

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042219\
 Data File : BF113901.D
 Acq On : 23 Apr 2019 1:47
 Operator : JU/SJ
 Sample : K2193-11RE 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-041719-CRE

Quant Time: Apr 23 06:40:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

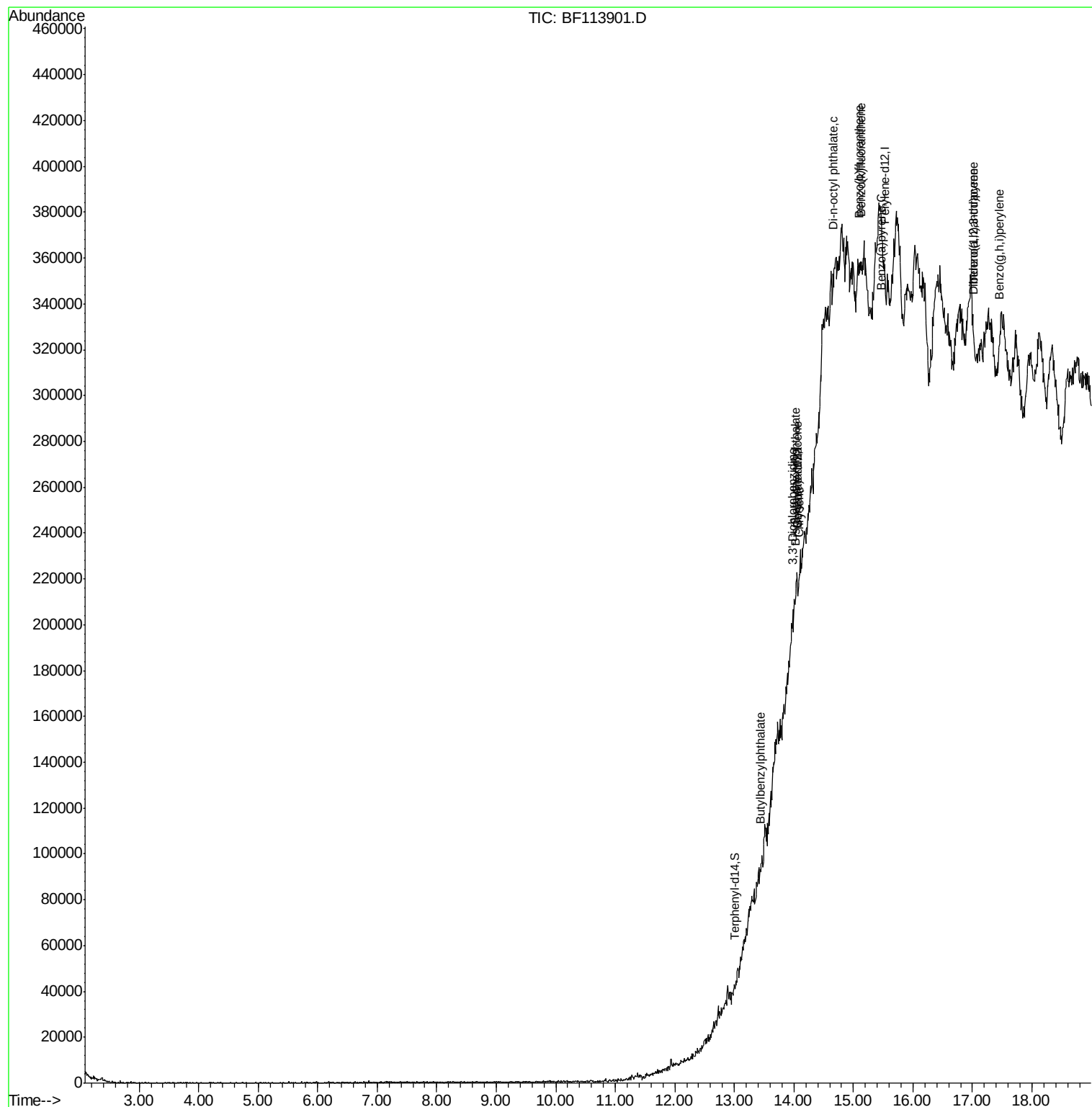
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-6.90
21) Naphthalene-d8	0.00	136	0	0.00	ng	-8.18
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-9.93
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-11.42
76) Chrysene-d12	14.05	240	1459	20.00	ng	-0.02
87) Perylene-d12	15.53	264	318	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
79) Terphenyl-d14	13.00	244	987	13.87	ng	0.00
Target Compounds						
80) Butylbenzylphthalate	13.44	149	220	5.480	ng	# 70
81) Benzo(a)anthracene	14.04	228	1182	13.750	ng	# 1
82) 3,3'-Dichlorobenzidine	13.98	252	213	6.760	ng	# 76
83) Chrysene	14.08	228	1828	21.835	ng	# 39
84) Bis(2-ethylhexyl)phthalate	14.02	149	768	15.037	ng	# 50
85) Di-n-octyl phthalate	14.65	149	578	7.230	ng	# 52
86) Indeno(1,2,3-cd)pyrene	17.02	276	496	6.255	ng	# 62
88) Benzo(b)fluoranthene	15.10	252	946	47.019	ng	# 1
89) Benzo(k)fluoranthene	15.13	252	678	39.176	ng	# 1
90) Benzo(a)pyrene	15.47	252	269	15.458	ng	# 1
91) Dibenzo(a,h)anthracene	17.03	278	1208	73.947	ng	# 1
92) Benzo(a,h,i)perylene	17.45	276	758	45.979	ng	# 1

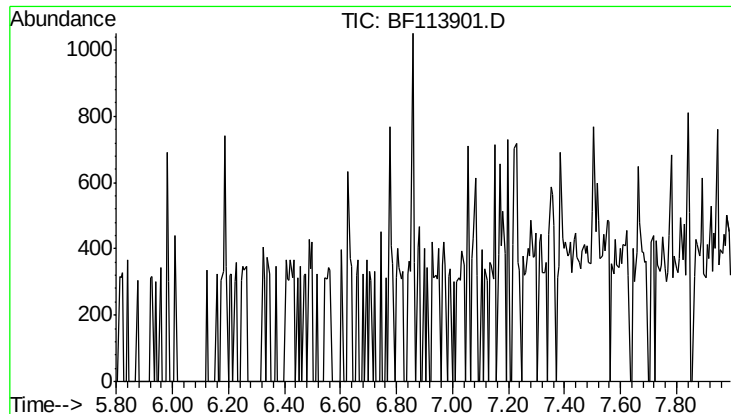
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.000 ng

Expected RT: 6.90 min

Lab File: BF113901.D

Acq: 23 Apr 2019 1:47

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-CRE

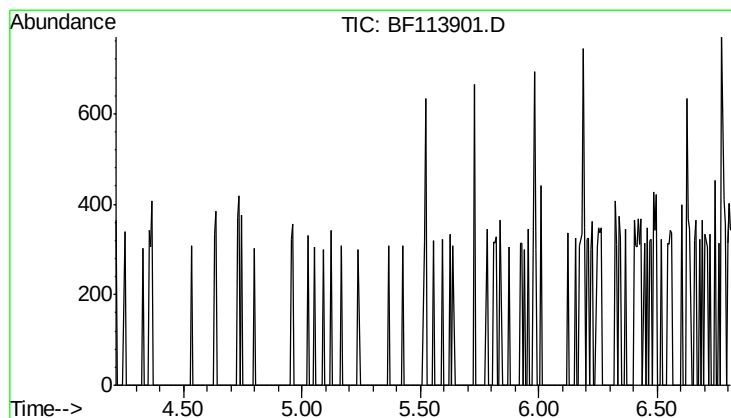
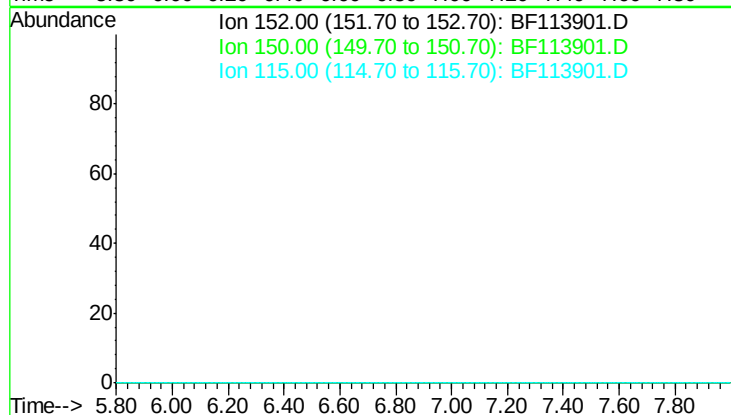
Tot Ion: 152

