

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081319\
 Data File : BF116253.D
 Acq On : 14 Aug 2019 1:44
 Operator : HP/JU
 Sample : K4319-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-1

Quant Time: Aug 14 05:36:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

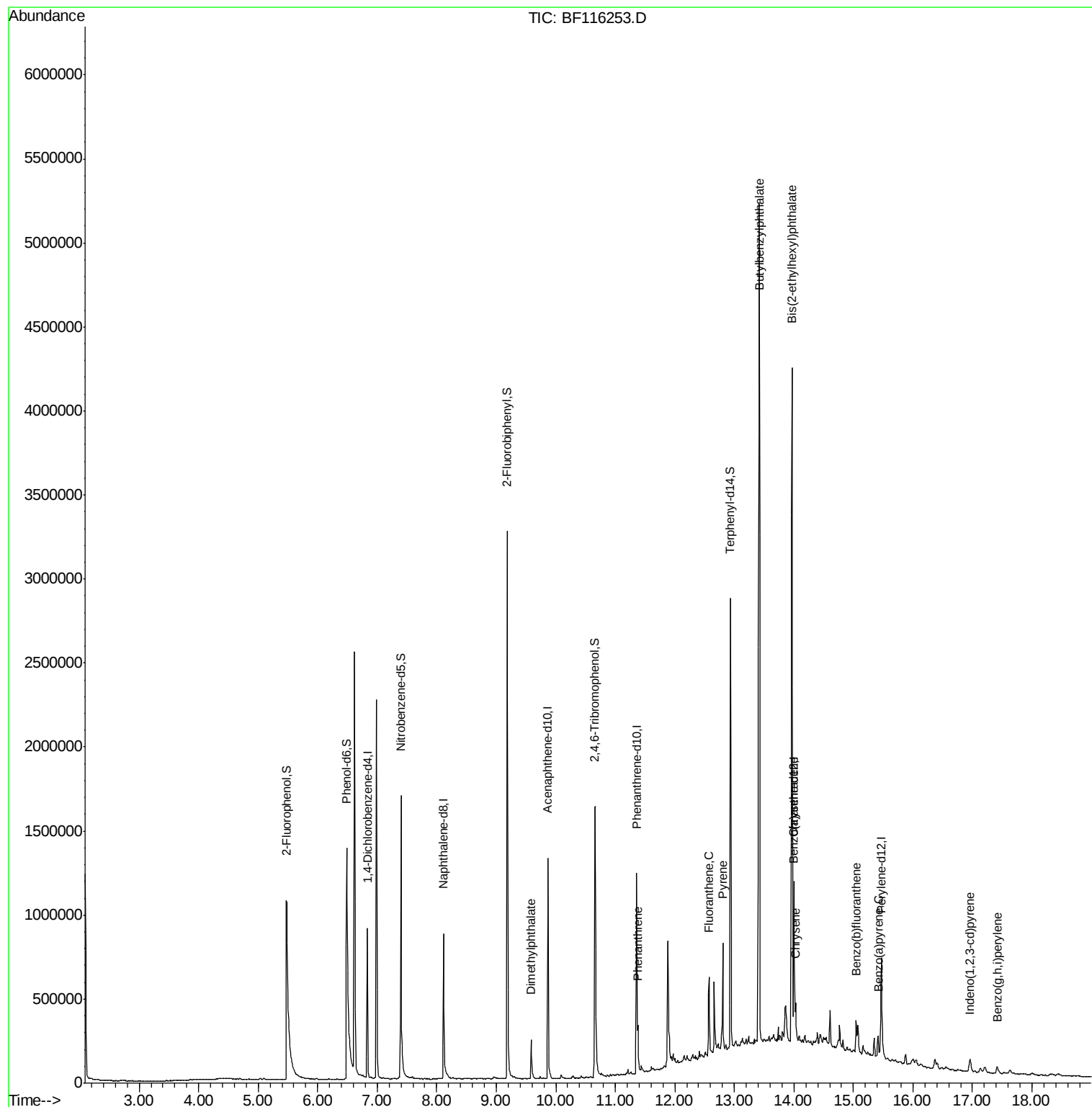
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	133072	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	530305	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	276521	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	462301	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	302743	20.00	ng	0.00
87) Perylene-d12	15.47	264	315862	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	809438	101.83	ng	0.01
7) Phenol-d6	6.49	99	1091841	108.87	ng	0.00
23) Nitrobenzene-d5	7.40	82	654977	71.29	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	273564	102.04	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1079407	73.12	ng	-0.02
79) Terphenyl-d14	12.94	244	1014219	70.59	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.59	163	132155	7.019	ng	98
71) Phenanthrene	11.38	178	102787	4.349	ng	99
75) Fluoranthene	12.57	202	194554	7.863	ng	100
78) Pyrene	12.80	202	169910	7.445	ng	98
80) Butylbenzylphthalate	13.42	149	1759553	182.271	ng	95
81) Benzo(a)anthracene	13.99	228	79379	4.102	ng	96
83) Chrysene	14.03	228	89247	4.751	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	1226939	97.806	ng	# 99
86) Indeno(1,2,3-cd)pyrene	16.96	276	44090	2.794	ng	# 93
88) Benzo(b)fluoranthene	15.05	252	121421m	6.648	ng	
90) Benzo(a)pyrene	15.42	252	68685	4.207	ng	# 96
92) Benzo(a,h,i)perylene	17.42	276	42058	3.030	ng	94

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

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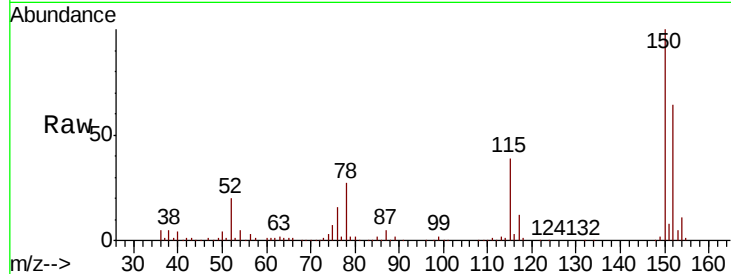


#1

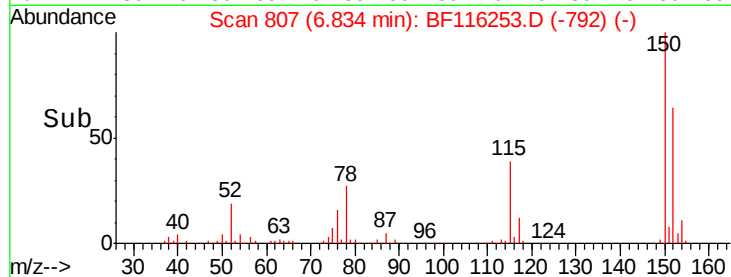
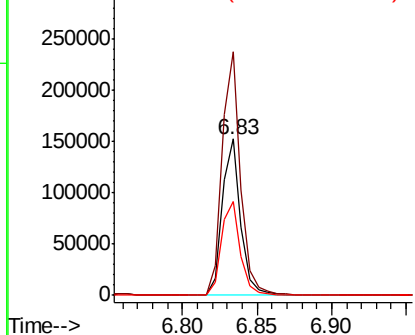
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF116253.D
 Acq: 14 Aug 2019 1:44

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-1

Tot Ion:152 Resp: 133072
 Ion Ratio Lower Upper
 152 100
 150 155.6 126.2 189.2
 115 60.3 49.9 74.9



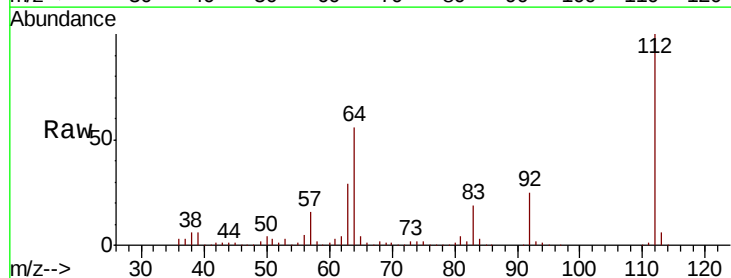
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



