

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121418\
 Data File : BF111427.D
 Acq On : 14 Dec 2018 19:07
 Operator : JU/SJ
 Sample : J6376-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TEST-PIT-2

Quant Time: Dec 14 22:12:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	161392	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	636467	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	288577	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	411529	20.00	ng	0.00
76) Chrysene-d12	13.95	240	313674	20.00	ng	0.00
87) Perylene-d12	15.39	264	251317	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	1097285	113.14	ng	0.00
7) Phenol-d6	6.44	99	1416881	109.83	ng	0.00
23) Nitrobenzene-d5	7.35	82	855519	80.04	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	245651	95.03	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1482071	79.33	ng	0.00
79) Terphenyl-d14	12.90	244	943774	70.65	ng	0.00

Target Compounds

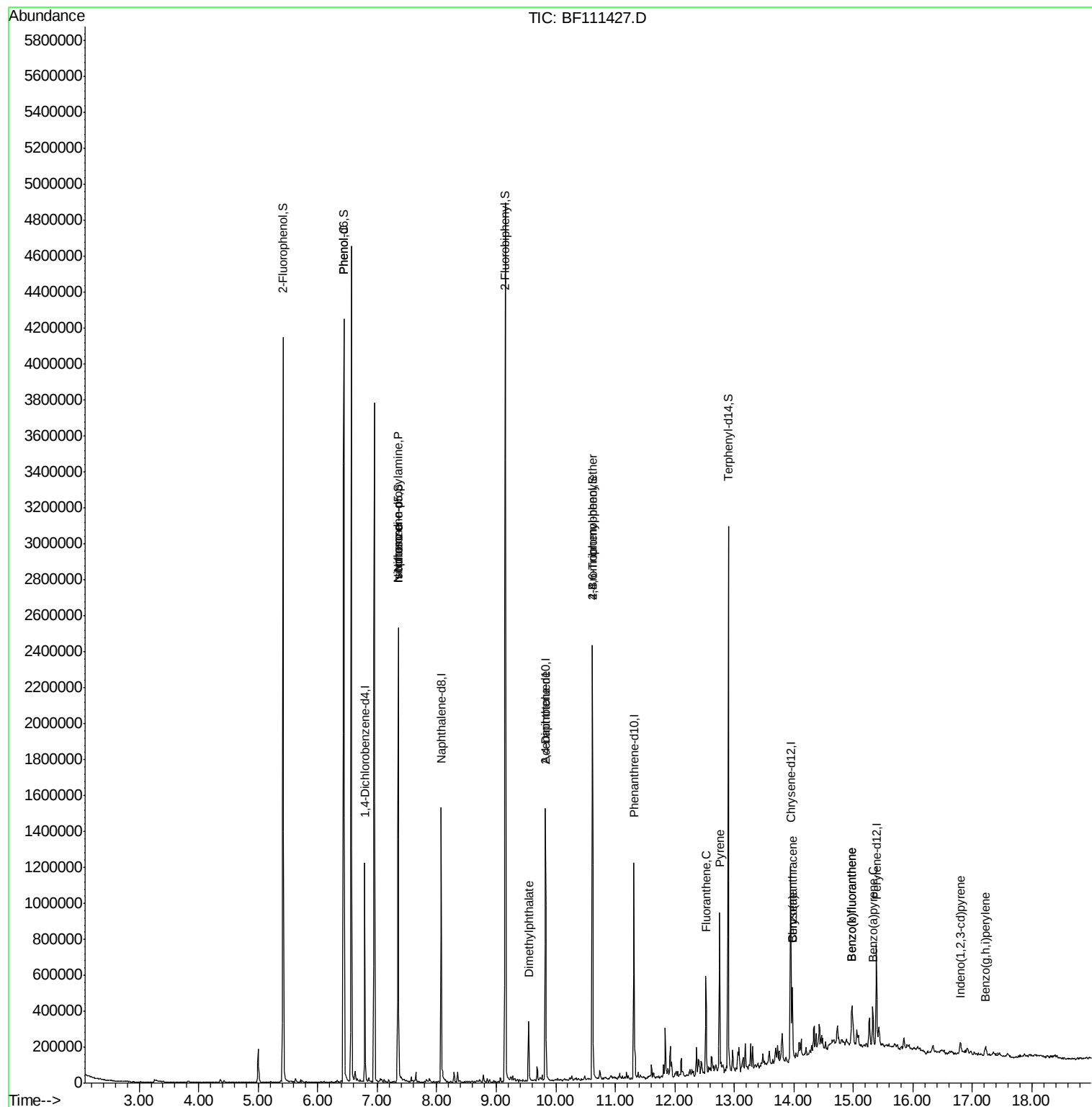
						Qvalue
10) Phenol	6.45	94	93467	6.504	ng	88
19) n-Nitroso-di-n-propylamine	7.35	70	114016	13.396	ng	# 81
25) Isophorone	7.35	82	855512	47.306	ng	# 64
50) Dimethylphthalate	9.55	163	138072	6.644	ng	99
57) 2,4-Dinitrotoluene	9.83	165	37452	6.100	ng	# 25
67) 4-Bromophenyl-phenylether	10.62	248	15869	3.578	ng	# 1
75) Fluoranthene	12.52	202	194477	9.375	ng	96
78) Pyrene	12.75	202	339372	15.346	ng	95
81) Benzo(a)anthracene	13.97	228	157174	9.215	ng	99
83) Chrysene	13.97	228	157174	8.748	ng	97
86) Indeno(1,2,3-cd)pyrene	16.80	276	34050	2.626	ng	# 88
88) Benzo(b)fluoranthene	14.97	252	146857	10.023	ng	# 95
89) Benzo(k)fluoranthene	14.97	252	146857	10.490	ng	# 95
90) Benzo(a)pyrene	15.33	252	92164	6.975	ng	99
92) Benzo(g,h,i)perylene	17.22	276	38274	3.741	ng	93

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

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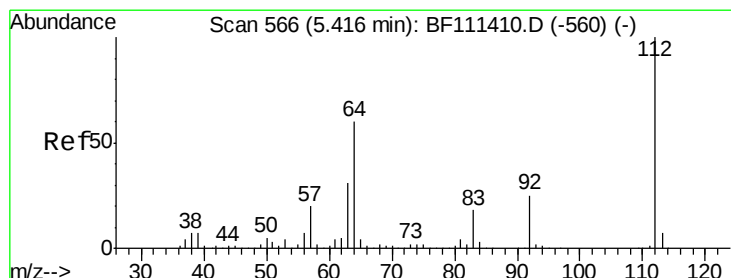
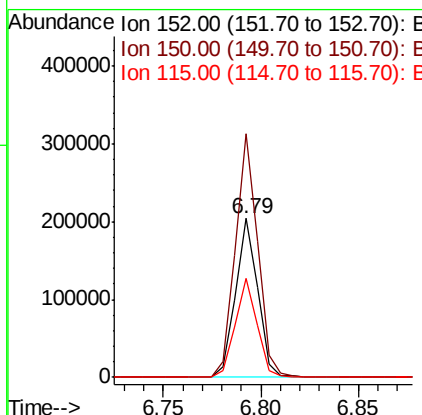
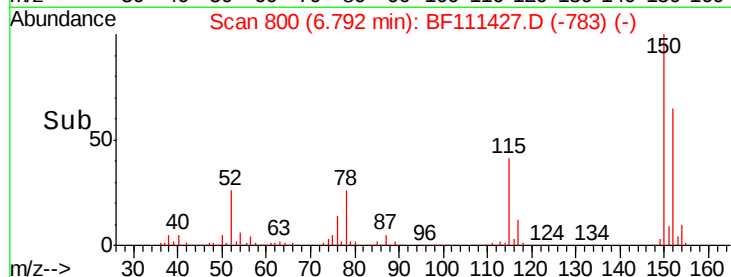
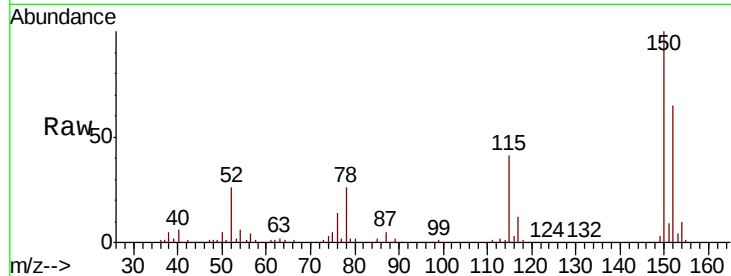




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF111427.D
 Acq: 14 Dec 2018 19:07

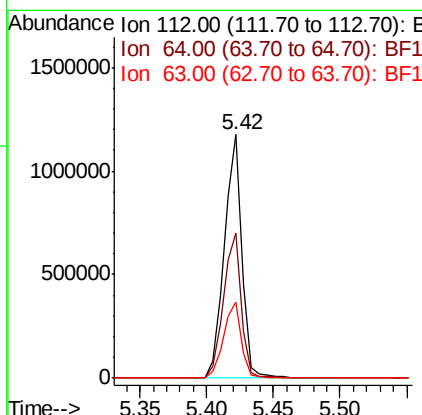
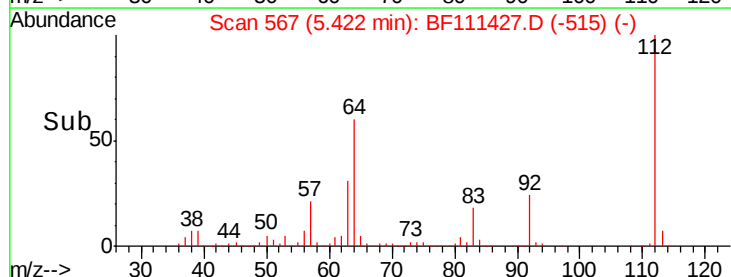
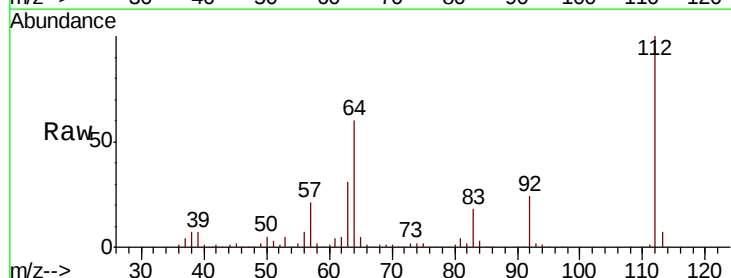
Instrument :
 BNA_G
 ClientSampleId :
 TEST-PIT-2

