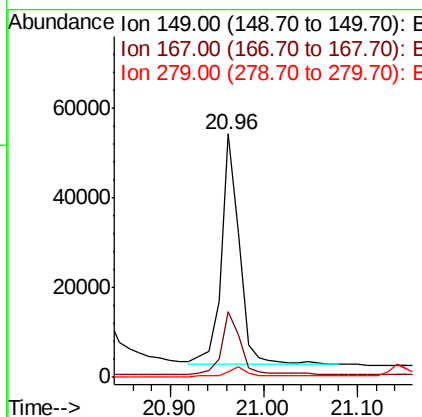
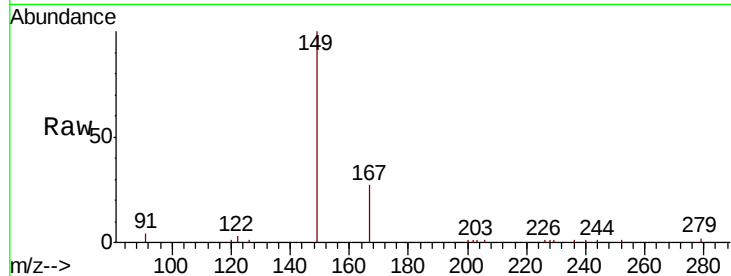




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.396 ng
 RT: 20.96 min Scan# 2153
 Delta R.T. -0.01 min
 Lab File: BN007500.D
 Acq: 29 Aug 2019 13:08

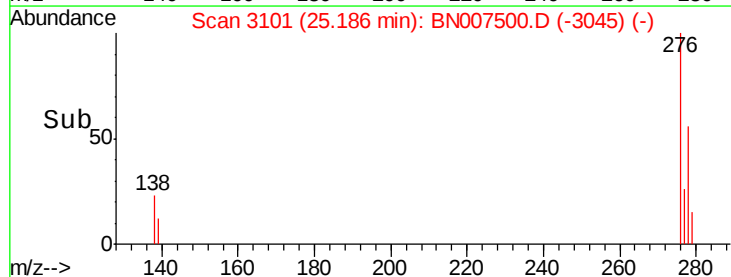
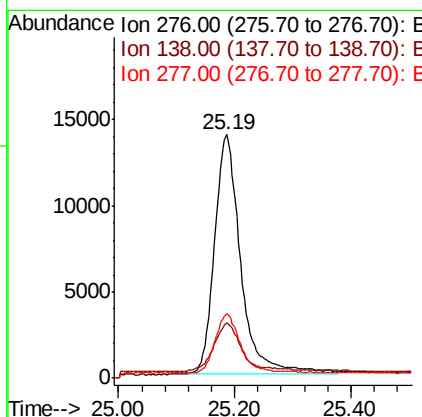
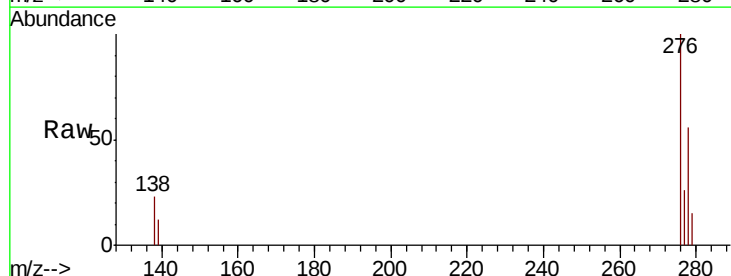
Instrument :
 BNA_N
 ClientSampleId :
 TT-013-IDWSO-20190823RE

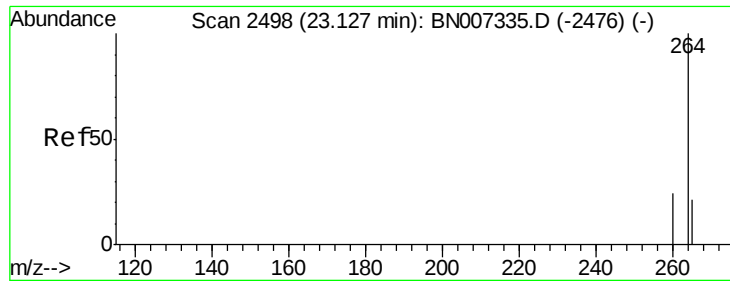
Tot Ion:149 Resp: 69093
 Ion Ratio Lower Upper
 149 100
 167 28.5 22.8 34.2
 279 4.1 3.5 5.3