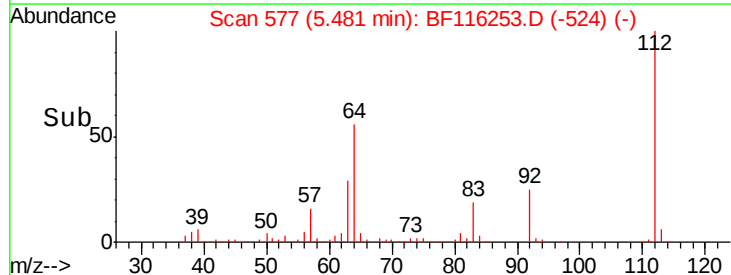
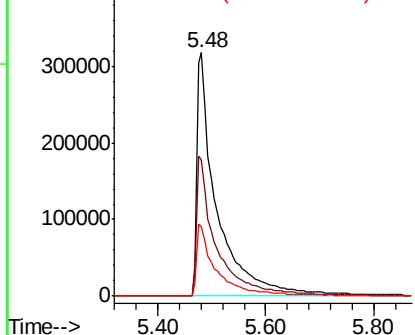
#5

2-Fluorophenol
 Concen: 101.828 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: BF116253.D
 Acq: 14 Aug 2019 1:44

Tgt Ion:112 Resp: 809438
 Ion Ratio Lower Upper
 112 100
 64 55.8 45.4 68.2
 63 28.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 108.867 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-1

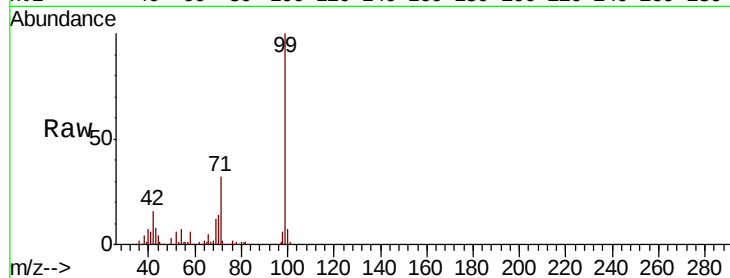
Tot Ion: 99 Resp: 1091841

Ion Ratio Lower Upper

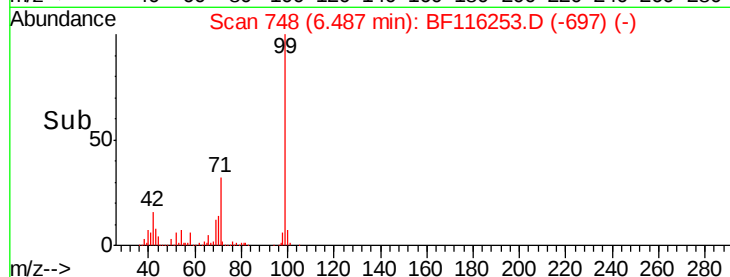
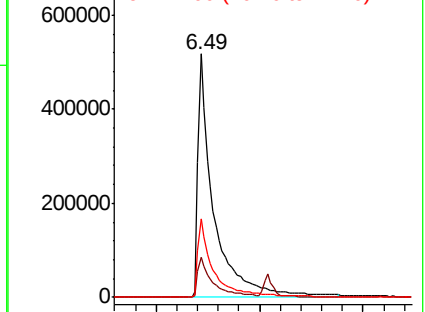
99 100

42 16.4 13.8 20.8

71 32.4 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

Tgt Ion: 136 Resp: 530305

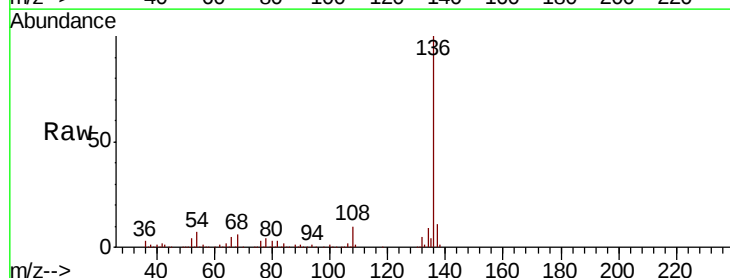
Ion Ratio Lower Upper

136 100

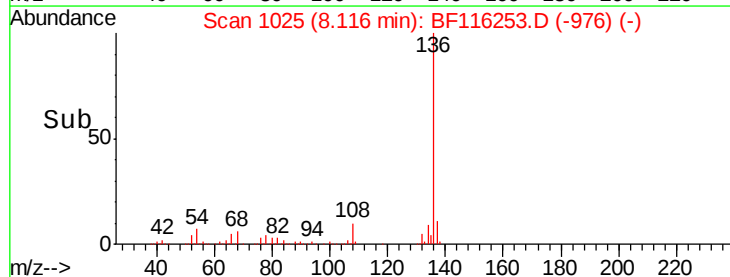
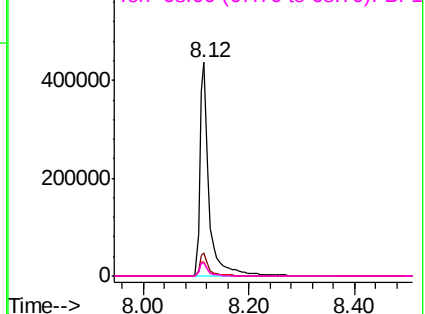
137 11.1 9.0 13.4

54 6.6 5.8 8.6

68 5.9 5.2 7.8



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): BF1
Ion 68.00 (67.70 to 68.70): BF1

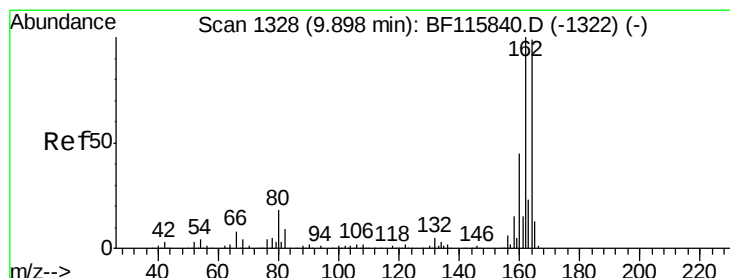
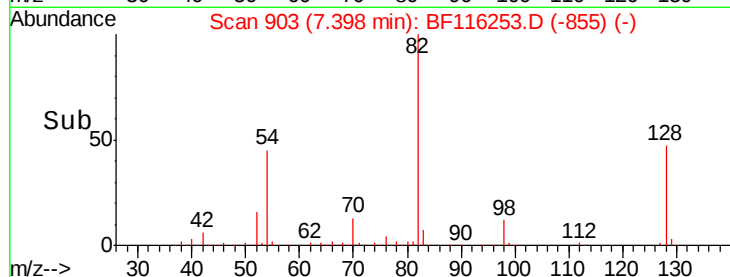
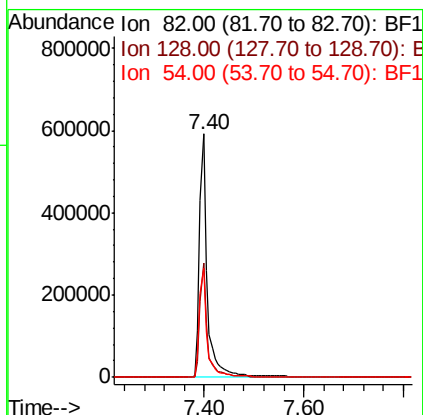
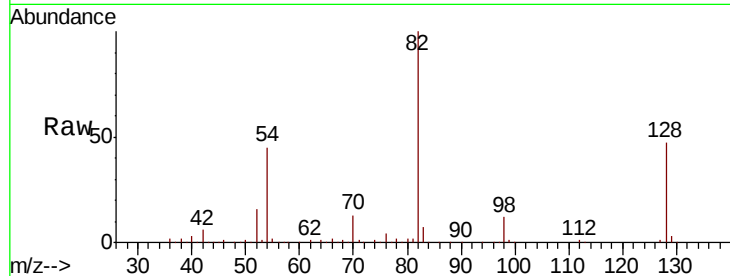




#23
 Nitrobenzene-d5
 Concen: 71.294 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF116253.D
 Acq: 14 Aug 2019 1:44