Sig Exp Ratio

152 100

150 157.4

115 57.4



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.52 min

Lab File: BF113901.D

Acq: 23 Apr 2019 1:47

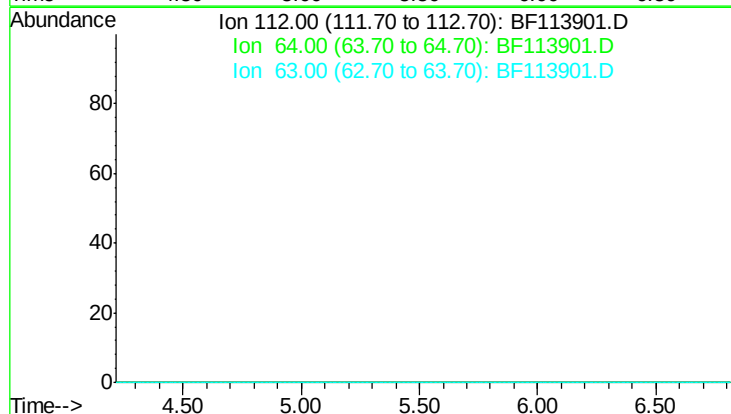
Tgt Ion: 112

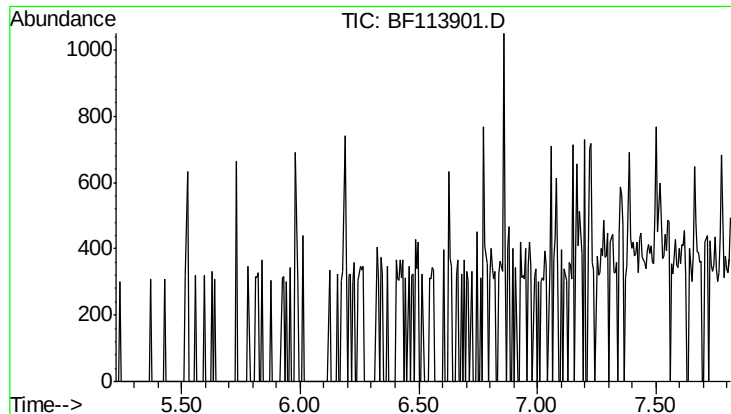
Sig Exp Ratio

112 100

64 58.2

63 28.9





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.52 min

Lab File: BF113901.D

Acq: 23 Apr 2019 1:47

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-CRE

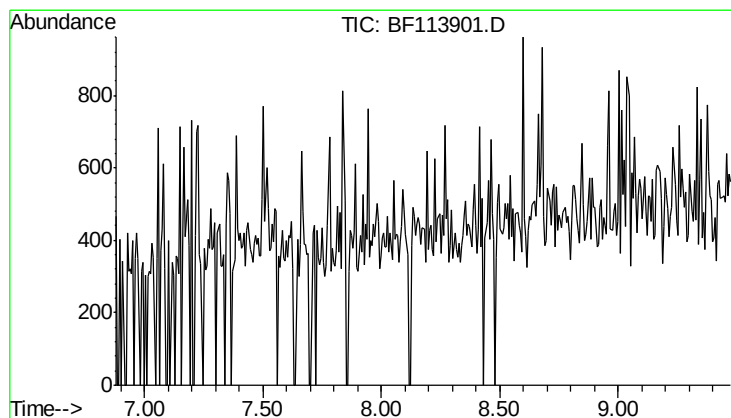
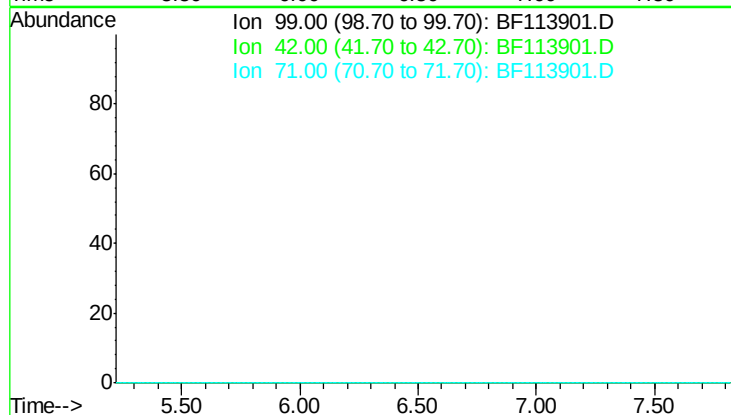
Tot Ion: 99