Tgt Ion:152 Resp: 161392
 Ion Ratio Lower Upper
 152 100
 150 153.4 126.6 189.8
 115 62.4 50.7 76.1



#5
 2-Fluorophenol
 Concen: 113.137 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF111427.D
 Acq: 14 Dec 2018 19:07

Tgt Ion:112 Resp: 1097285
 Ion Ratio Lower Upper
 112 100
 64 59.5 51.8 77.6
 63 31.4 26.8 40.2





#7

Phenol-d6

Concen: 109.828 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111427.D

Acq: 14 Dec 2018 19:07

Instrument :

BNA_G

ClientSampleId :

TEST-PIT-2

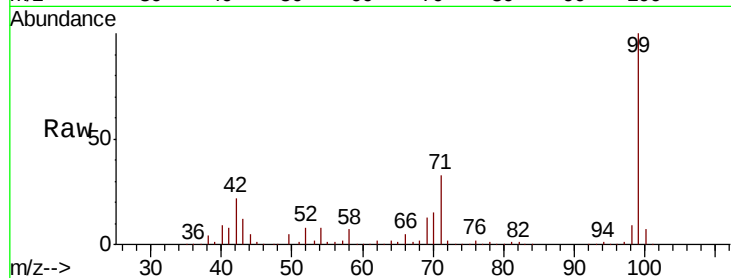
Tgt Ion: 99 Resp: 1416881

Ion Ratio Lower Upper

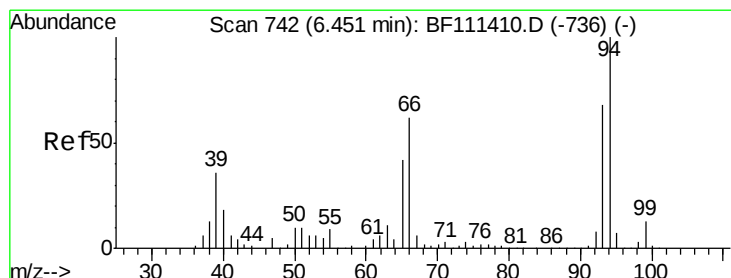
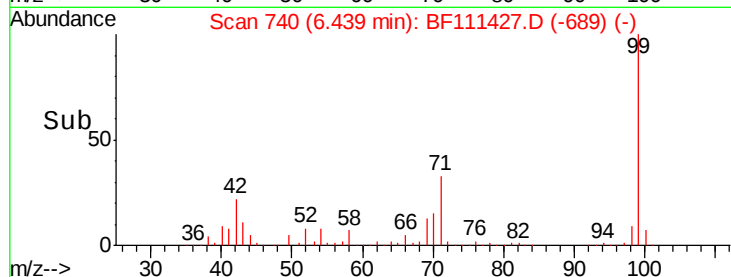
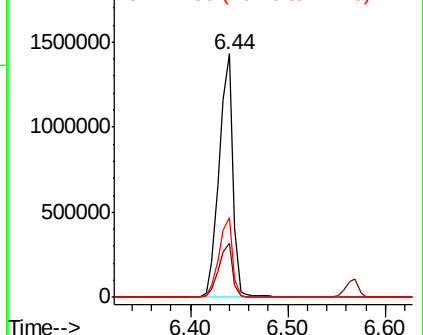
99 100

42 22.1 17.4 26.0

71 33.0 26.1 39.1



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



#10

Phenol

Concen: 6.504 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111427.D

Acq: 14 Dec 2018 19:07

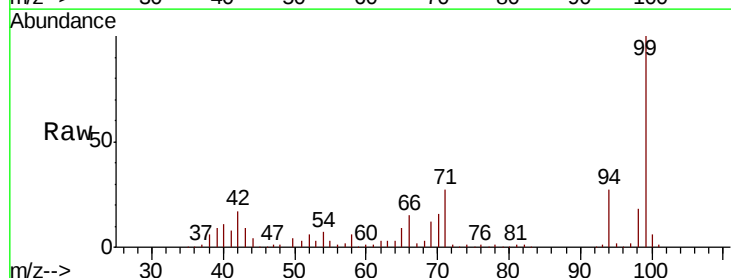
Tgt Ion: 94 Resp: 93467

Ion Ratio Lower Upper

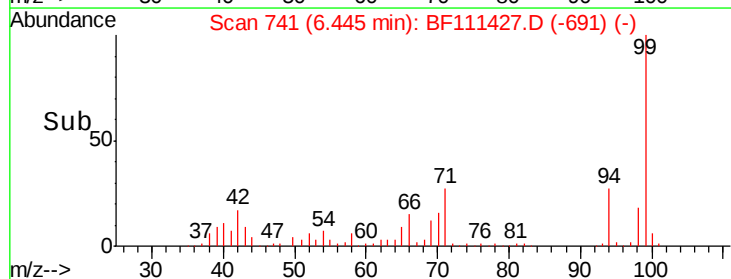
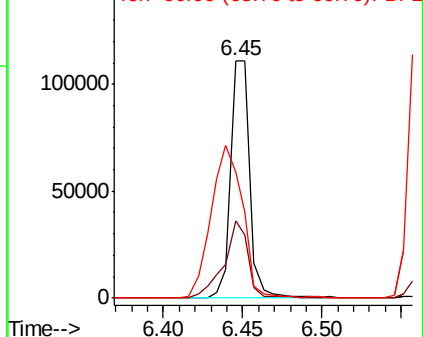
94 100

65 32.7 11.7 51.7

66 53.1 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

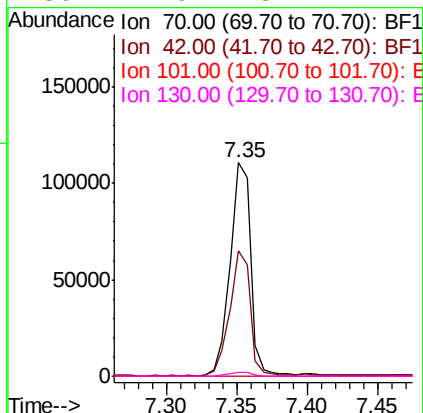
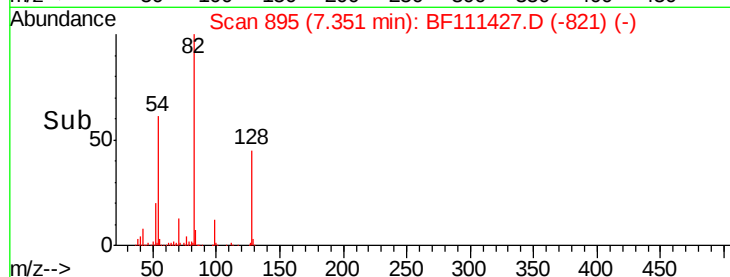
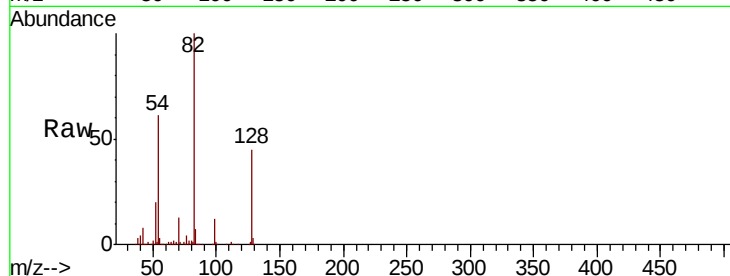




#19
n-Nitroso-di-n-propylamine
Concen: 13.396 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111427.D
Acq: 14 Dec 2018 19:07

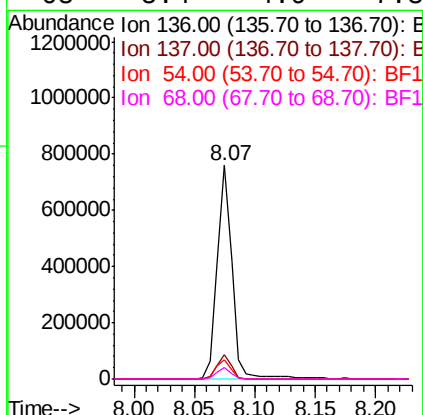
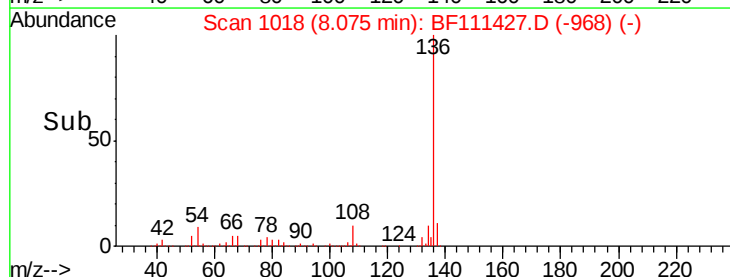
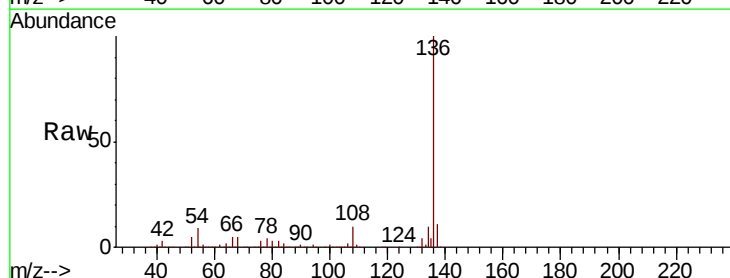
Instrument :
BNA_G
ClientSampleId :
TEST-PIT-2