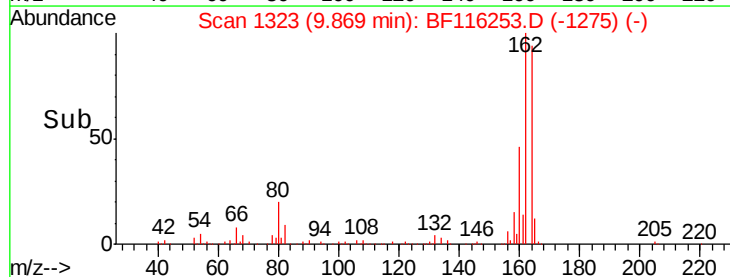
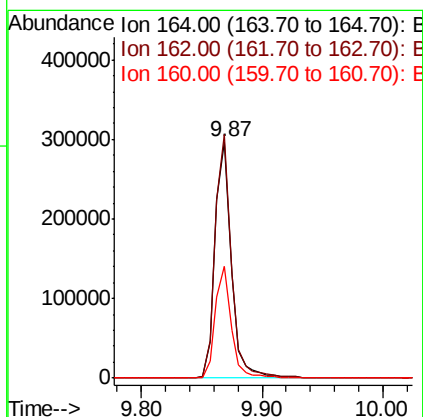
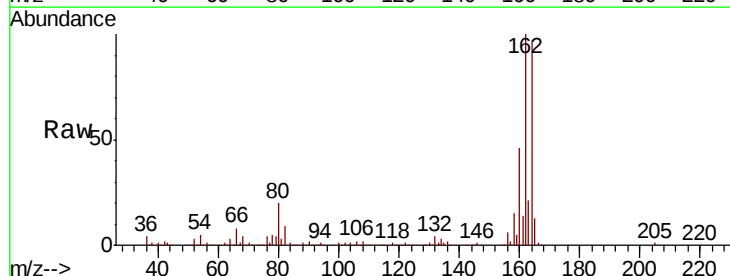
Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-1

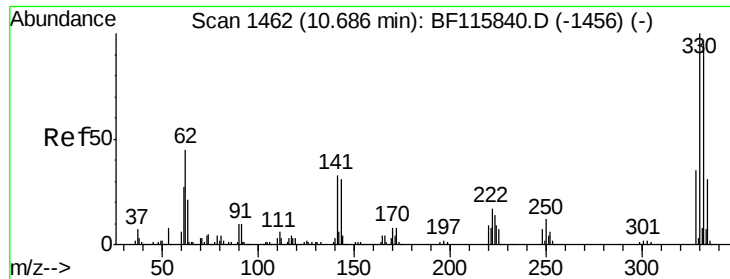
Tot Ion: 82 Resp: 654977
 Ion Ratio Lower Upper
 82 100
 128 46.8 36.5 54.7
 54 45.0 36.0 54.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF116253.D
 Acq: 14 Aug 2019 1:44

Tgt Ion: 164 Resp: 276521
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.6 124.0
 160 47.1 37.6 56.4

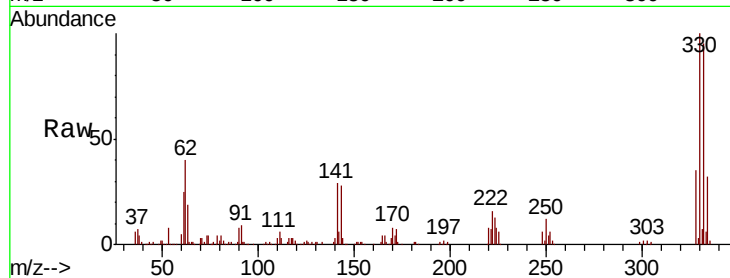




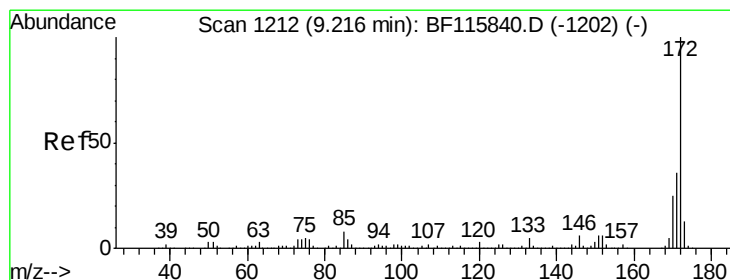
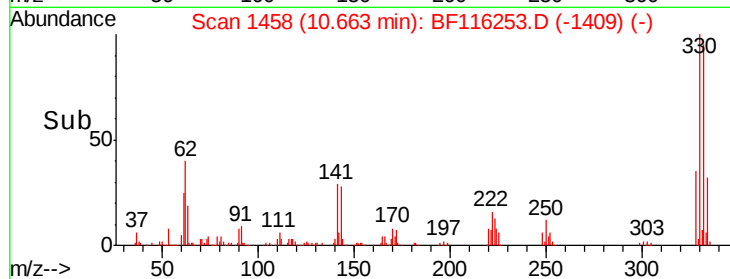
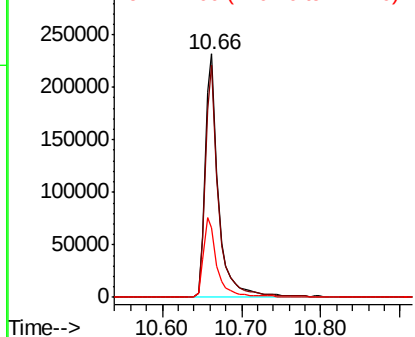
#42
 2,4,6-Tribromophenol
 Concen: 102.040 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116253.D
 Acq: 14 Aug 2019 1:44

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-1

Tot Ion:330 Resp: 273564
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.8 115.2
 141 34.7 26.3 39.5

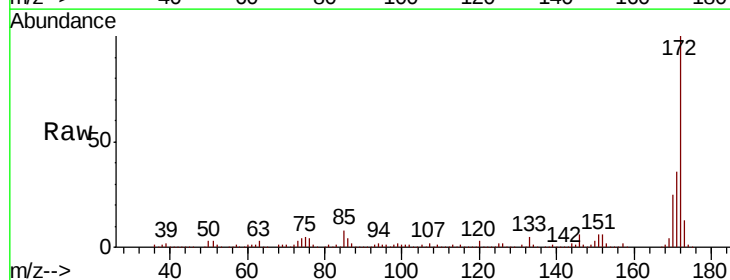


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

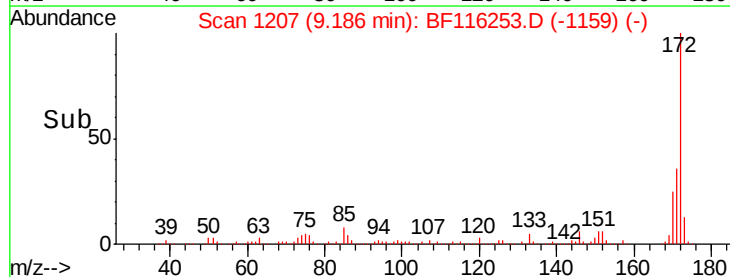
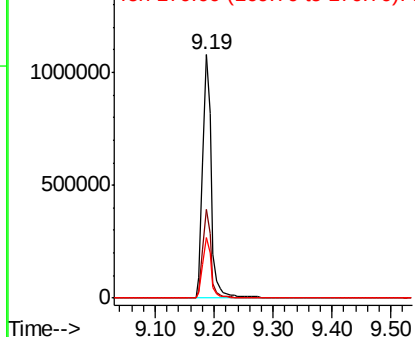


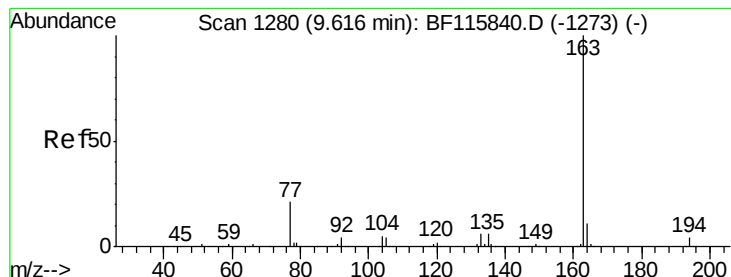
#45
 2-Fluorobiphenyl
 Concen: 73.116 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF116253.D
 Acq: 14 Aug 2019 1:44

Tgt Ion:172 Resp: 1079407
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 25.0 20.1 30.1