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.144 ng
 RT: 25.19 min Scan# 3101
 Delta R.T. -0.01 min
 Lab File: BN007500.D
 Acq: 29 Aug 2019 13:08

Tgt Ion:276 Resp: 42984
 Ion Ratio Lower Upper
 276 100
 138 20.3 15.1 22.7
 277 23.3 19.7 29.5

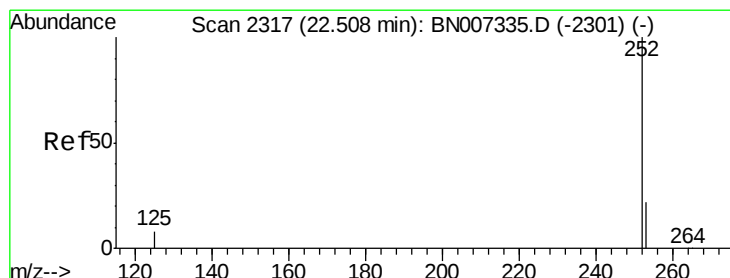
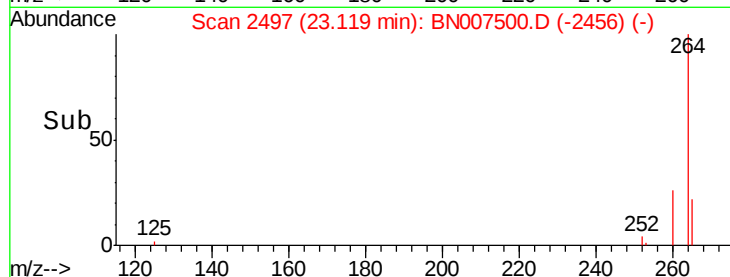
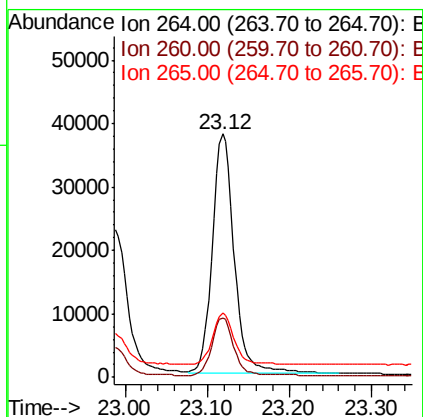
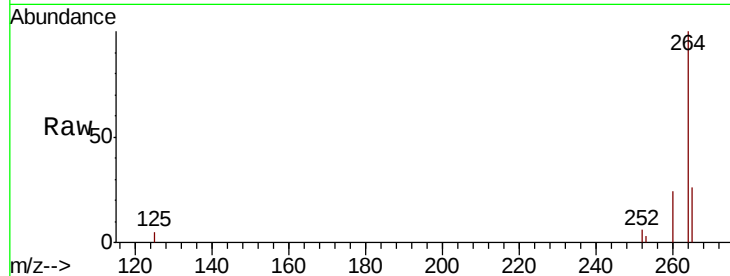




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BN007500.D
Acq: 29 Aug 2019 13:08