Sig Exp Ratio

99 100

42 15.6

71 33.6



#21

Naphthalene-d8

Concen: 0.000 ng

Expected RT: 8.18 min

Lab File: BF113901.D

Acq: 23 Apr 2019 1:47

Tgt Ion: 136

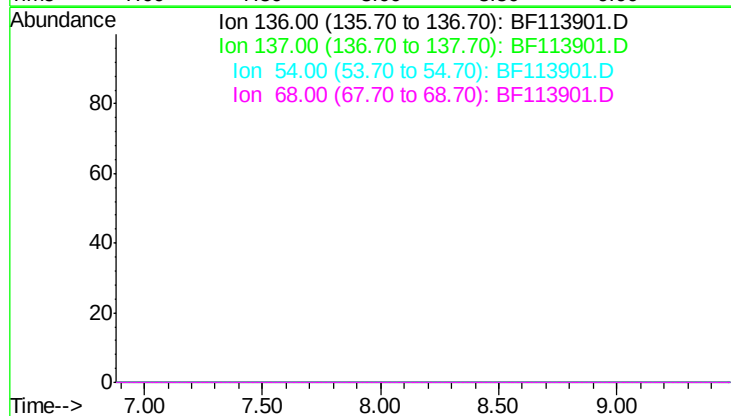
Sig Exp Ratio

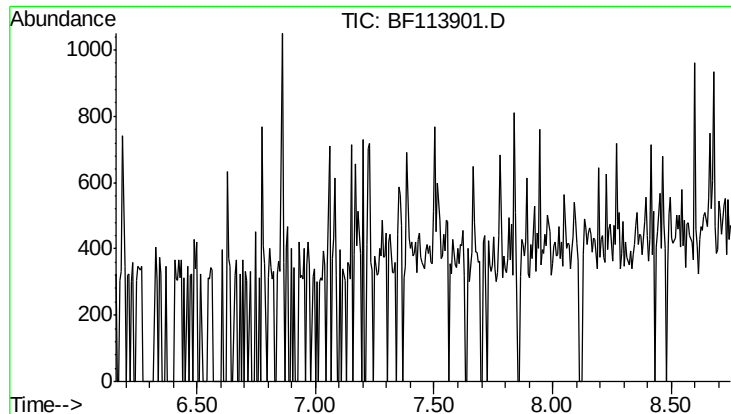
136 100

137 10.7

54 6.3

68 6.1

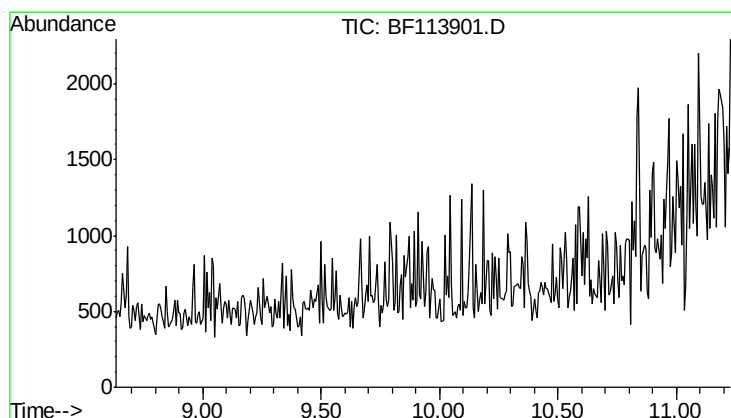
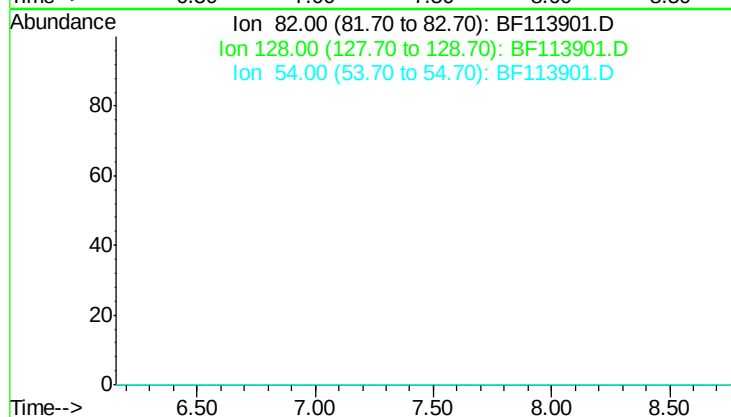




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 7.46 min
 Lab File: BF113901.D
 Acq: 23 Apr 2019 1:47

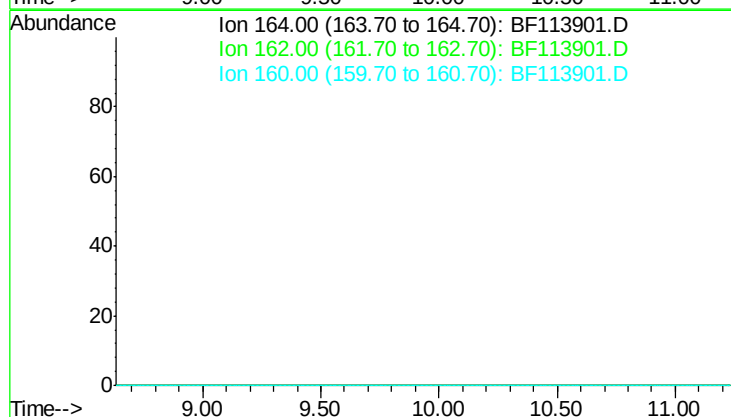
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-041719-CRE

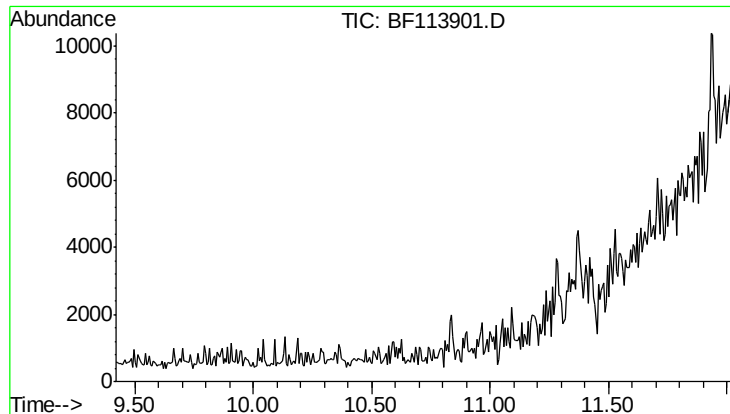
Tot Ion	82
Sig	Exp Ratio
82	100
128	46.0
54	42.2



#39
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 9.93 min
 Lab File: BF113901.D
 Acq: 23 Apr 2019 1:47

Tgt Ion	164
Sig	Exp Ratio
164	100
162	101.4
160	44.7

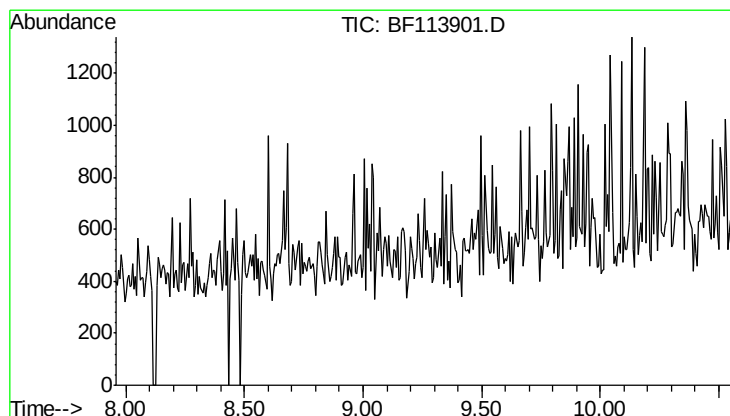
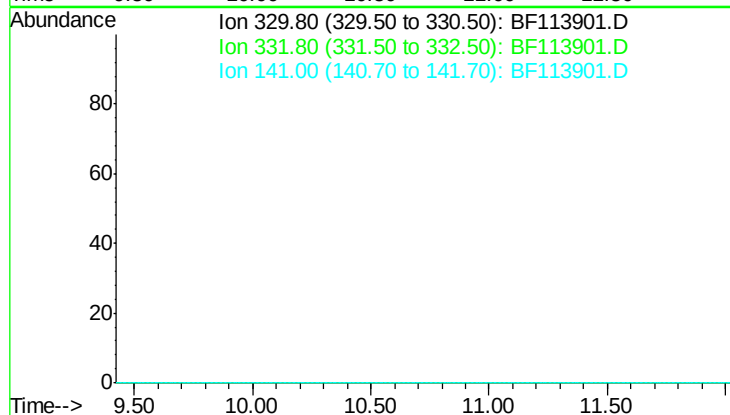




#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.72 min
 Lab File: BF113901.D
 Acq: 23 Apr 2019 1:47

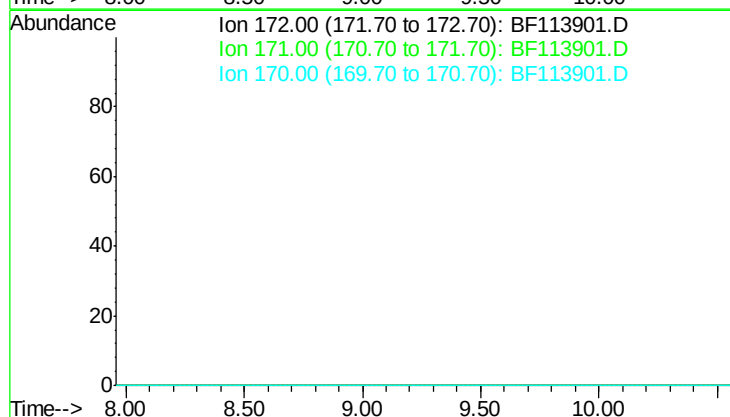
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-041719-CRE

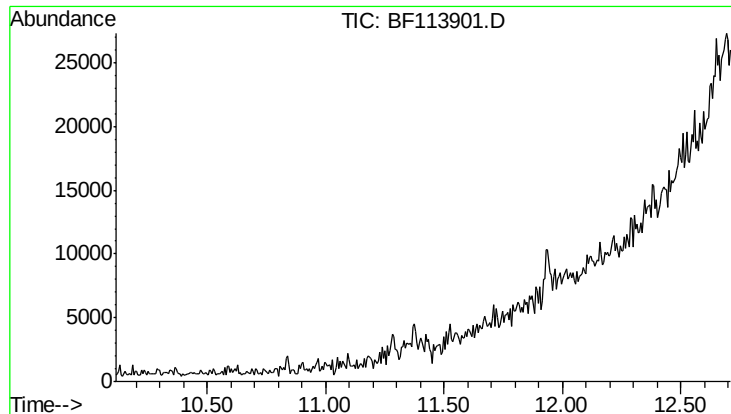
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 96.9
 141 27.7