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





#50

Dimethylphthalate

Concen: 7.019 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-1

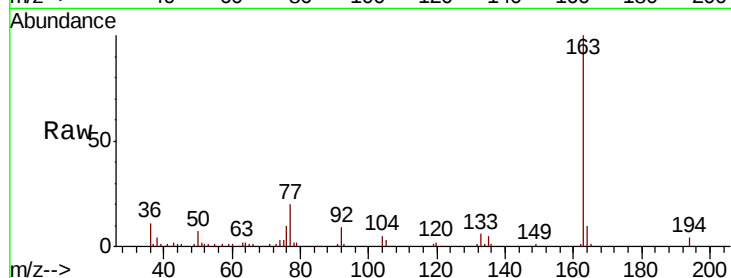
Tot Ion:163 Resp: 132155

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

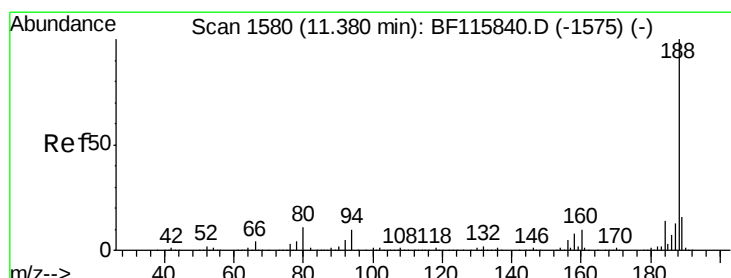
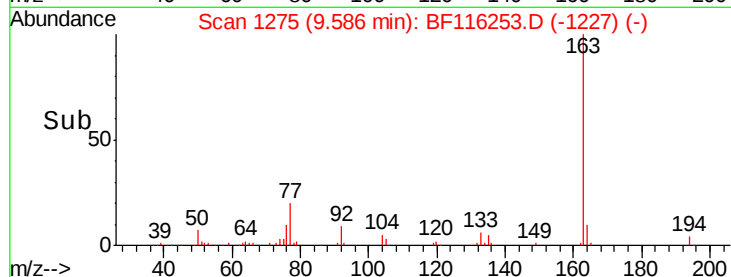
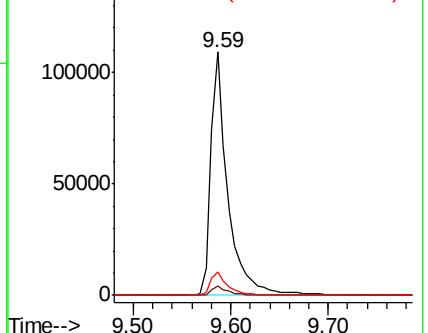
164 9.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

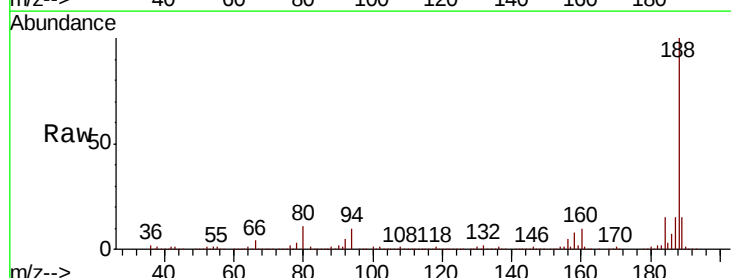
Tgt Ion:188 Resp: 462301

Ion Ratio Lower Upper

188 100

94 9.6 8.1 12.1

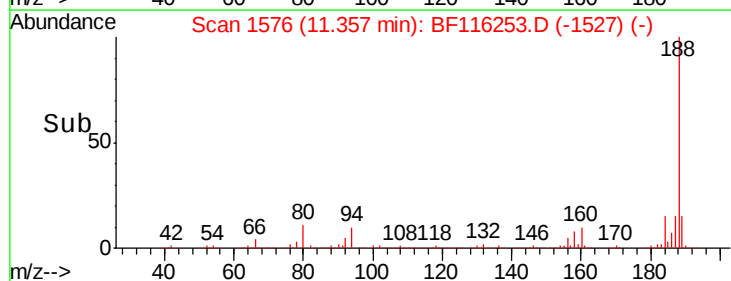
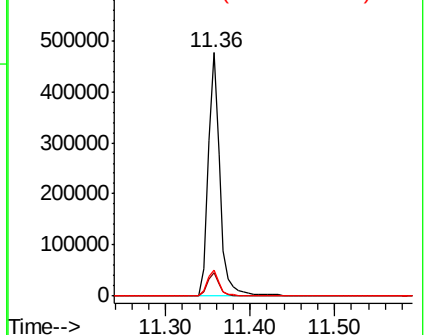
80 10.6 8.7 13.1

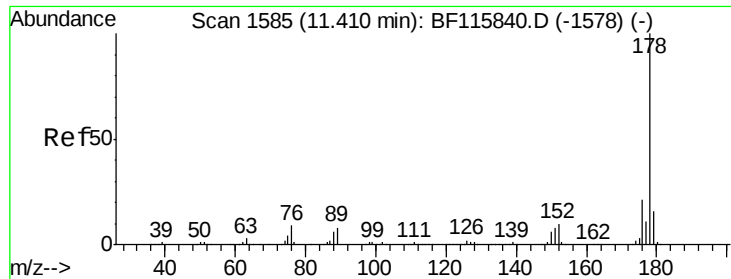


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

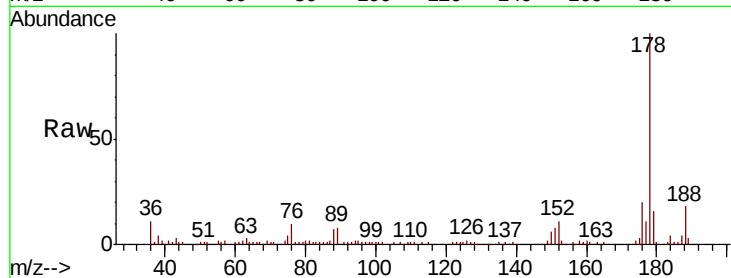




#71
Phenanthrene
Concen: 4.349 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.6	24.8
179	15.6	12.5	18.7

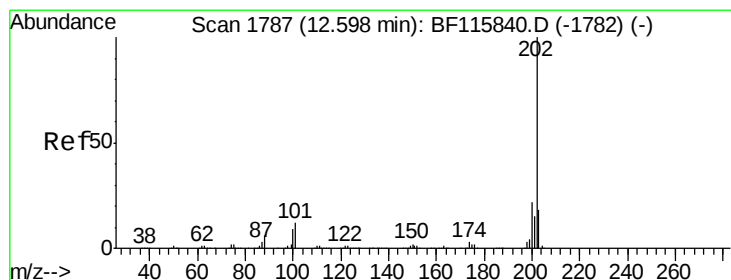
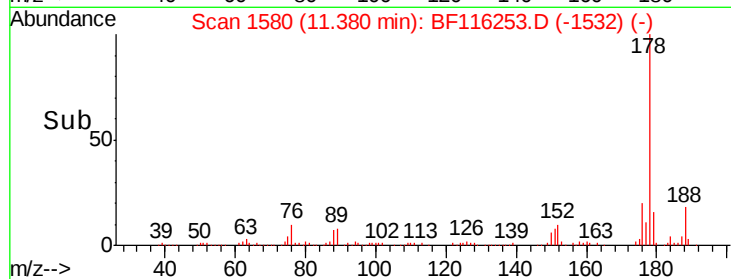
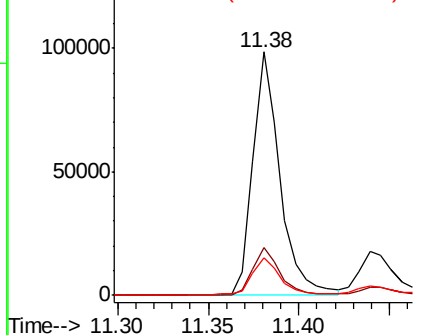


Abundance

Ion 178.00 (177.70 to 178.70): E

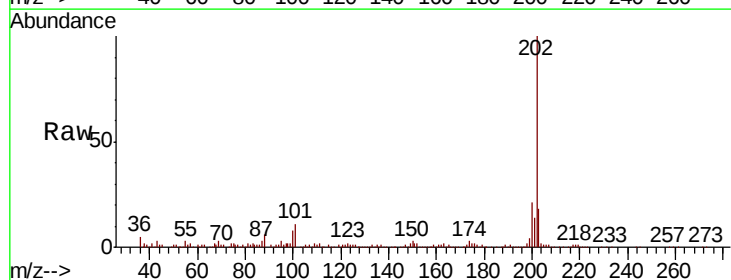
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 7.863 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.2
203	17.8	0.0	37.8