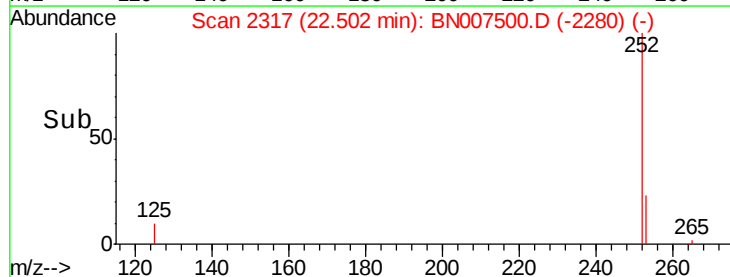
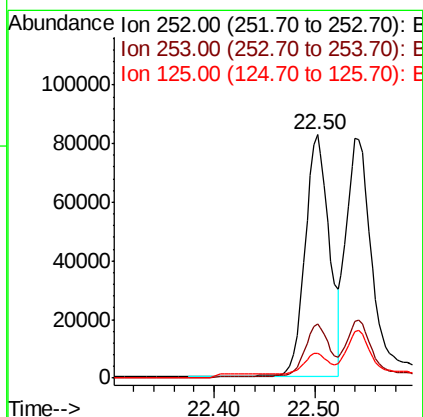
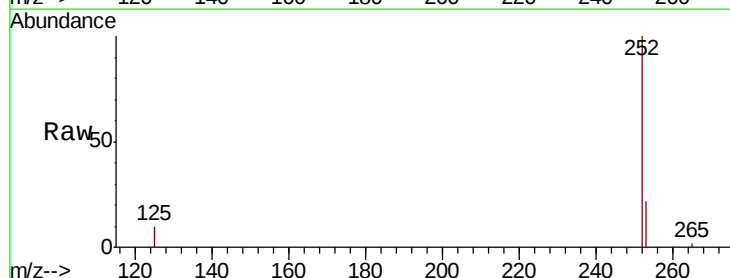
Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823RE

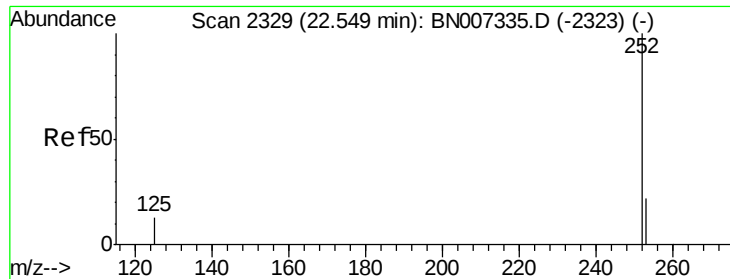
Tot Ion:264 Resp: 69618
Ion Ratio Lower Upper
264 100
260 24.4 19.7 29.5
265 26.3 29.9 44.9#



#35
Benzo(b)fluoranthene
Concen: 0.639 ng
RT: 22.50 min Scan# 2317
Delta R.T. -0.01 min
Lab File: BN007500.D
Acq: 29 Aug 2019 13:08

Tgt Ion:252 Resp: 161084
Ion Ratio Lower Upper
252 100
253 22.4 19.2 28.8
125 10.1 10.6 16.0#

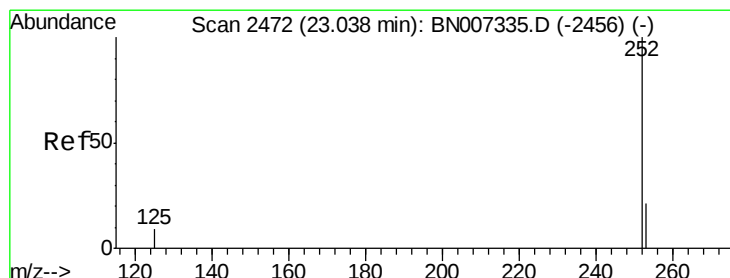
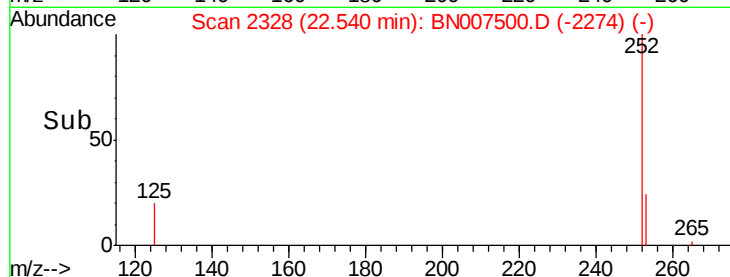
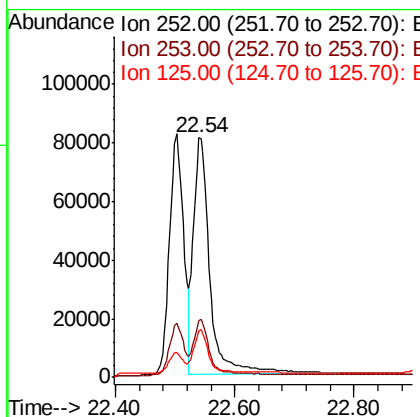
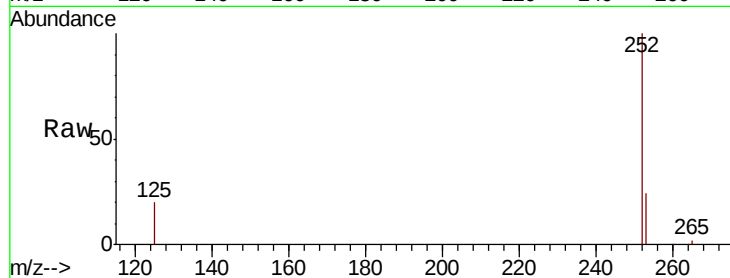