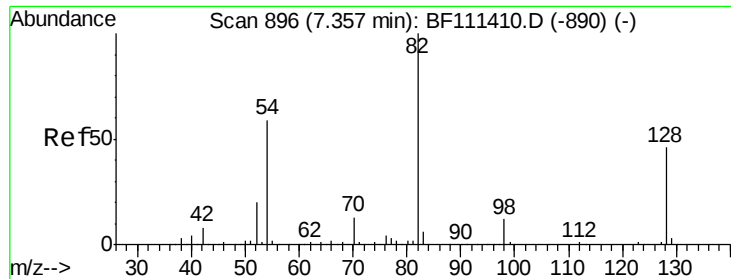
Tgt Ion:	70	Resp:	114016
Ion	Ratio	Lower	Upper
70	100		
42	58.5	53.2	79.8
101	0.0	8.2	12.4#
130	1.9	18.1	27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111427.D
Acq: 14 Dec 2018 19:07

Tgt Ion:	136	Resp:	636467
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	9.3	7.7	11.5
68	5.4	4.9	7.3

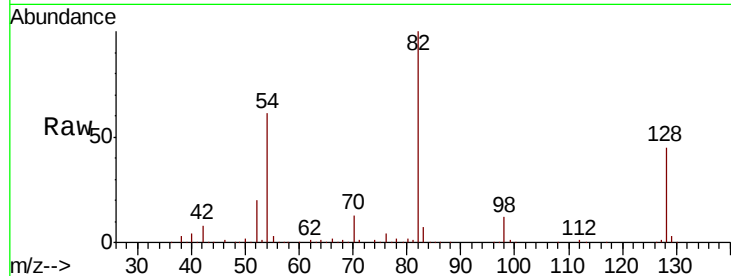




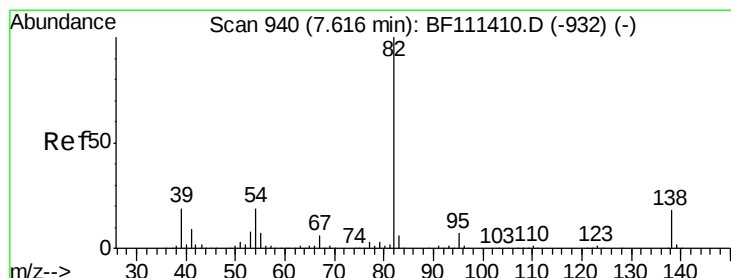
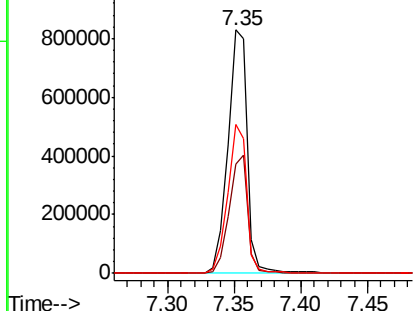
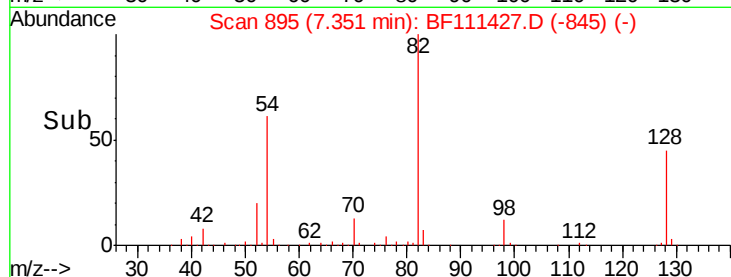
#23
Nitrobenzene-d5
Concen: 80.043 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111427.D
Acq: 14 Dec 2018 19:07

Instrument :
BNA_G
ClientSampleId :
TEST-PIT-2

Tgt Ion: 82 Resp: 855519
Ion Ratio Lower Upper
82 100
128 44.6 37.4 56.2
54 60.9 47.6 71.4

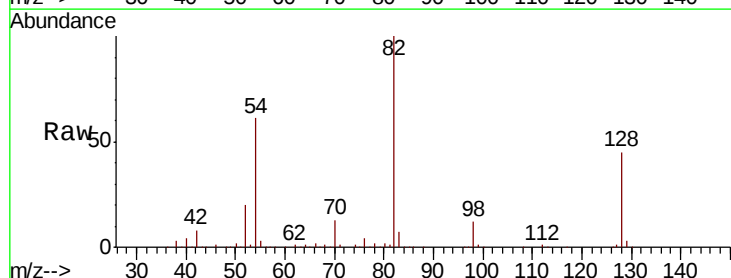


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

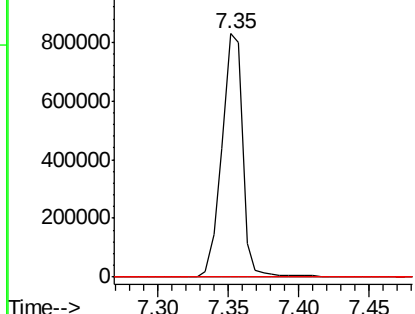
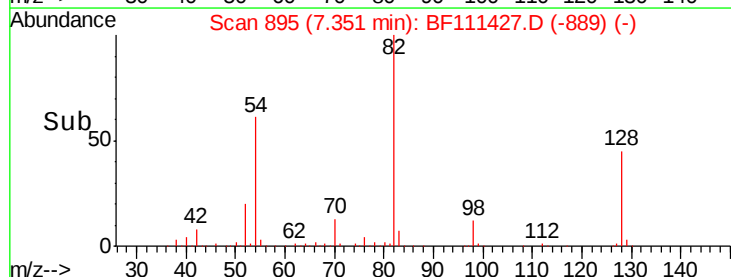


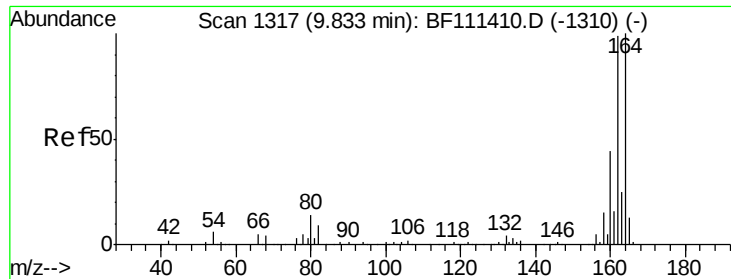
#25
Isophorone
Concen: 47.306 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.26 min
Lab File: BF111427.D
Acq: 14 Dec 2018 19:07

Tgt Ion: 82 Resp: 855512
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

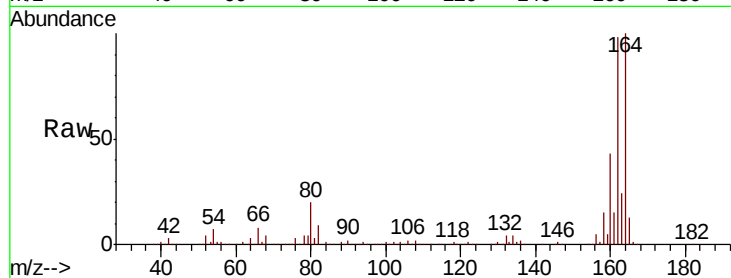




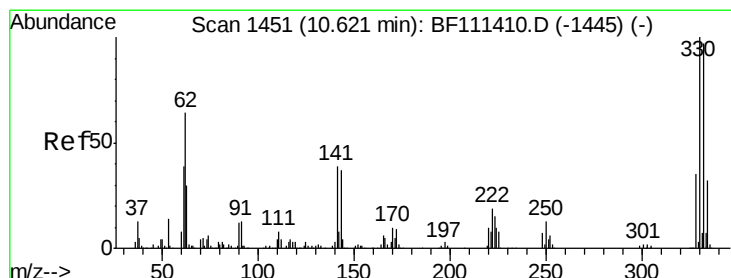
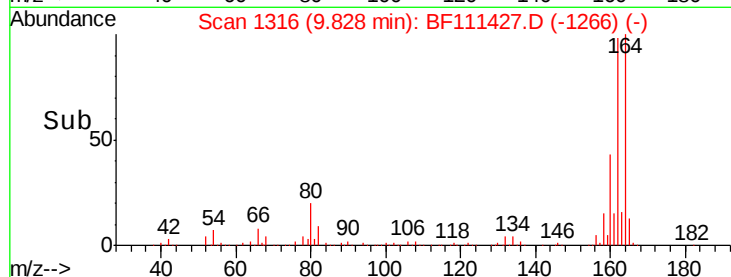
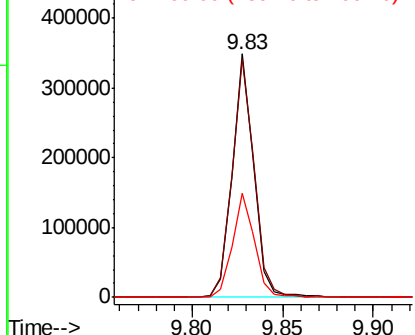
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF111427.D
 Acq: 14 Dec 2018 19:07

Instrument :
 BNA_G
 ClientSampleId :
 TEST-PIT-2

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.9	81.4	122.0
160	42.9	35.7	53.5