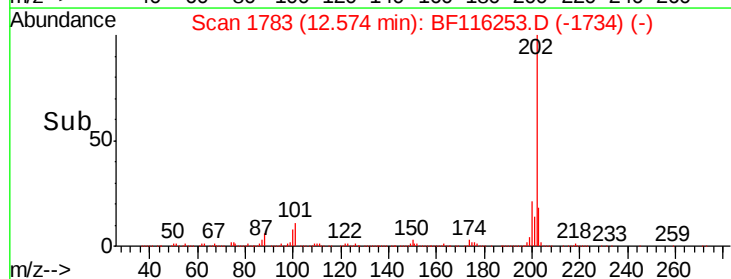
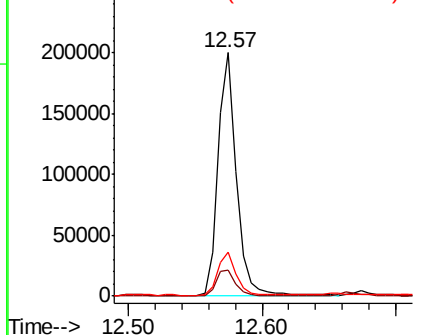


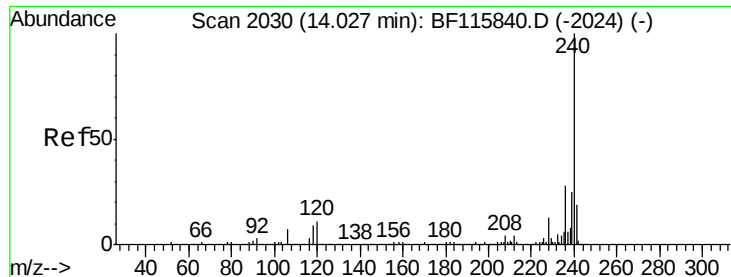
Abundance

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

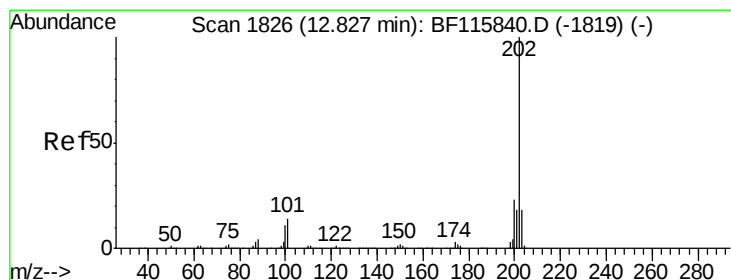
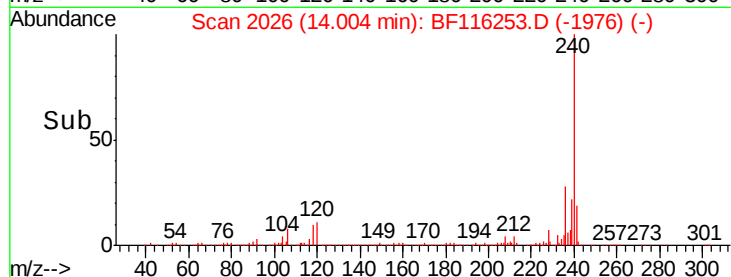
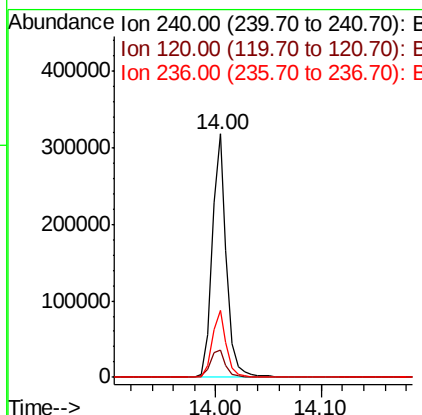
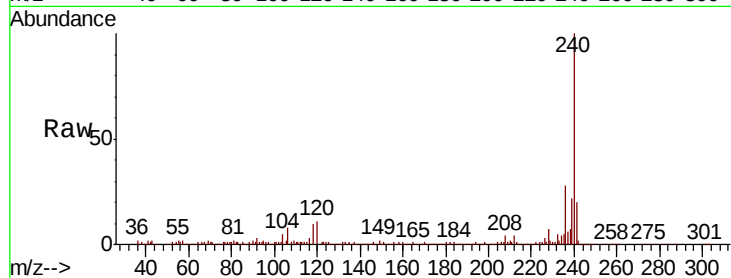




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

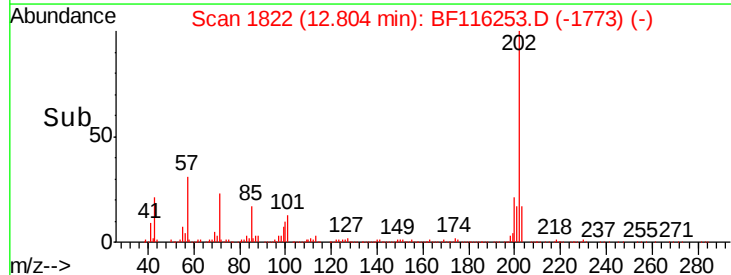
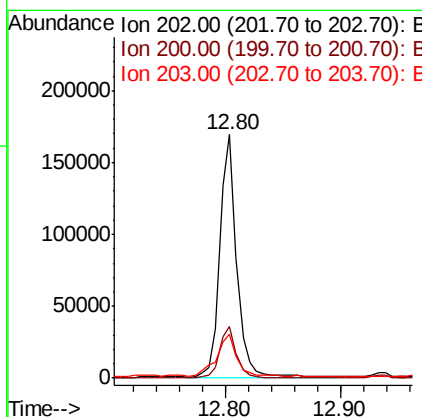
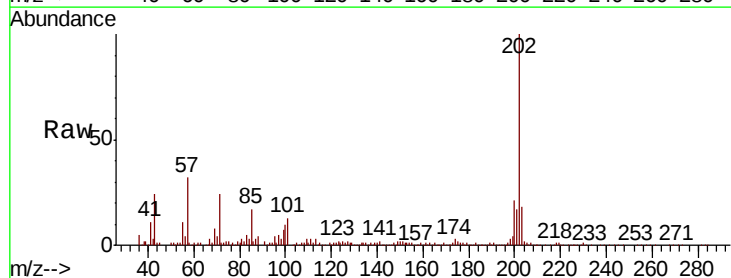
Instrument :
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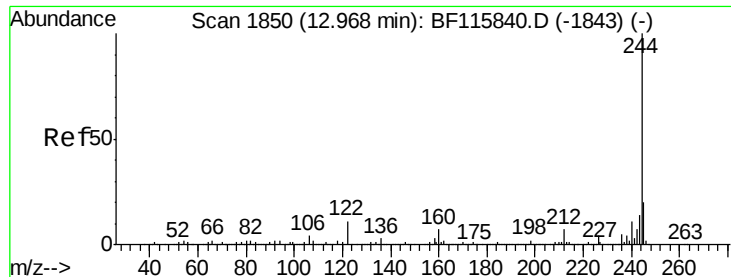
Tot Ion:240 Resp: 302743
Ion Ratio Lower Upper
240 100
120 11.3 10.7 16.1
236 27.5 22.2 33.2



#78
Pyrene
Concen: 7.445 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

Tgt Ion:202 Resp: 169910
Ion Ratio Lower Upper
202 100
200 21.2 18.0 27.0
203 17.9 14.1 21.1