#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.26 min
 Lab File: BF113901.D
 Acq: 23 Apr 2019 1:47

Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 36.7
 170 24.9

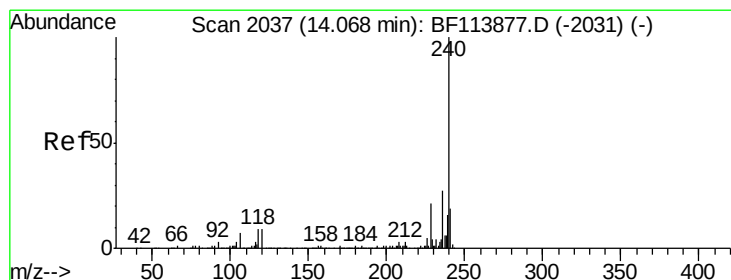
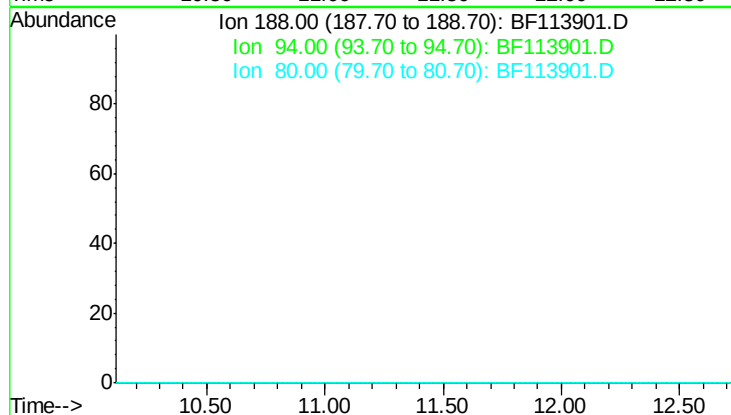




#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 11.42 min
 Lab File: BF113901.D
 Acq: 23 Apr 2019 1:47

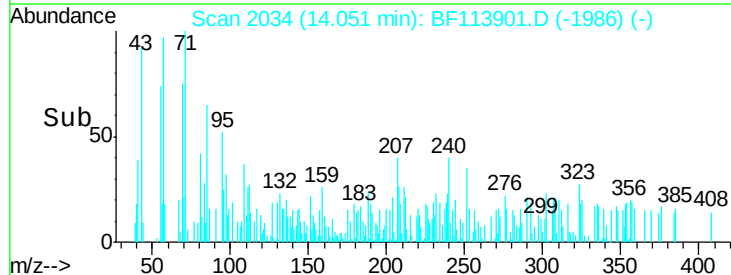
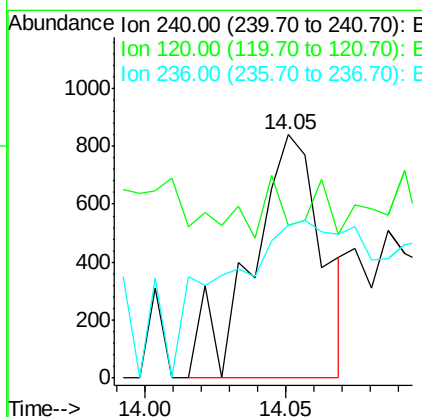
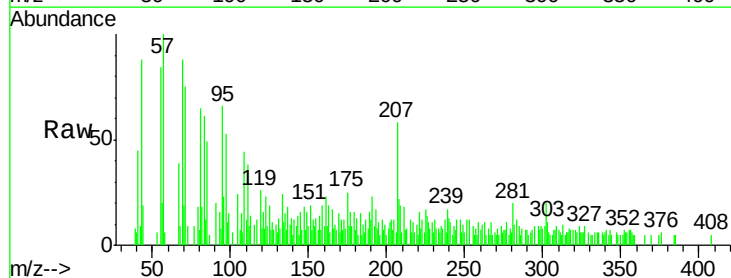
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-041719-CRE

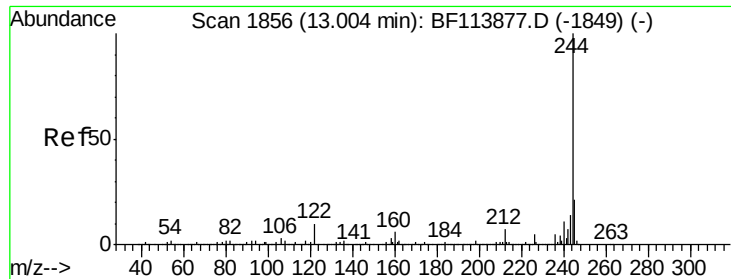
Tot Ion: 188
 Sig Exp Ratio
 188 100
 94 10.3
 80 11.3



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF113901.D
 Acq: 23 Apr 2019 1:47

Tgt Ion: 240 Resp: 1459
 Ion Ratio Lower Upper
 240 100
 120 62.6 9.3 13.9#
 236 62.7 21.2 31.8#





#79

Terphenyl-d14

Concen: 13.869 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113901.D

Acq: 23 Apr 2019 1:47

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-CRE

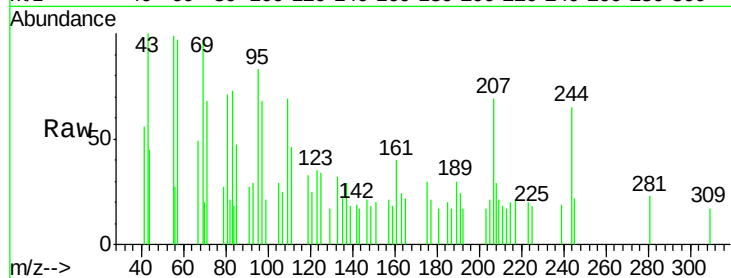
Tot Ion:244 Resp: 987

Ion Ratio Lower Upper

244 100

212 0.0 5.4 8.2#

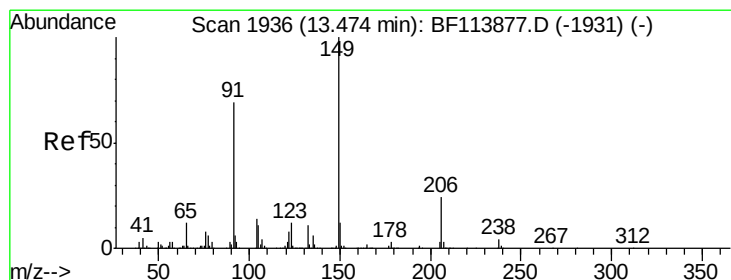
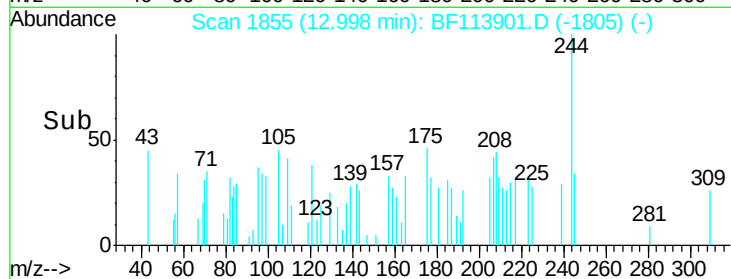
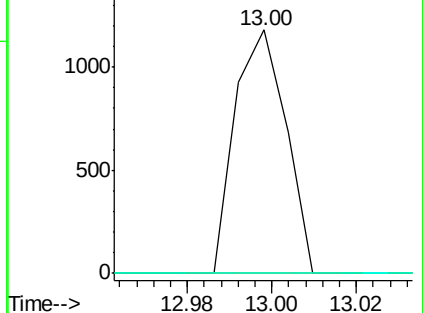
122 0.0 7.6 11.4#