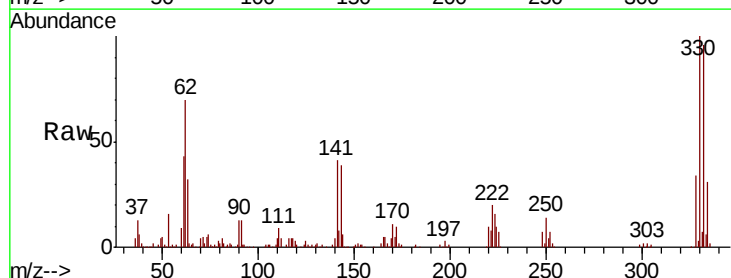


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

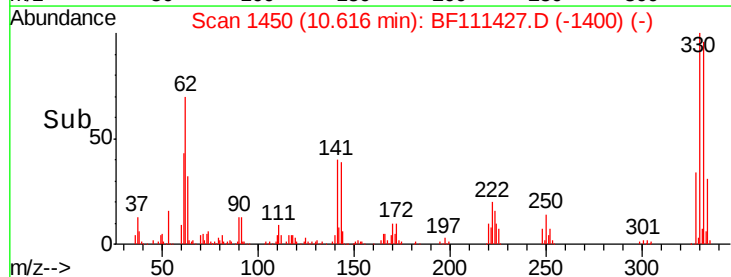
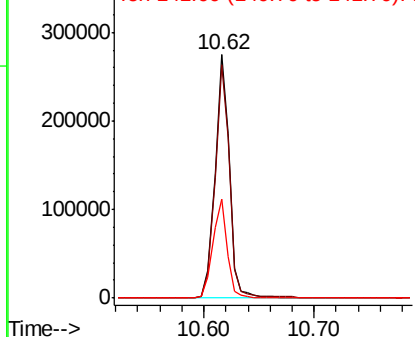


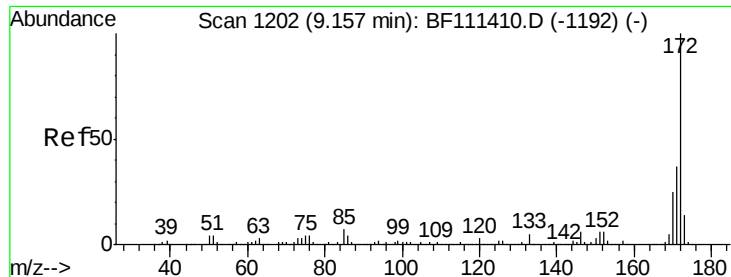
#42
 2,4,6-Tribromophenol
 Concen: 95.028 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111427.D
 Acq: 14 Dec 2018 19:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.0	114.0
141	40.6	31.0	46.6



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

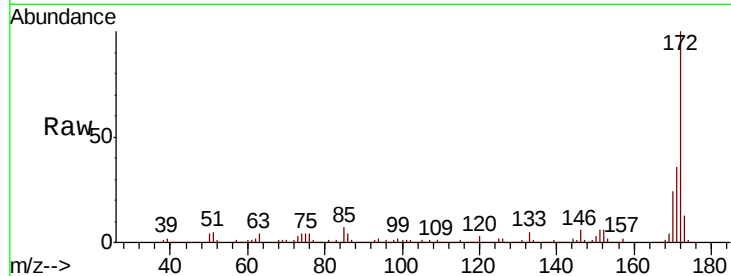




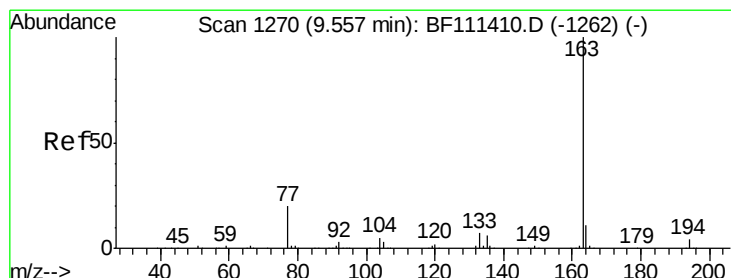
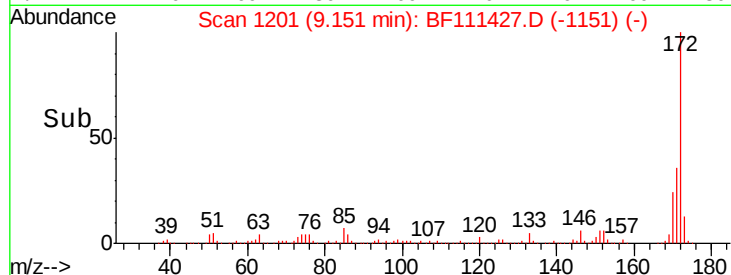
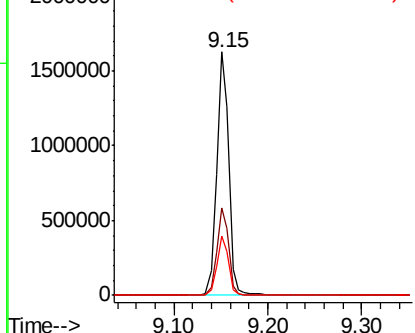
#45
2-Fluorobiphenyl
Concen: 79.329 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111427.D
Acq: 14 Dec 2018 19:07

Instrument :
BNA_G
ClientSampleId :
TEST-PIT-2

Tgt Ion:172 Resp: 1482071
Ion Ratio Lower Upper
172 100
171 36.0 33.0 49.4
170 24.4 22.3 33.5

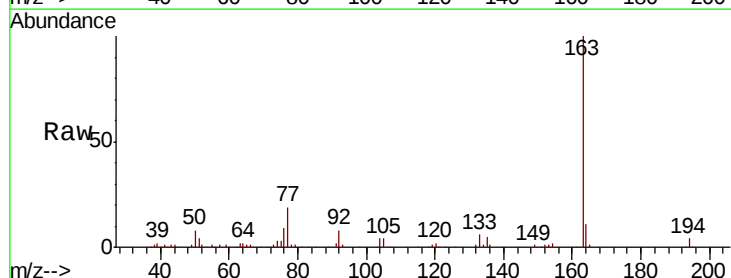


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

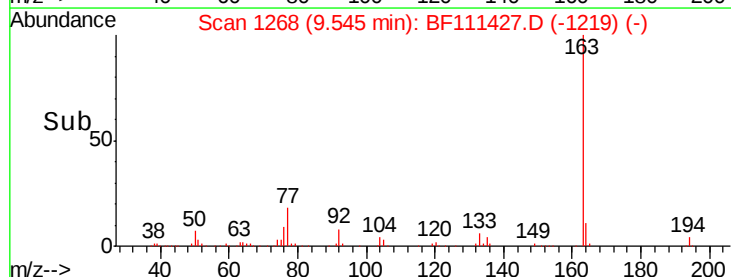
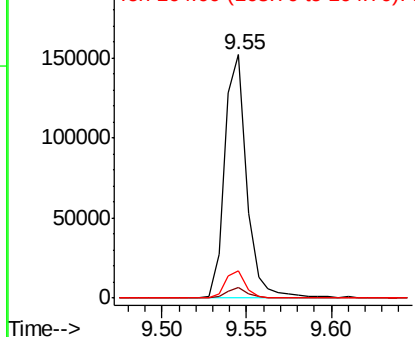


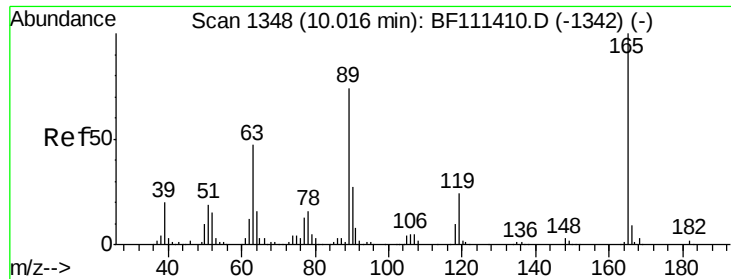
#50
Dimethylphthalate
Concen: 6.644 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111427.D
Acq: 14 Dec 2018 19:07

Tgt Ion:163 Resp: 138072
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 11.0 8.9 13.3



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

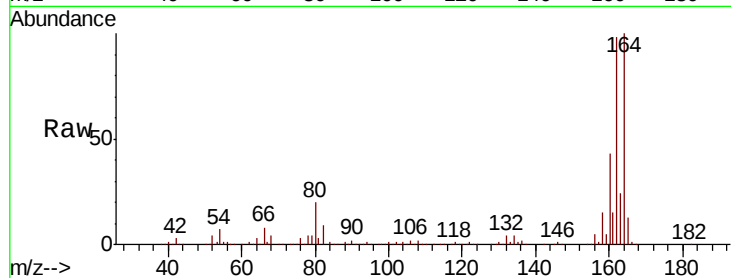




#57
2,4-Dinitrotoluene
Concen: 6.100 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BF111427.D
Acq: 14 Dec 2018 19:07

Instrument :
BNA_G
ClientSampleId :
TEST-PIT-2

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.6	52.0#
89	1.4	56.2	84.4#
182	0.7	1.8	2.6#