#79

Terphenyl-d14

Concen: 70.592 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-1

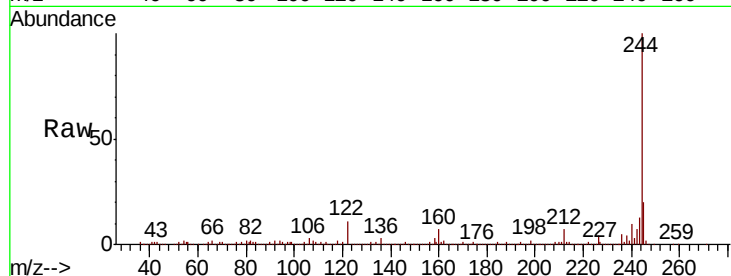
Tot Ion:244 Resp: 1014219

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

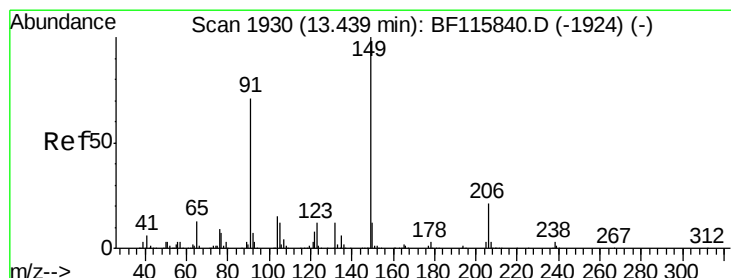
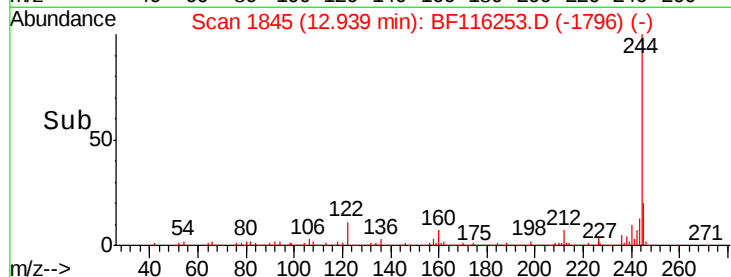
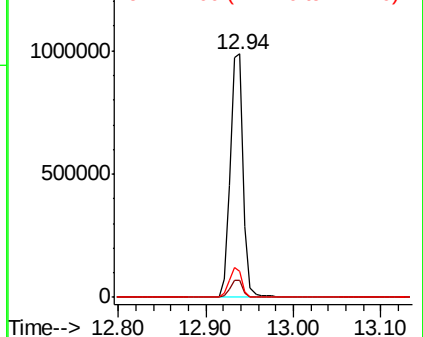
122 10.8 9.0 13.4



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



#80

Butylbenzylphthalate

Concen: 182.271 ng

RT: 13.42 min Scan# 1927

Delta R.T. -0.00 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

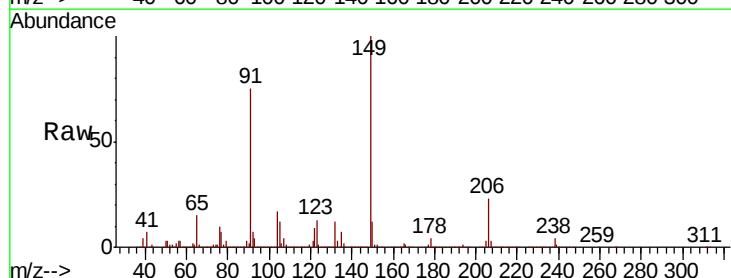
Tgt Ion:149 Resp: 1759553

Ion Ratio Lower Upper

149 100

91 75.0 56.3 84.5

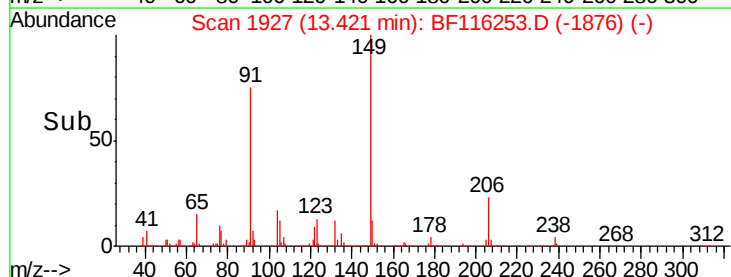
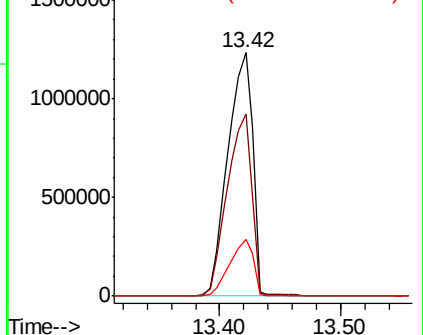
206 23.1 18.0 27.0

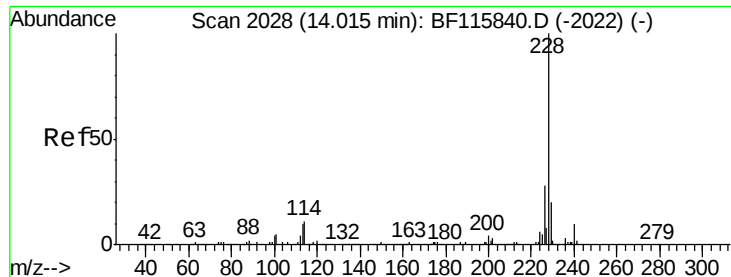


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

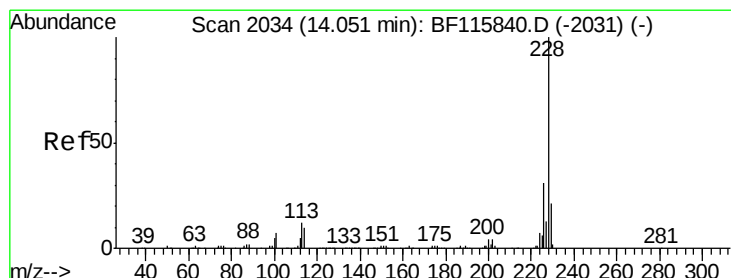
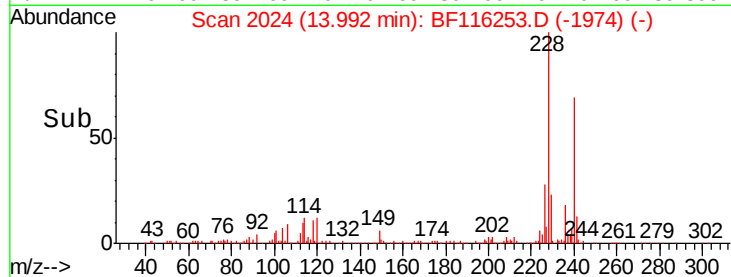
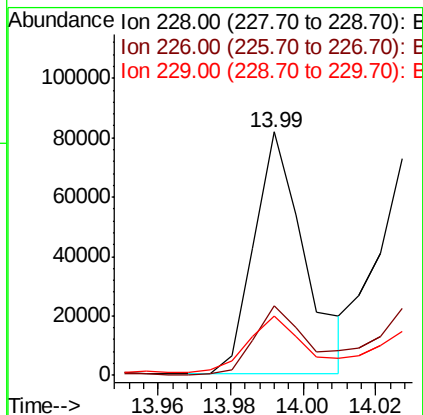
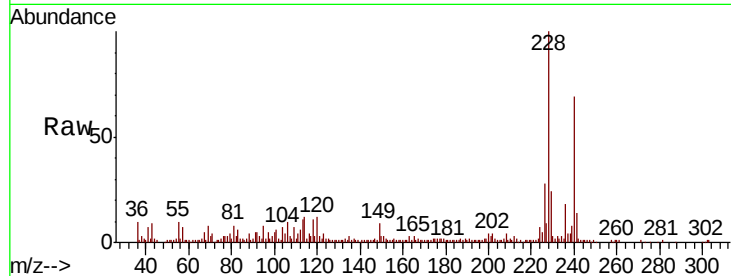




#81
Benzo(a)anthracene
Concen: 4.102 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