#36
Benzo(k)fluoranthene
Concen: 0.622 ng
RT: 22.54 min Scan# 2328
Delta R.T. -0.01 min
Lab File: BN007500.D
Acq: 29 Aug 2019 13:08

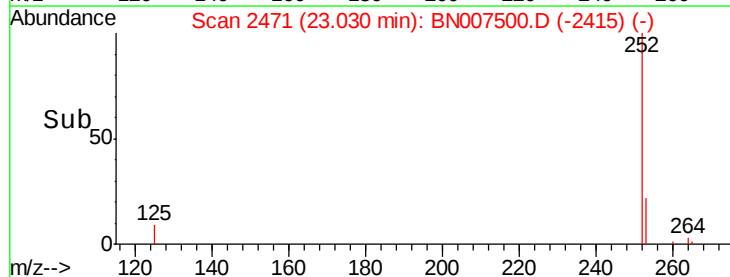
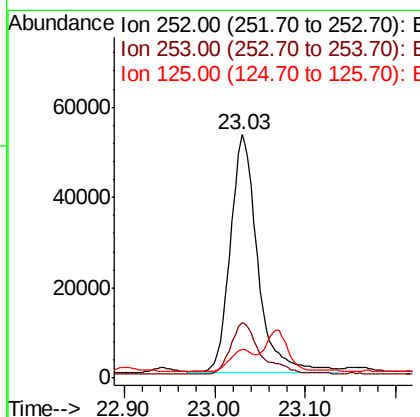
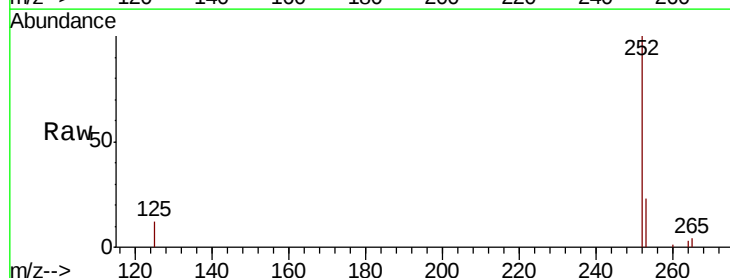
Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823RE

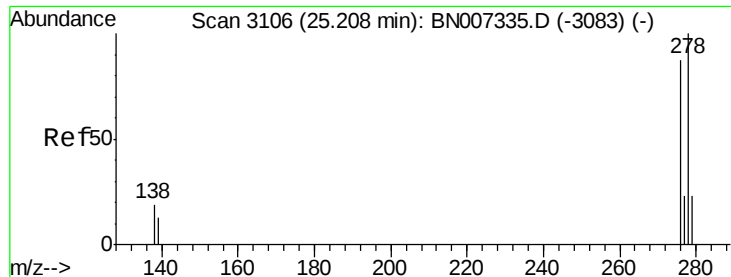
Tot Ion:252 Resp: 155086
Ion Ratio Lower Upper
252 100
253 23.7 19.4 29.2
125 19.7 13.1 19.7#



#37
Benzo(a)pyrene
Concen: 0.456 ng
RT: 23.03 min Scan# 2471
Delta R.T. -0.01 min
Lab File: BN007500.D
Acq: 29 Aug 2019 13:08