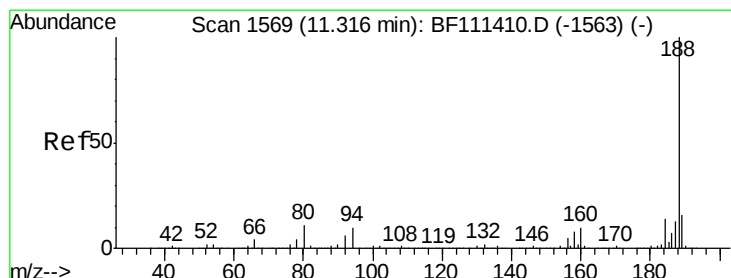
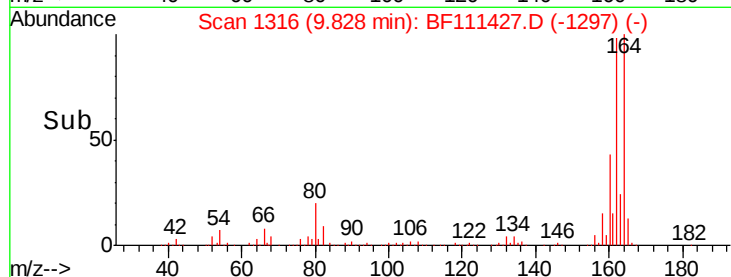
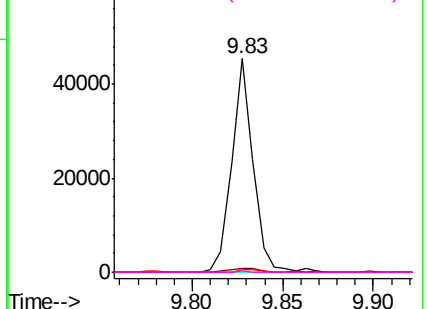


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

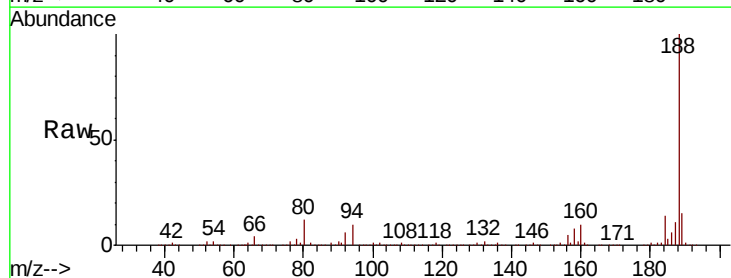
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111427.D
Acq: 14 Dec 2018 19:07

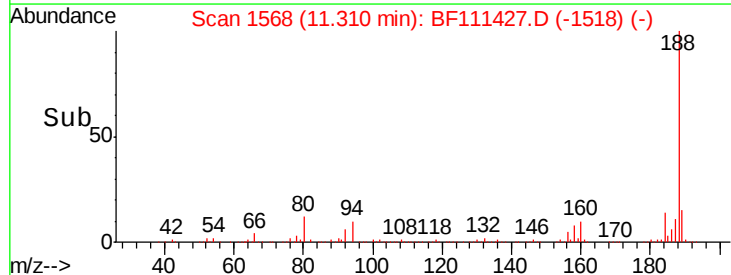
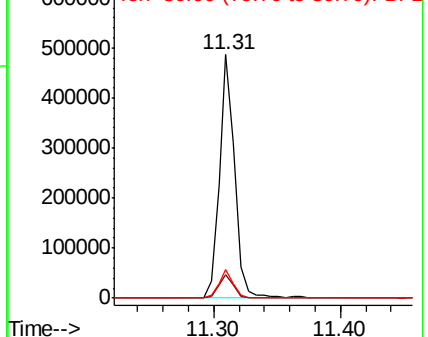
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.6	14.4
80	11.9	9.8	14.6

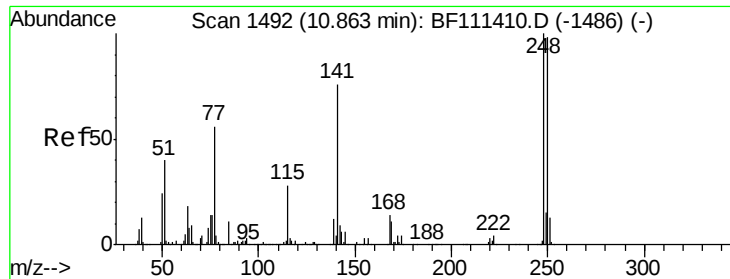


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

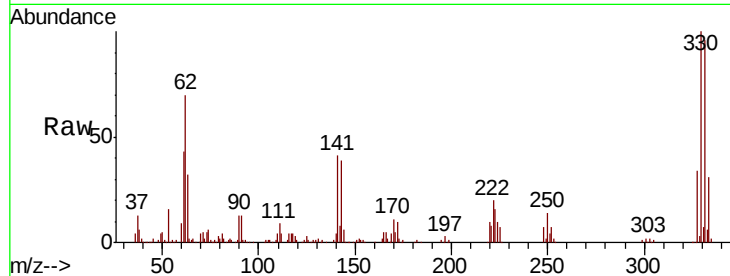




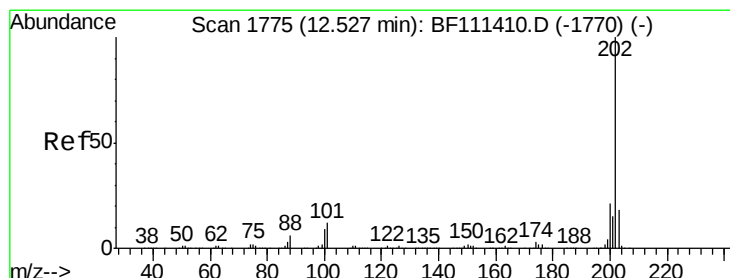
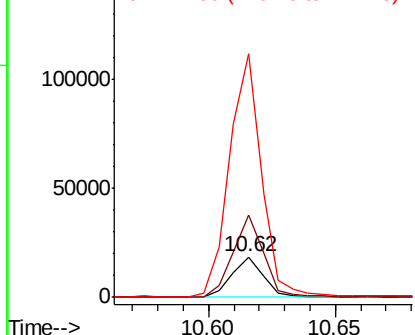
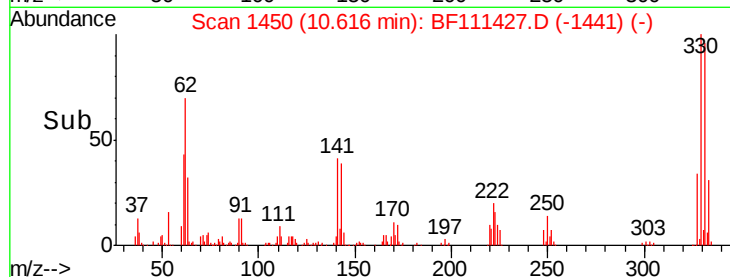
#67
 4-Bromophenyl-phenylether
 Concen: 3.578 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF111427.D
 Acq: 14 Dec 2018 19:07

Instrument :
 BNA_G
 ClientSampled :
 TEST-PIT-2

Tgt Ion:248 Resp: 15869
 Ion Ratio Lower Upper
 248 100
 250 204.1 77.0 115.4#
 141 599.4 63.0 94.6#

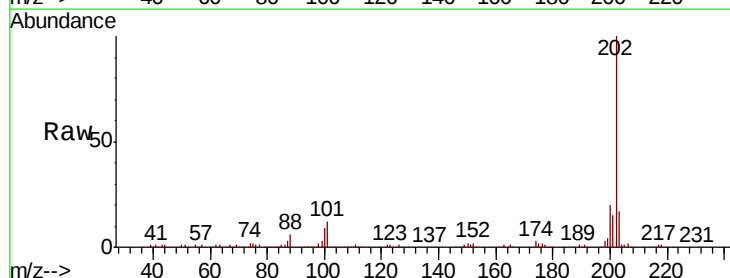


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

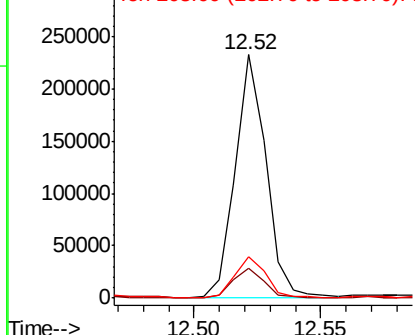
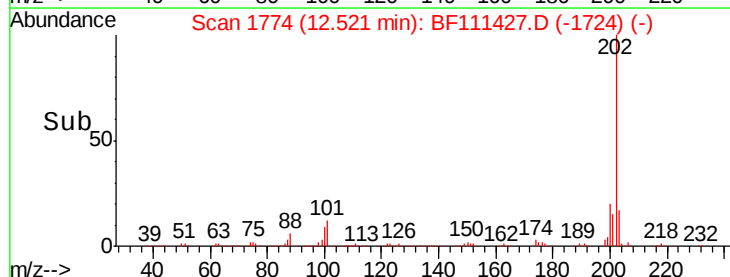


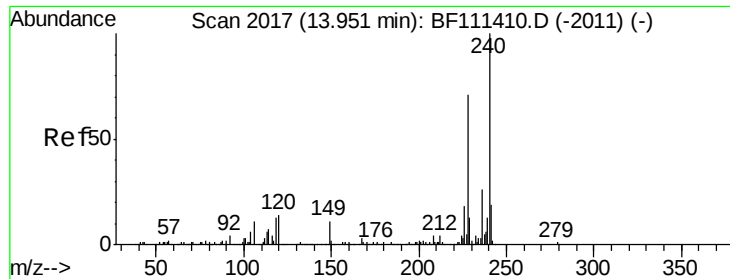
#75
 Fluoranthene
 Concen: 9.375 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. -0.01 min
 Lab File: BF111427.D
 Acq: 14 Dec 2018 19:07

Tgt Ion:202 Resp: 194477
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 33.8
 203 16.8 0.0 38.6