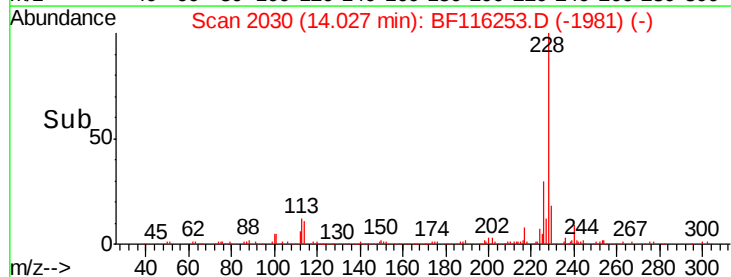
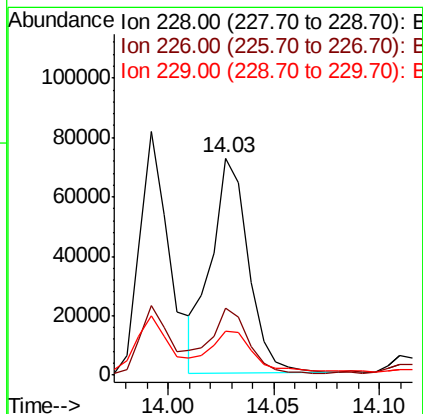
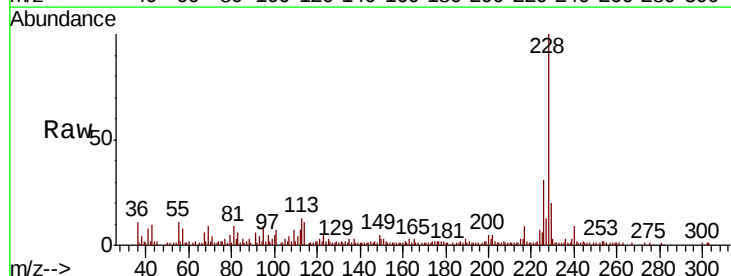
Instrument :
BNA_F
ClientSampled :
TEST-PIT-1

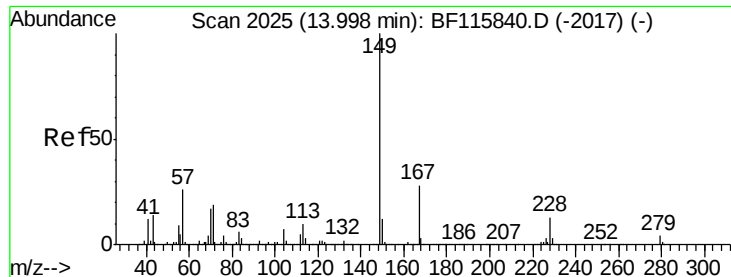
Tot Ion:228 Resp: 79379
Ion Ratio Lower Upper
228 100
226 28.4 22.7 34.1
229 24.2 16.2 24.4



#83
Chrysene
Concen: 4.751 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

Tgt Ion:228 Resp: 89247
Ion Ratio Lower Upper
228 100
226 30.8 25.5 38.3
229 20.0 16.6 24.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 97.806 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-1

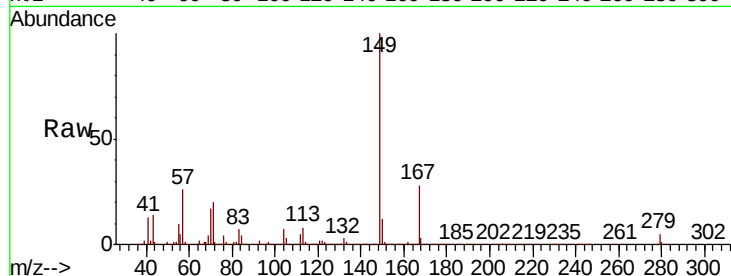
Tot Ion:149 Resp: 1226939

Ion Ratio Lower Upper

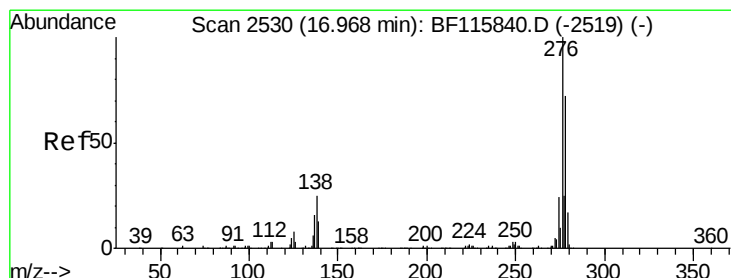
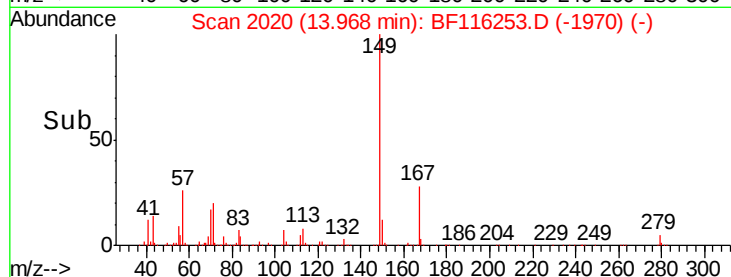
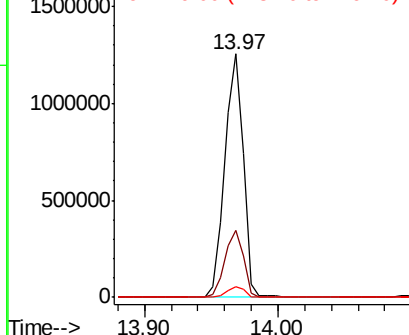
149 100

167 27.7 21.6 32.4

279 4.5 3.0 4.4#



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.794 ng

RT: 16.96 min Scan# 2529

Delta R.T. 0.01 min

Lab File: BF116253.D

Acq: 14 Aug 2019 1:44

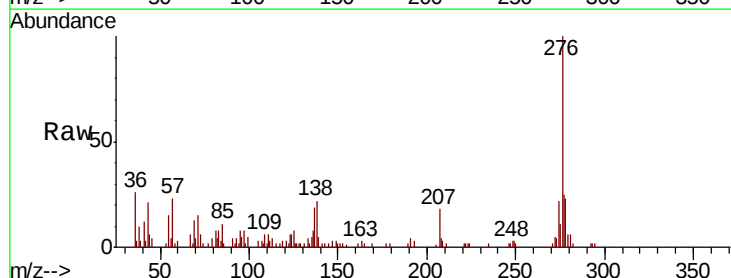
Tgt Ion:276 Resp: 44090

Ion Ratio Lower Upper

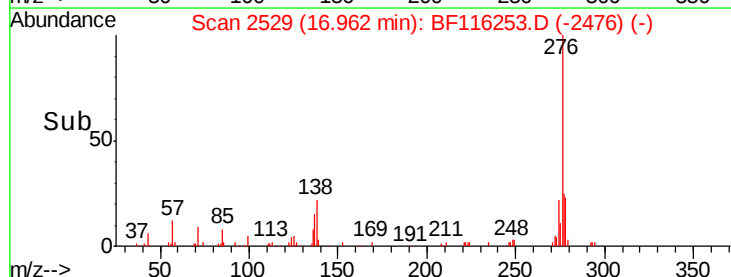
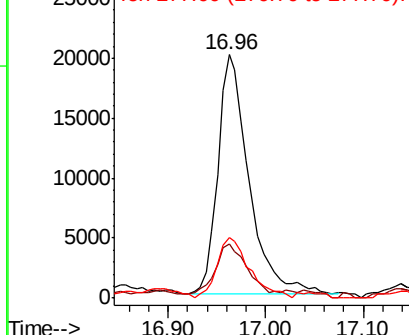
276 100