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: 5.480 ng

RT: 13.44 min Scan# 1930

Delta R.T. -0.04 min

Lab File: BF113901.D

Acq: 23 Apr 2019 1:47

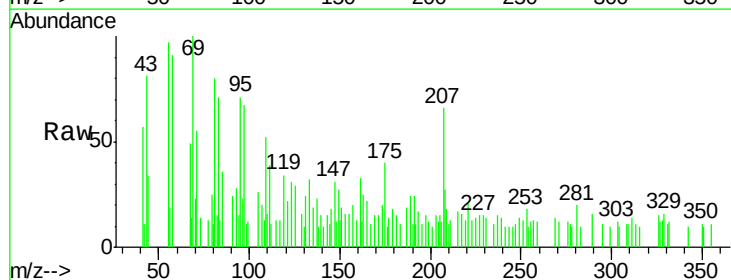
Tgt Ion:149 Resp: 220

Ion Ratio Lower Upper

149 100

91 90.7 56.3 84.5#

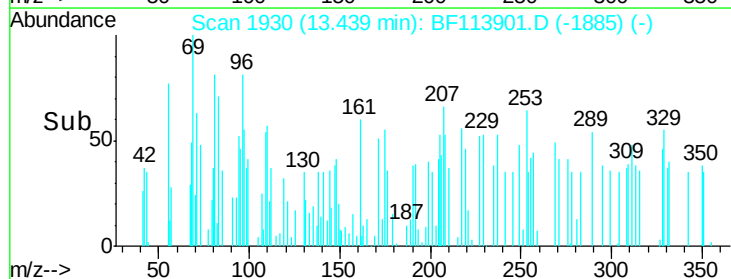
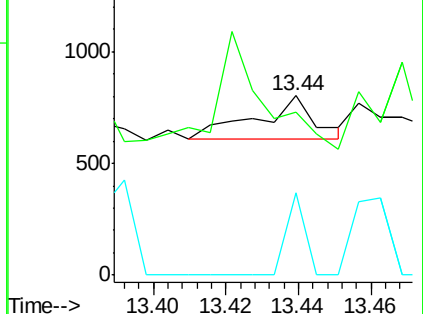
206 45.9 19.0 28.6#

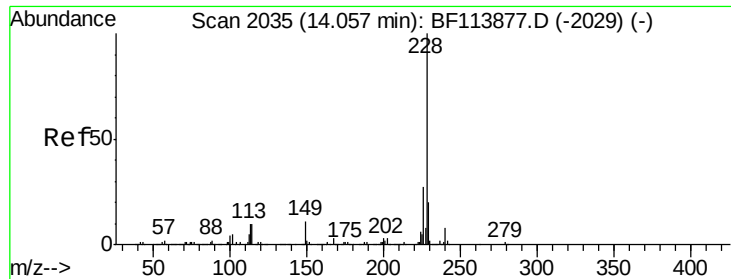


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

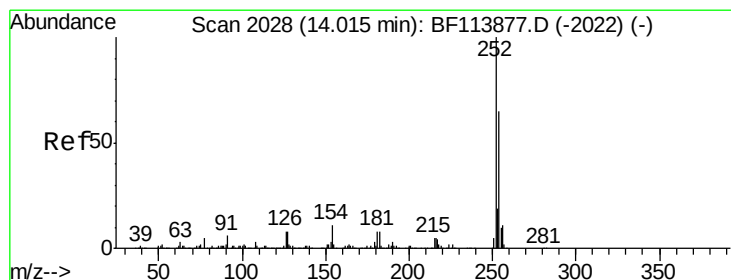
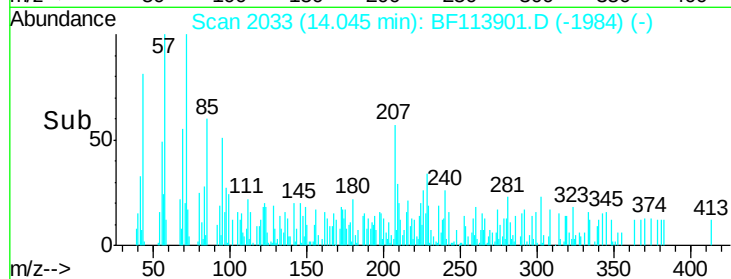
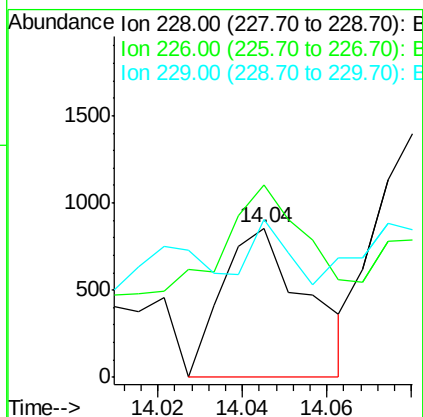
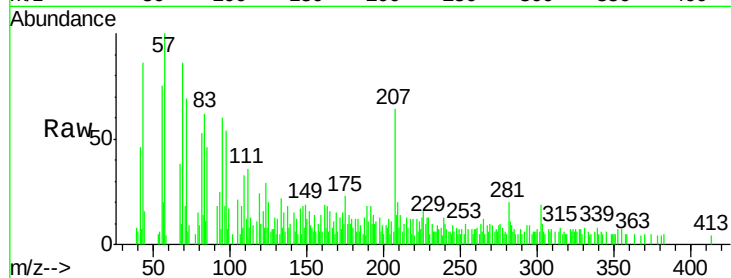




#81
Benzo(a)anthracene
Concen: 13.750 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF113901.D
Acq: 23 Apr 2019 1:47

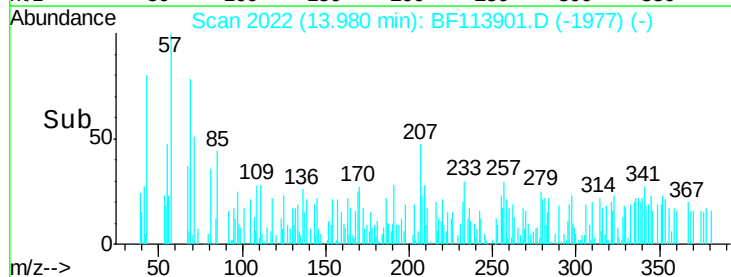
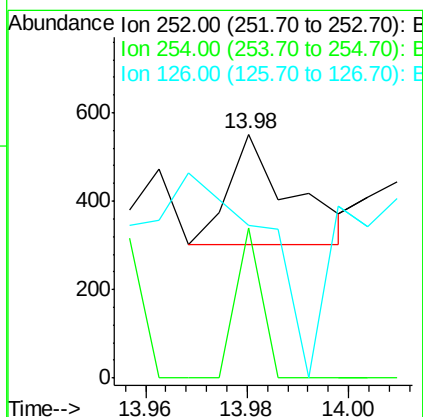
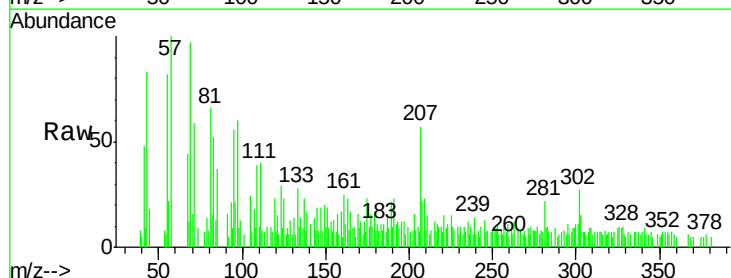
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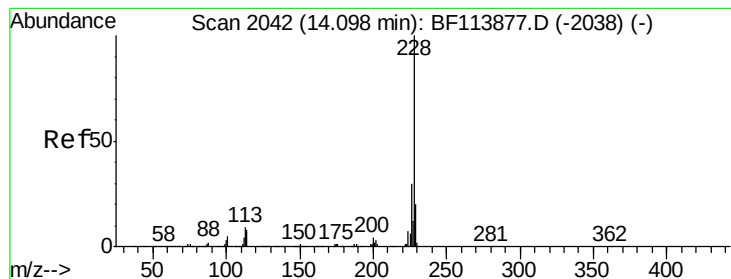
Tot Ion:228 Resp: 1182
Ion Ratio Lower Upper
228 100
226 129.0 22.2 33.2#
229 106.2 16.0 24.0#