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

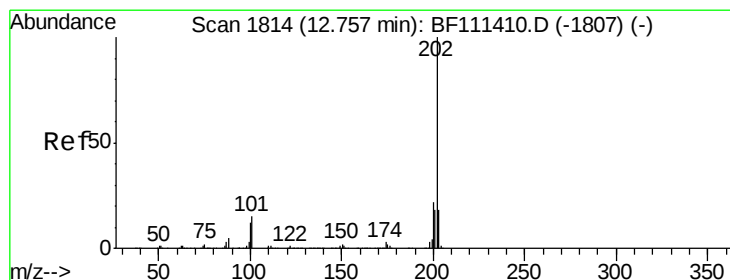
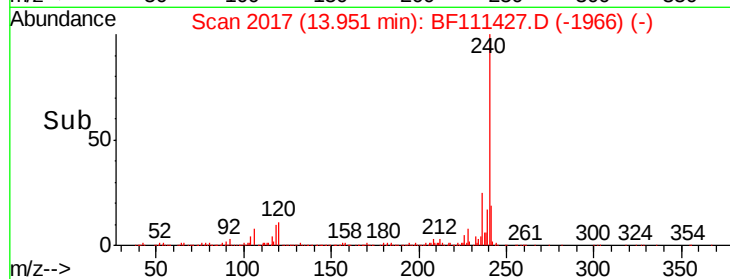
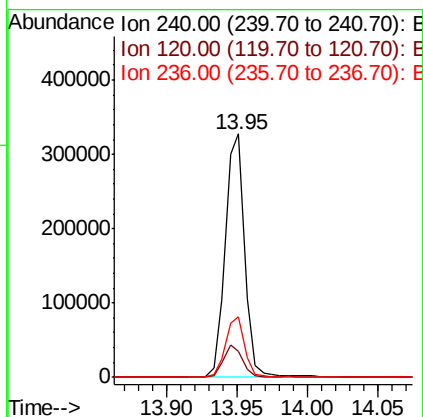
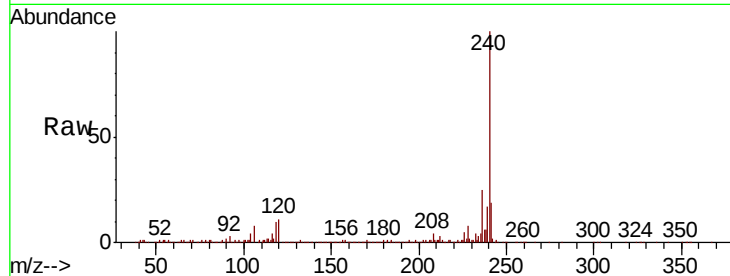




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF111427.D
Acq: 14 Dec 2018 19:07

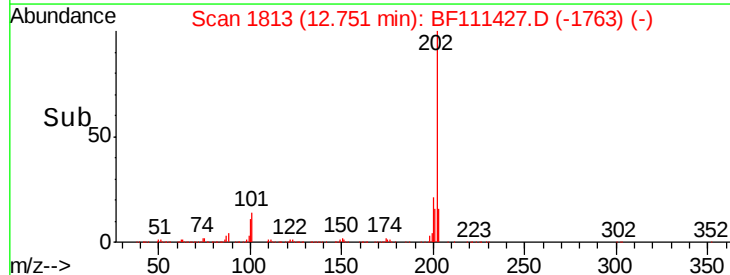
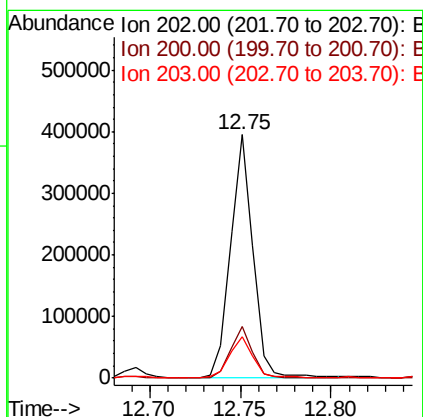
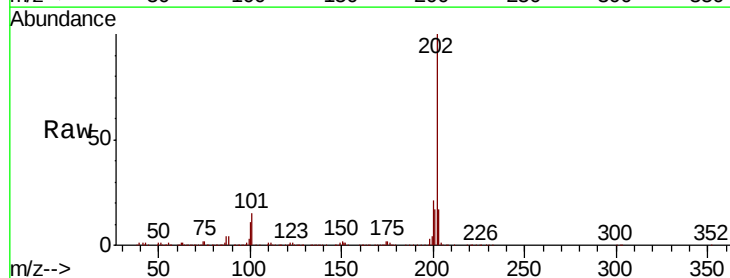
Instrument :
BNA_G
ClientSampleId :
TEST-PIT-2

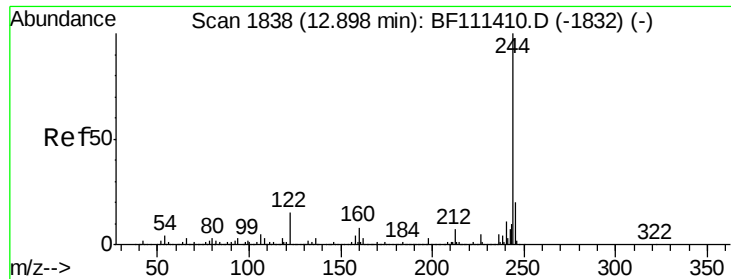
Tgt Ion:240 Resp: 313674
Ion Ratio Lower Upper
240 100
120 10.8 12.2 18.2#
236 25.0 20.2 30.2



#78
Pyrene
Concen: 15.346 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111427.D
Acq: 14 Dec 2018 19:07

Tgt Ion:202 Resp: 339372
Ion Ratio Lower Upper
202 100
200 21.2 19.0 28.4
203 16.9 15.2 22.8

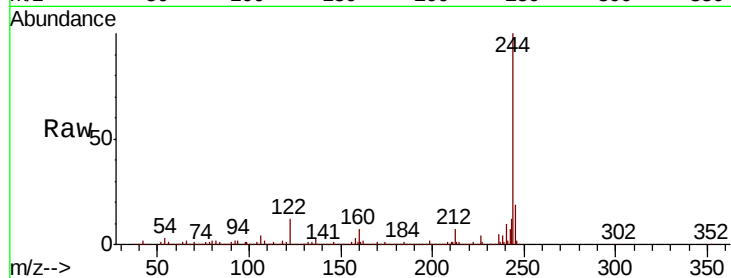




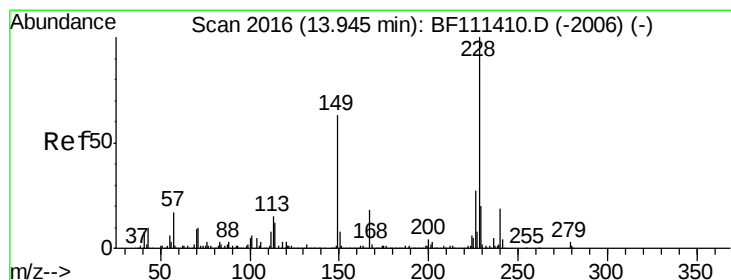
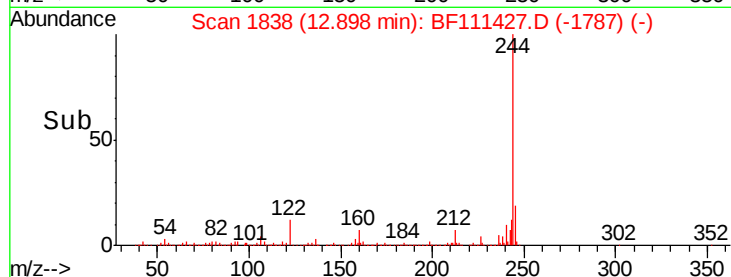
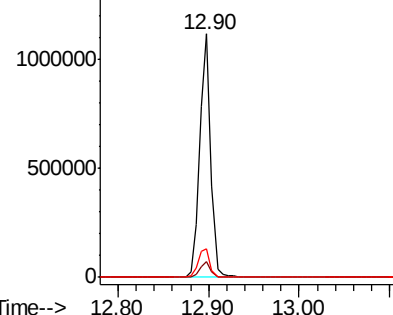
#79
 Terphenyl-d14
 Concen: 70.653 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF111427.D
 Acq: 14 Dec 2018 19:07

Instrument :
 BNA_G
 ClientSampled :
 TEST-PIT-2

Tgt Ion:244 Resp: 943774
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.7 8.5
 122 11.8 13.1 19.7#

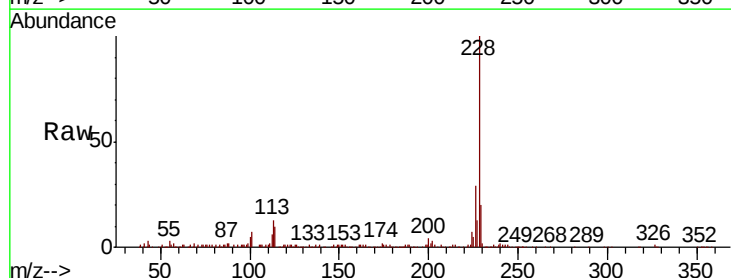


Abundance Ion 244.00 (243.70 to 244.70): E
 1500000 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

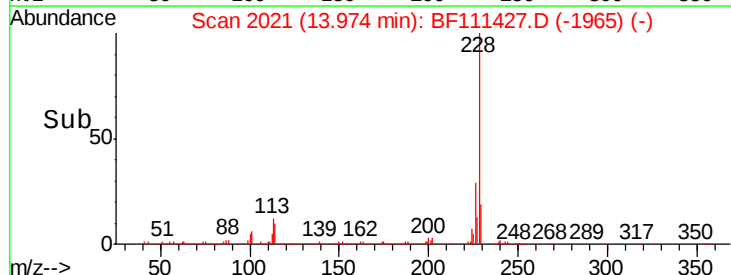
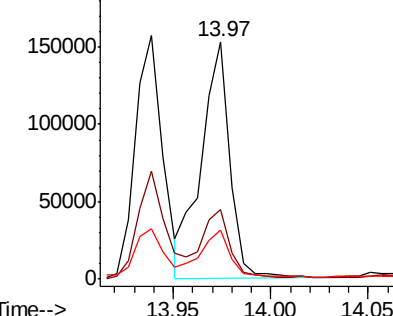