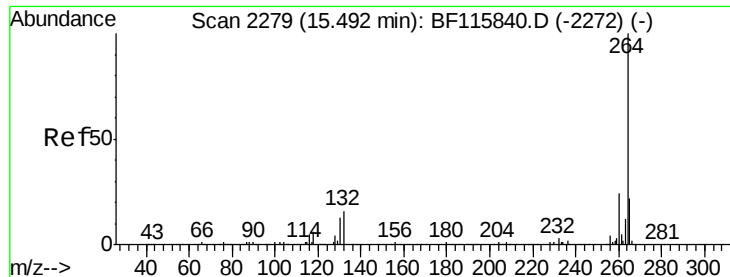
138 20.3 20.4 30.6#

277 26.5 20.0 30.0



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

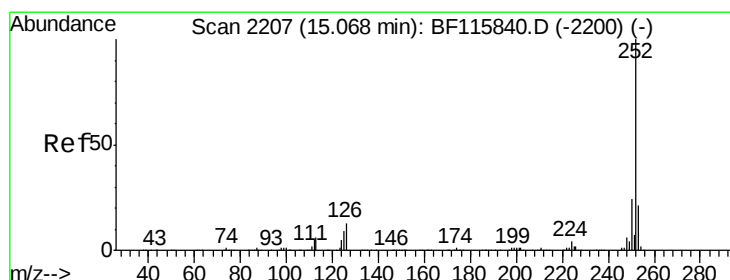
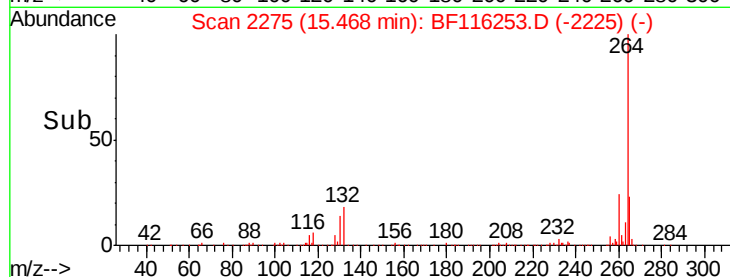
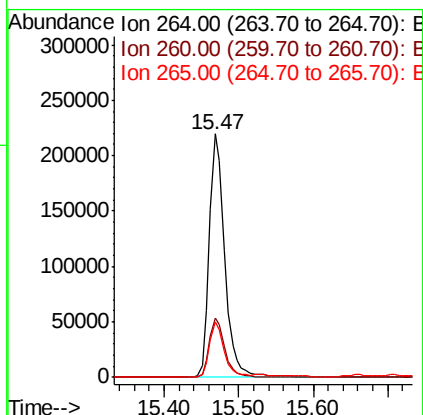
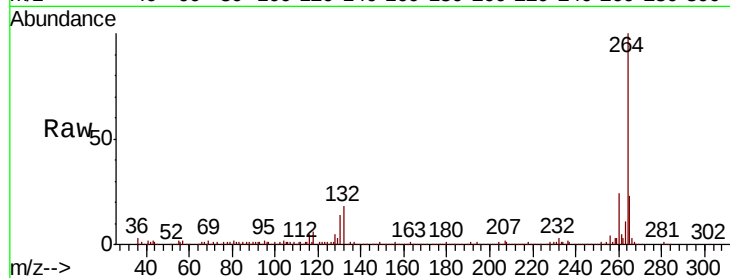




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

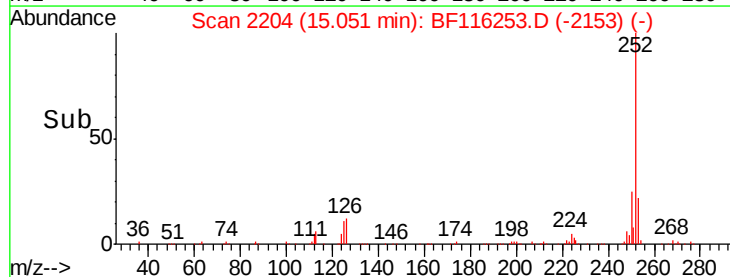
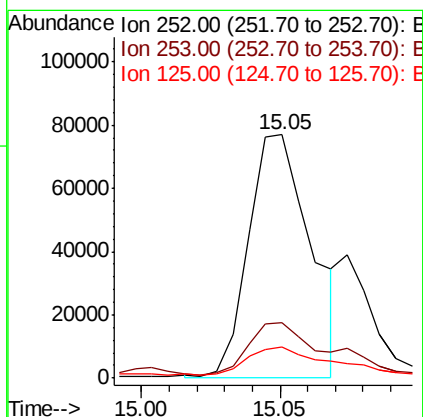
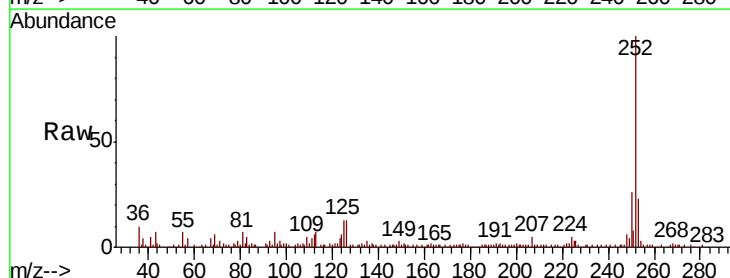
Instrument :
BNA_F
ClientSampleId :
TEST-PIT-1

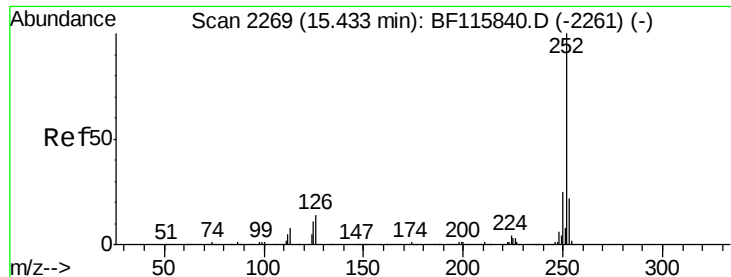
Tot Ion:264 Resp: 315862
Ion Ratio Lower Upper
264 100
260 24.4 19.7 29.5
265 22.7 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 6.648 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

Tgt Ion:252 Resp: 121421
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 12.9 8.4 12.6#

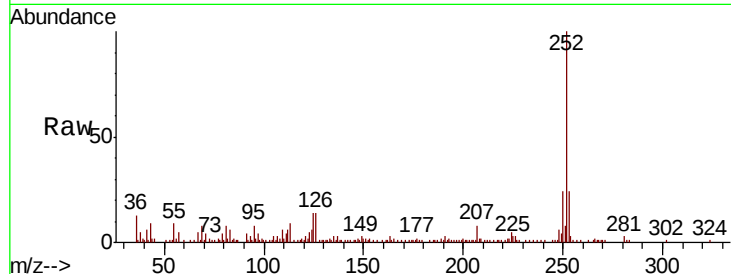




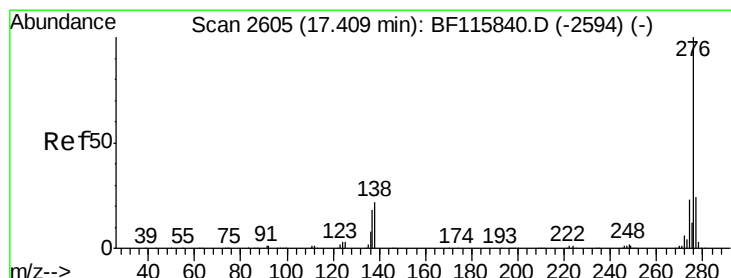
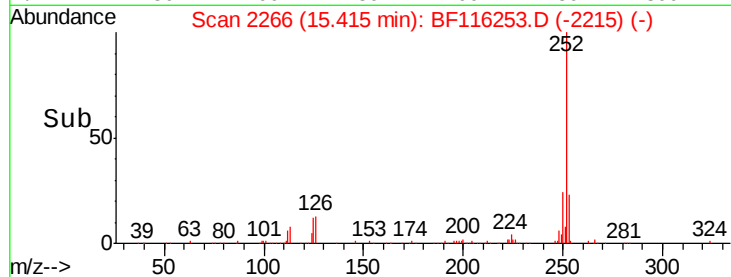
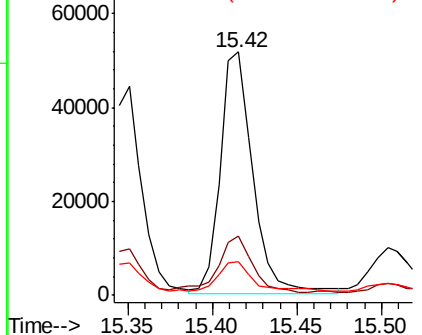
#90
Benzo(a)pyrene
Concen: 4.207 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.00 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	13.6	8.9	13.3#

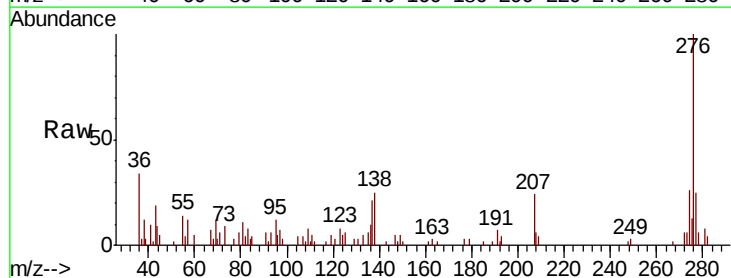


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.030 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.03 min
Lab File: BF116253.D
Acq: 14 Aug 2019 1:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.4	27.6
138	24.7	17.0	25.6



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