#82
3,3'-Dichlorobenzidine
Concen: 6.760 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.04 min
Lab File: BF113901.D
Acq: 23 Apr 2019 1:47

Tgt Ion:252 Resp: 213
Ion Ratio Lower Upper
252 100
254 61.7 52.1 78.1
126 62.8 9.3 13.9#





#83

Chrysene

Concen: 21.835 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF113901.D

Acq: 23 Apr 2019 1:47

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-CRE

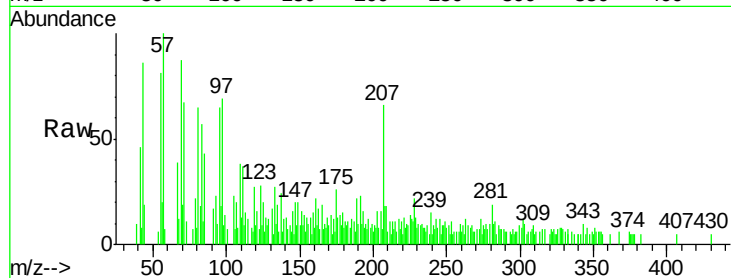
Tot Ion:228 Resp: 1828

Ion Ratio Lower Upper

228 100

226 56.4 25.2 37.8#

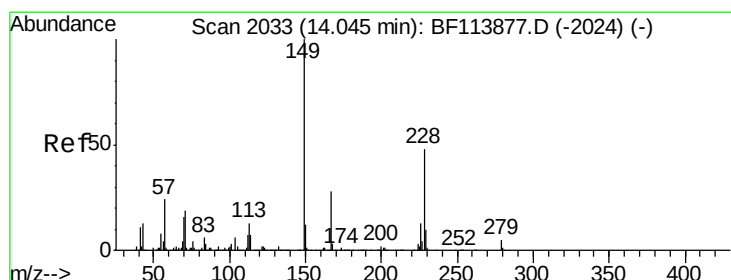
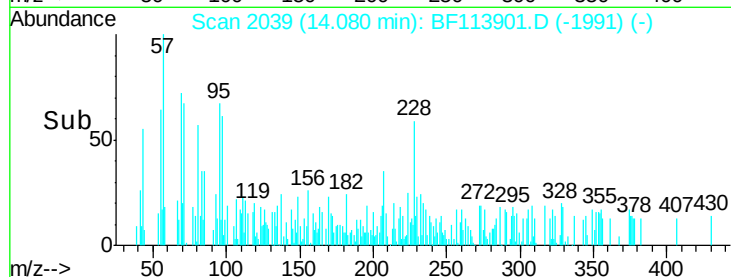
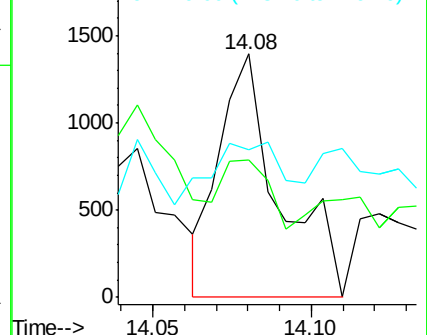
229 60.6 16.7 25.1#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 15.037 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF113901.D

Acq: 23 Apr 2019 1:47

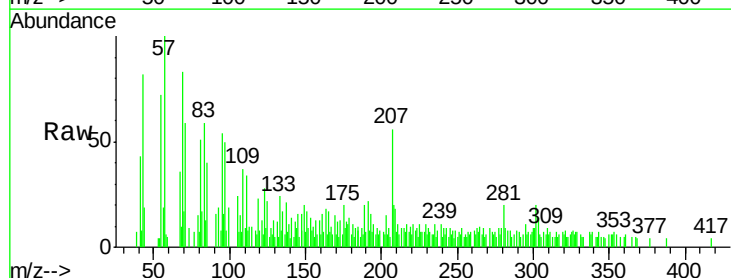
Tgt Ion:149 Resp: 768

Ion Ratio Lower Upper

149 100

167 49.0 22.9 34.3#

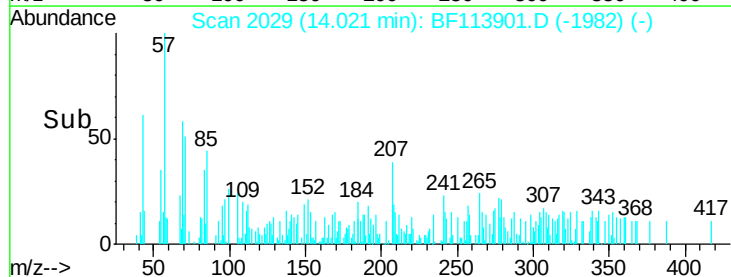
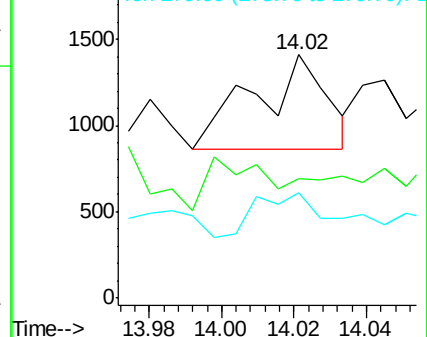
279 43.2 4.2 6.2#