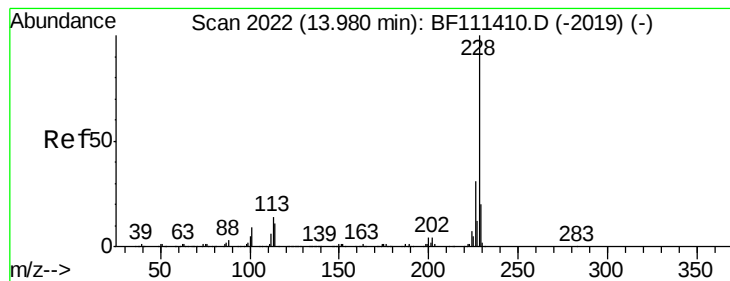
#81
 Benzo(a)anthracene
 Concen: 9.215 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.03 min
 Lab File: BF111427.D
 Acq: 14 Dec 2018 19:07

Tgt Ion:228 Resp: 157174
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.6 34.0
 229 20.5 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
 200000 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.748 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF111427.D

Acq: 14 Dec 2018 19:07

Instrument :

BNA_G

ClientSampleId :

TEST-PIT-2

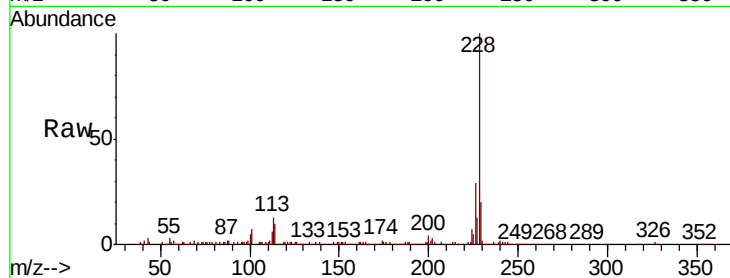
Tgt Ion:228 Resp: 157174

Ion Ratio Lower Upper

228 100

226 29.2 25.3 37.9

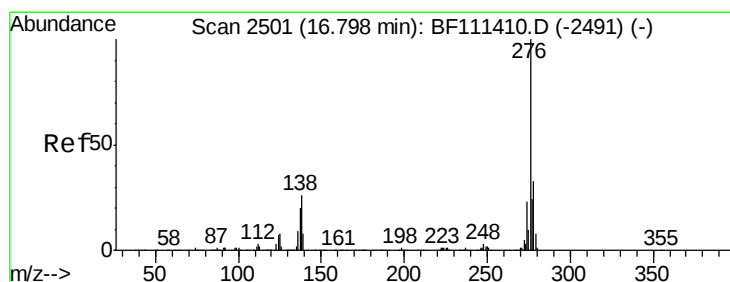
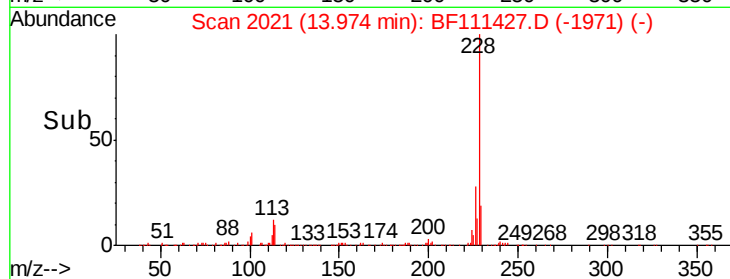
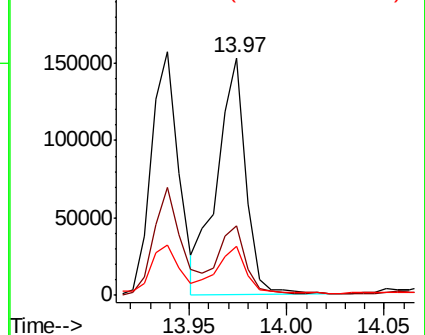
229 20.5 17.2 25.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.626 ng

RT: 16.80 min Scan# 2501

Delta R.T. 0.00 min

Lab File: BF111427.D

Acq: 14 Dec 2018 19:07

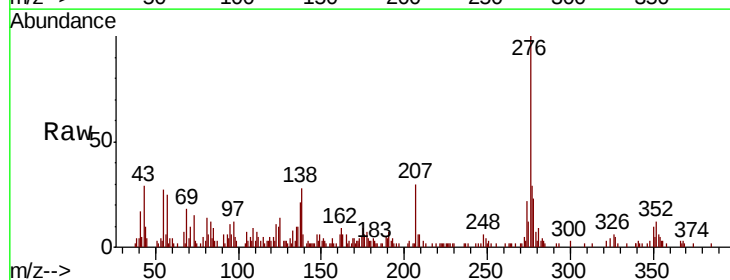
Tgt Ion:276 Resp: 34050

Ion Ratio Lower Upper

276 100

138 28.4 27.8 41.6

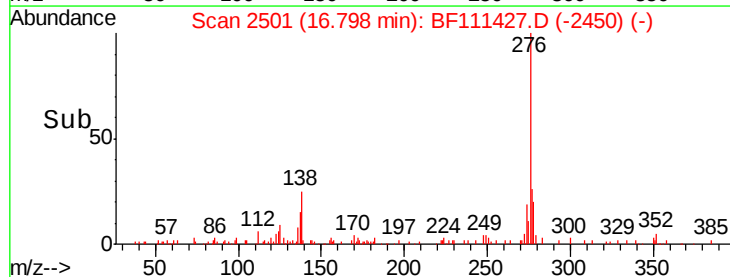
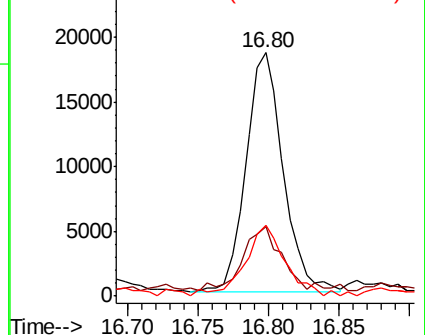
277 32.2 20.1 30.1#

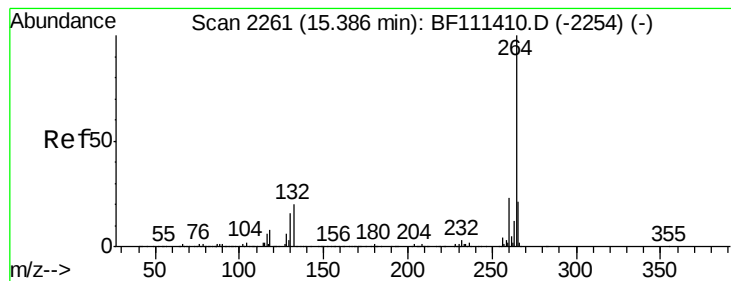


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2261

Delta R.T. 0.00 min

Lab File: BF111427.D

Acq: 14 Dec 2018 19:07

Instrument :

BNA_G

ClientSampleId :

TEST-PIT-2

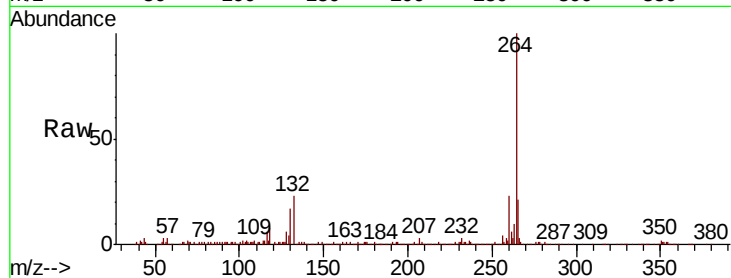
Tgt Ion:264 Resp: 251317

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.3	27.5
265	21.0	17.7	26.5

264 100

260 23.2 18.3 27.5

265 21.0 17.7 26.5

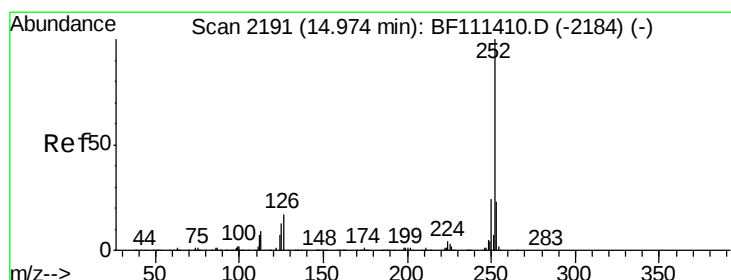
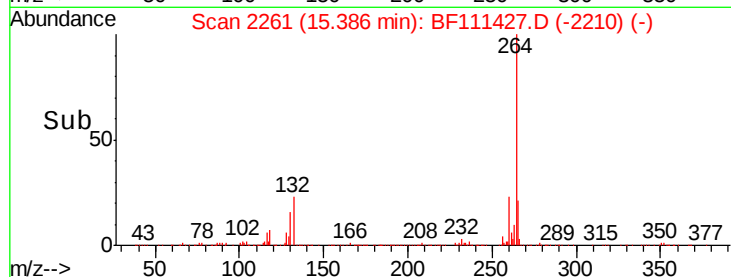
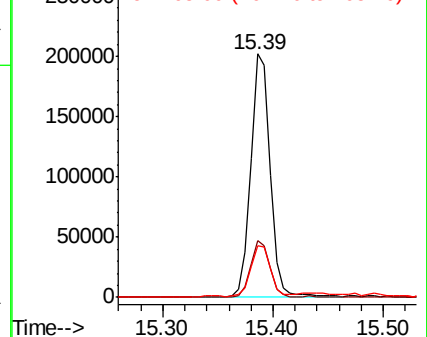