Tgt Ion:252 Resp: 109352
Ion Ratio Lower Upper
252 100
253 22.7 19.5 29.3
125 11.9 12.1 18.1#

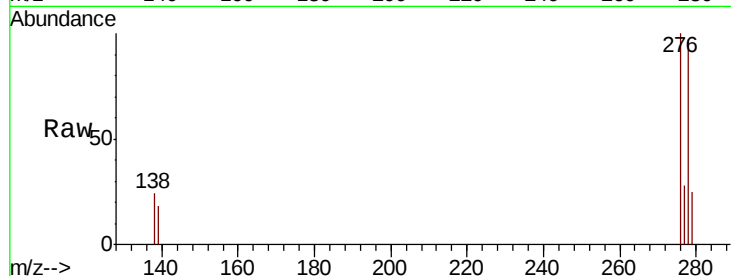




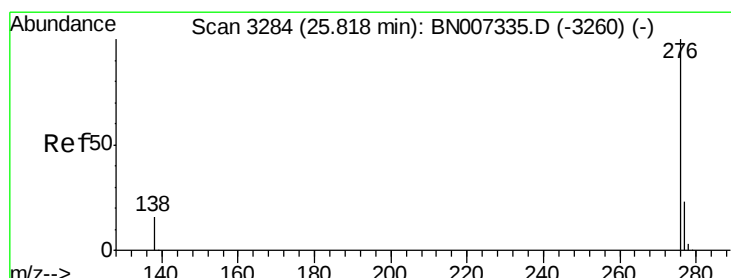
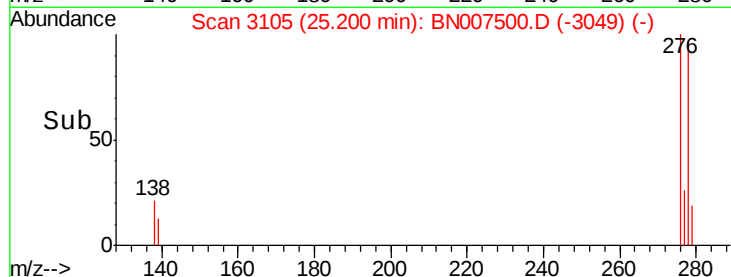
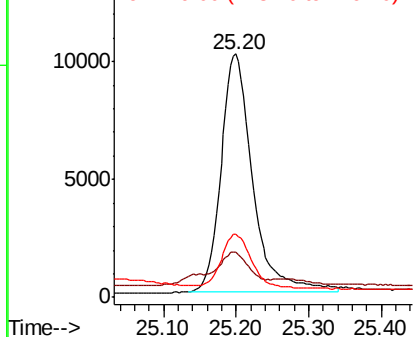
#38
Dibenzo(a,h)anthracene
Concen: 0.127 ng
RT: 25.20 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BN007500.D
Acq: 29 Aug 2019 13:08

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823RE

Tot Ion:278 Resp: 30343
Ion Ratio Lower Upper
278 100
139 18.4 13.7 20.5
279 25.9 20.2 30.4

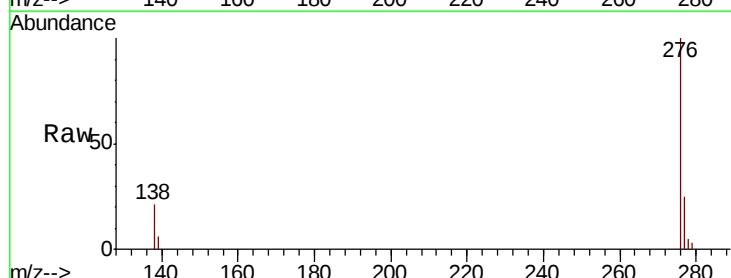


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#39
Benzo(g,h,i)perylene
Concen: 0.132 ng
RT: 25.81 min Scan# 3283
Delta R.T. -0.01 min
Lab File: BN007500.D
Acq: 29 Aug 2019 13:08

Tgt Ion:276 Resp: 31603
Ion Ratio Lower Upper
276 100
277 25.2 19.6 29.4
138 21.1 16.3 24.5



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