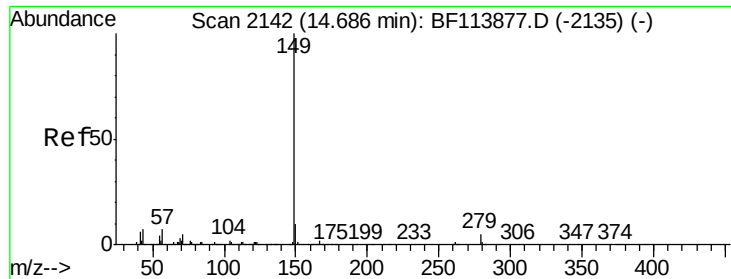


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 7.230 ng

RT: 14.65 min Scan# 2136

Delta R.T. -0.04 min

Lab File: BF113901.D

Acq: 23 Apr 2019 1:47

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-CRE

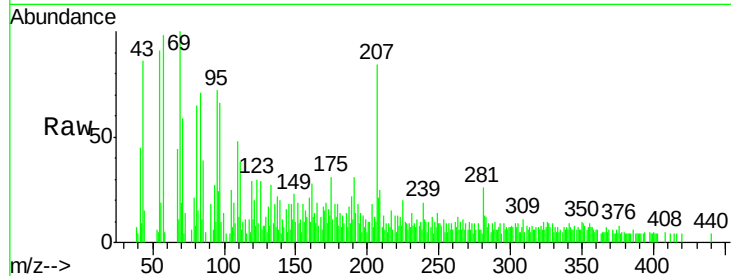
Tot Ion:149 Resp: 578

Ion Ratio Lower Upper

149 100

167 67.5 1.3 1.9#

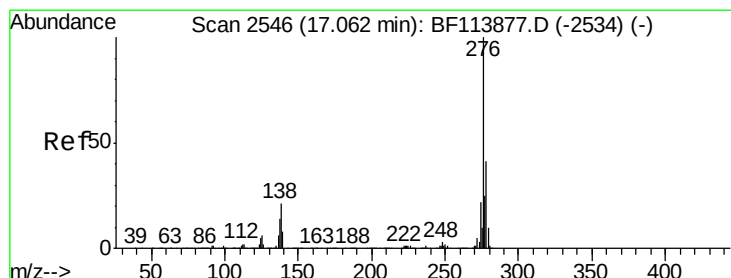
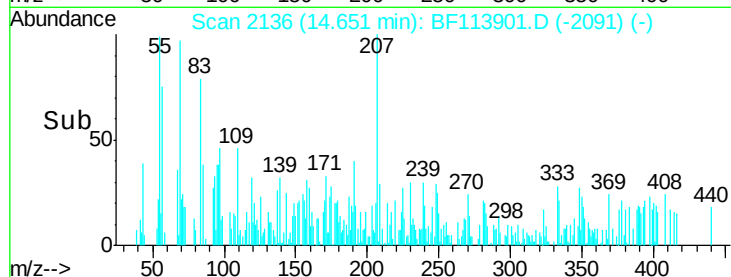
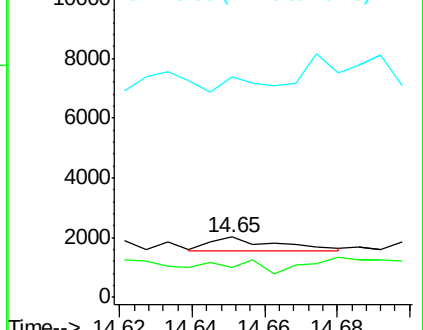
43 0.0 6.6 10.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.255 ng

RT: 17.02 min Scan# 2538

Delta R.T. -0.05 min

Lab File: BF113901.D

Acq: 23 Apr 2019 1:47

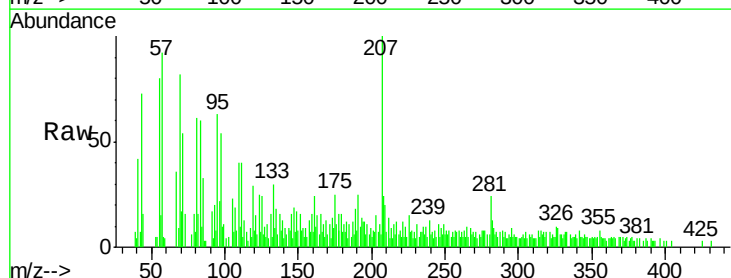
Tgt Ion:276 Resp: 496

Ion Ratio Lower Upper

276 100

138 45.2 19.6 29.4#

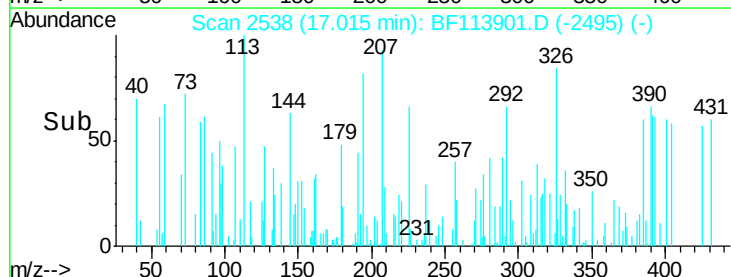
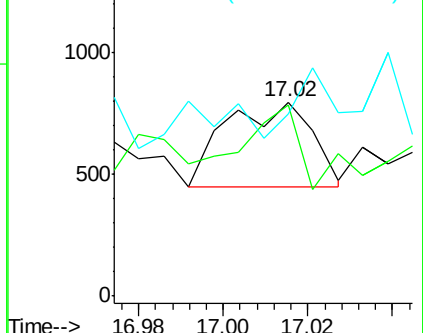
277 42.7 20.2 30.4#

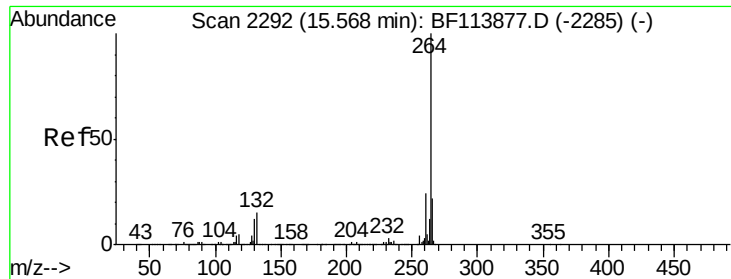


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.53 min Scan# 2286

Delta R.T. -0.04 min

Lab File: BF113901.D

Acq: 23 Apr 2019 1:47

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-CRE

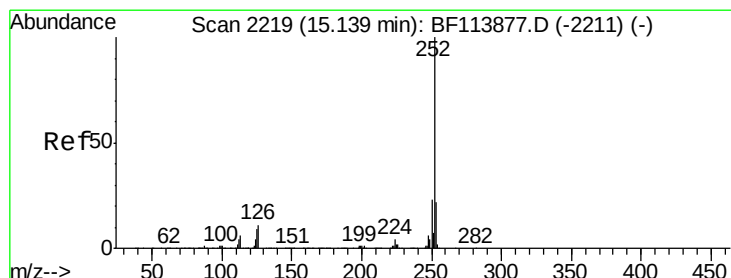
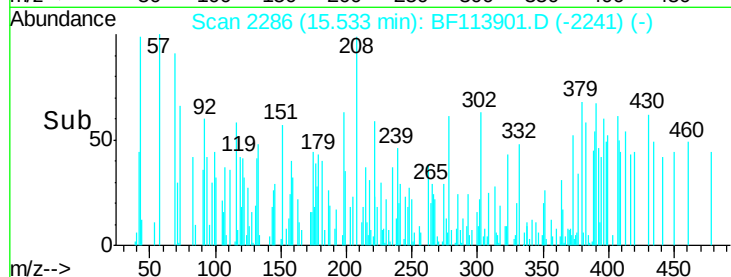
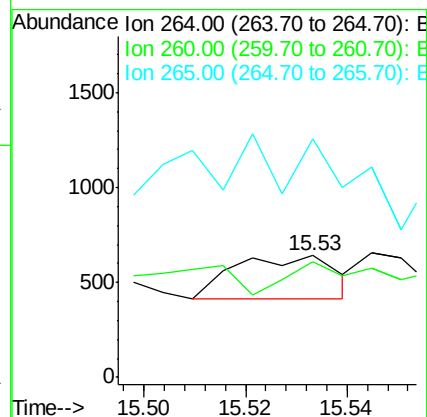
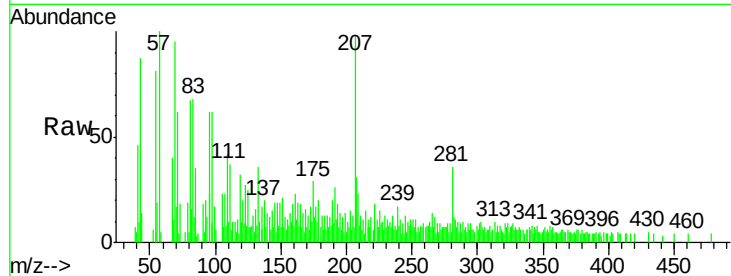
Tot Ion:264 Resp: 318