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 10.023 ng

RT: 14.97 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BF111427.D

Acq: 14 Dec 2018 19:07

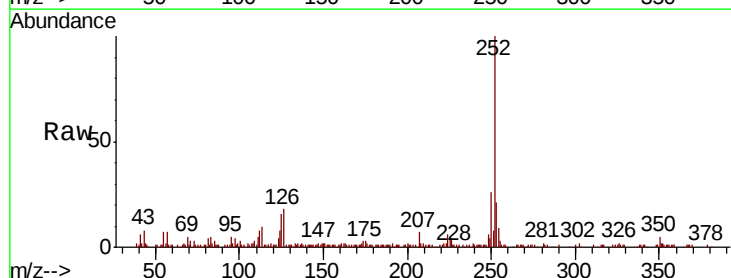
Tgt Ion:252 Resp: 146857

Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.2	27.2
125	16.2	10.4	15.6

252 100

253 21.2 18.2 27.2

125 16.2 10.4 15.6#

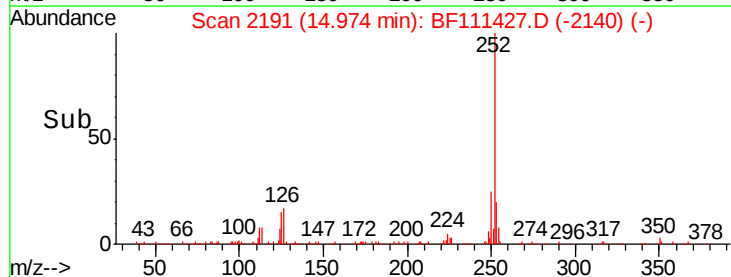
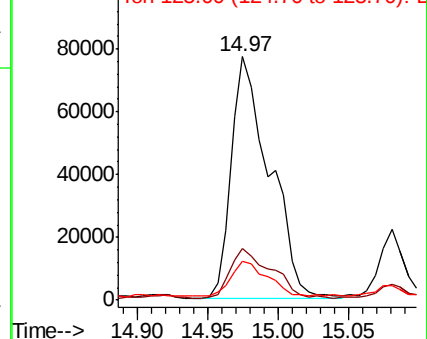


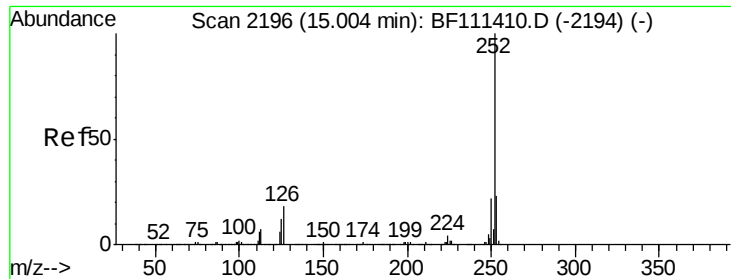
Abundance

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

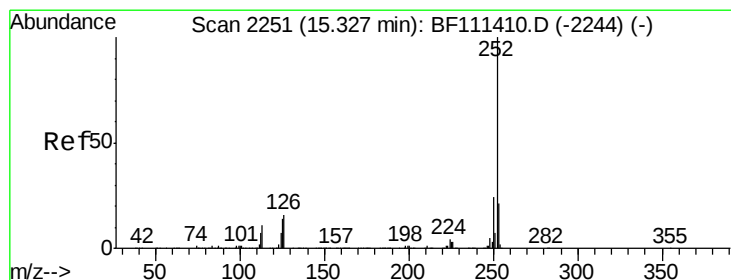
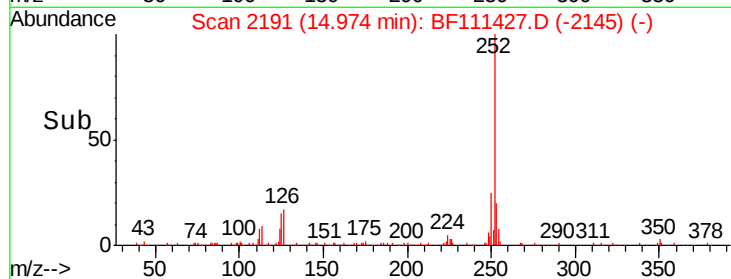
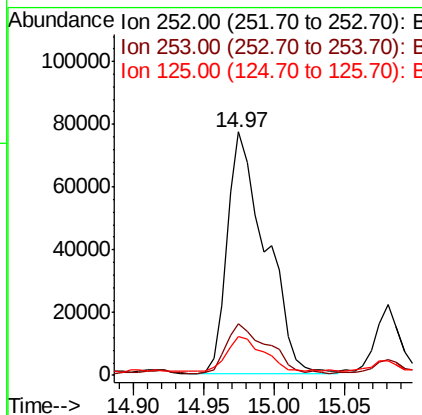
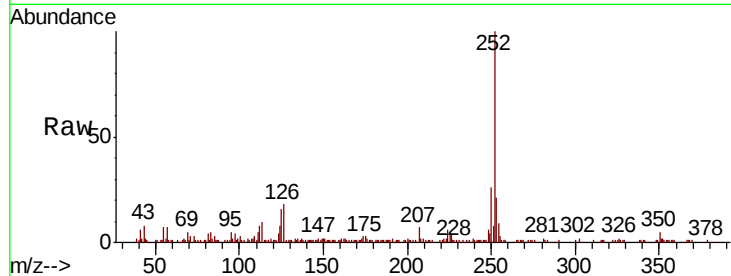




#89
Benzo(k)fluoranthene
Concen: 10.490 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.03 min
Lab File: BF111427.D
Acq: 14 Dec 2018 19:07

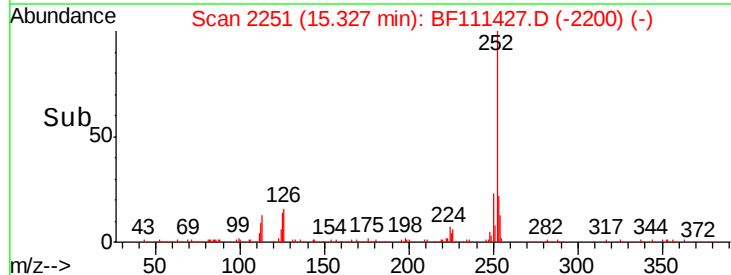
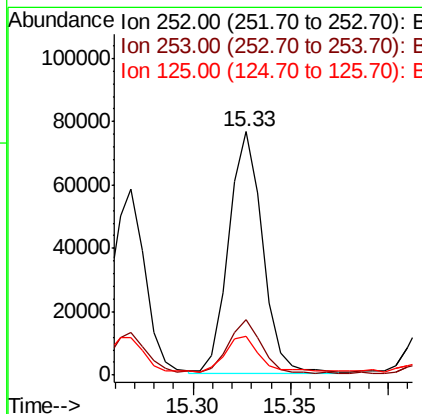
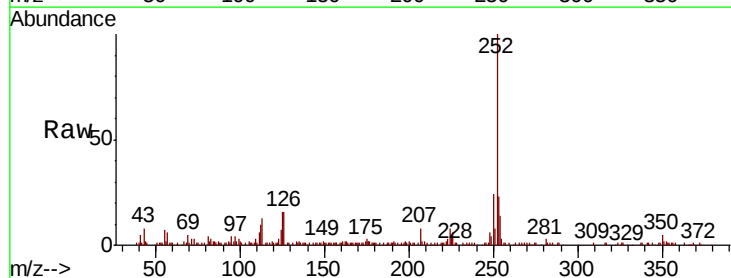
Instrument :
BNA_G
ClientSampleId :
TEST-PIT-2

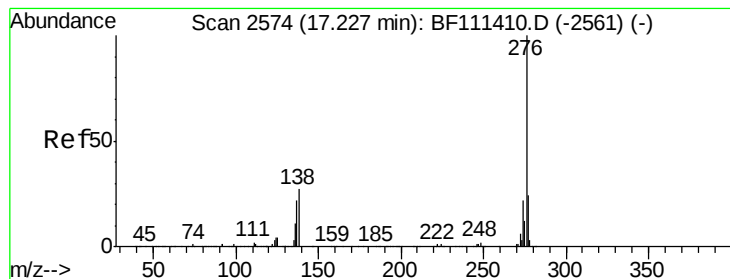
Tgt Ion:252 Resp: 146857
Ion Ratio Lower Upper
252 100
253 21.2 18.1 27.1
125 16.2 9.8 14.8#



#90
Benzo(a)pyrene
Concen: 6.975 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF111427.D
Acq: 14 Dec 2018 19:07

Tgt Ion:252 Resp: 92164
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 15.9 12.3 18.5





#92

Benzo(g,h,i)perylene

Concen: 3.741 ng

RT: 17.22 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BF111427.D

Acq: 14 Dec 2018 19:07

Instrument :

BNA_G

ClientSampleId :

TEST-PIT-2

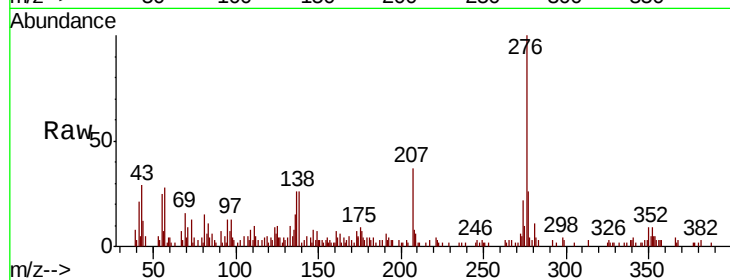
Tgt Ion: 276 Resp: 38274

Ion Ratio Lower Upper

276 100

277 26.1 19.2 28.8

138 26.4 24.9 37.3



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