Ion Ratio Lower Upper

264 100

260 95.6 18.9 28.3#

265 196.1 17.3 25.9#



#88

Benzo(b)fluoranthene

Concen: 47.019 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.04 min

Lab File: BF113901.D

Acq: 23 Apr 2019 1:47

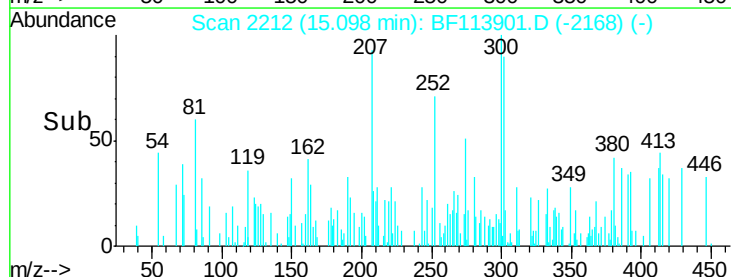
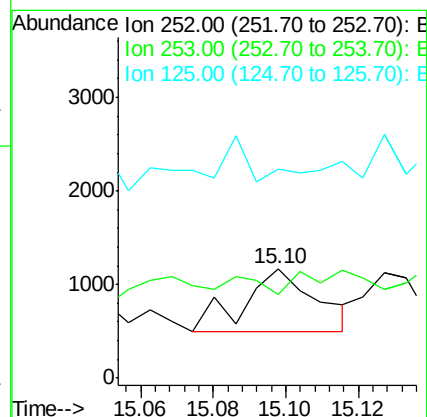
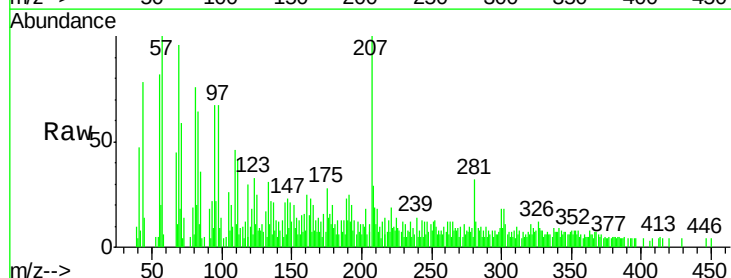
Tgt Ion:252 Resp: 946

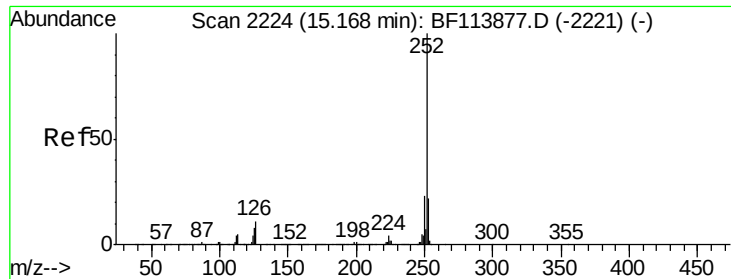
Ion Ratio Lower Upper

252 100

253 76.0 17.8 26.6#

125 190.7 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 39.176 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.04 min

Lab File: BF113901.D

Acq: 23 Apr 2019 1:47

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-CRE

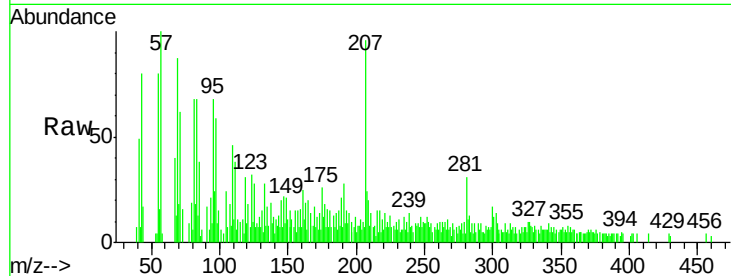
Tot Ion:252 Resp: 678

Ion Ratio Lower Upper

252 100

253 83.5 18.2 27.2#

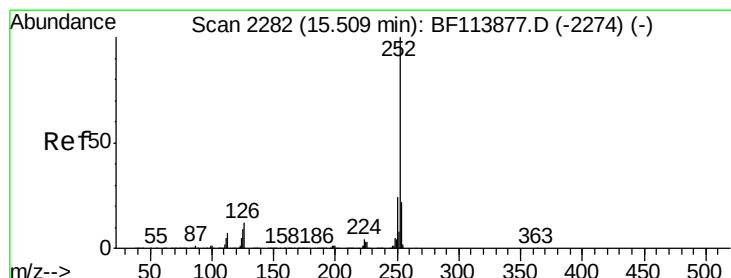
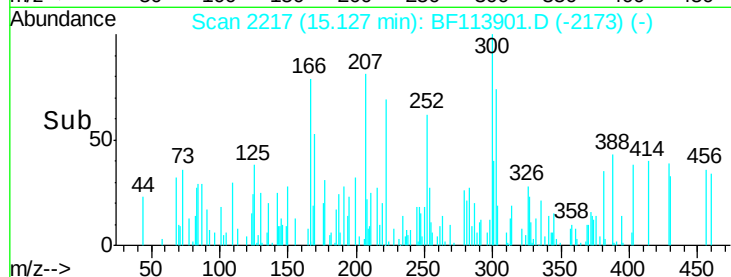
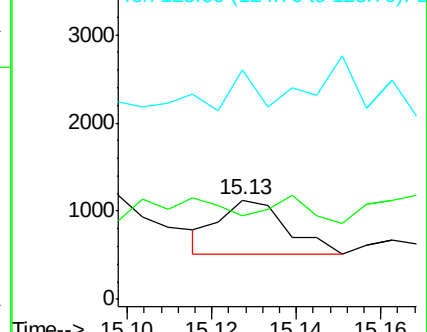
125 230.8 7.4 11.2#



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



#90

Benzo(a)pyrene

Concen: 15.458 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.04 min

Lab File: BF113901.D

Acq: 23 Apr 2019 1:47

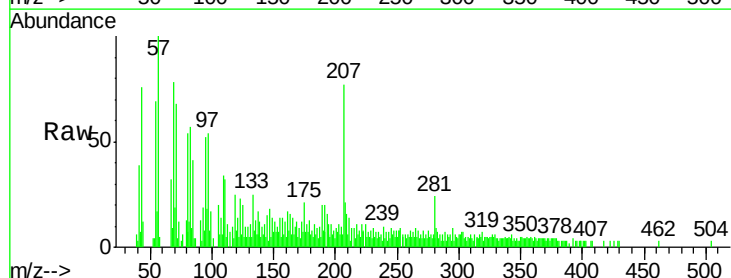
Tgt Ion:252 Resp: 269

Ion Ratio Lower Upper

252 100

253 114.2 17.5 26.3#

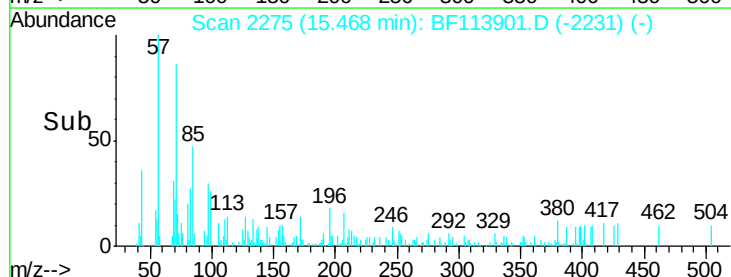
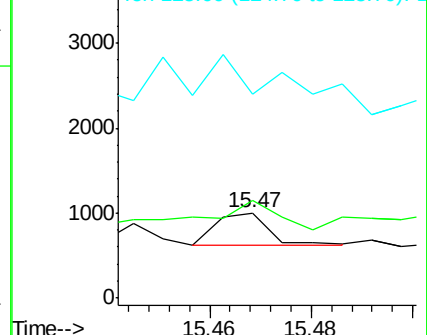
125 238.1 8.5 12.7#

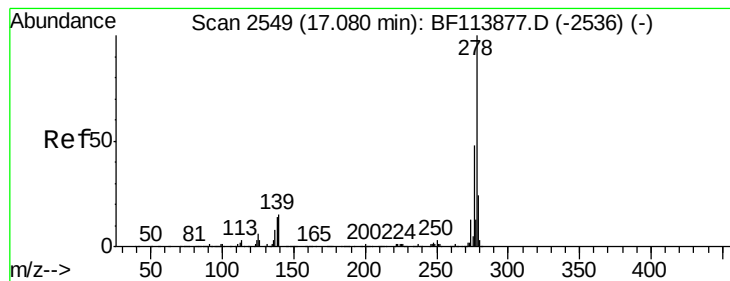


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 73.947 ng

RT: 17.03 min Scan# 2540

Delta R.T. -0.05 min

Lab File: BF113901.D

Acq: 23 Apr 2019 1:47

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-CRE

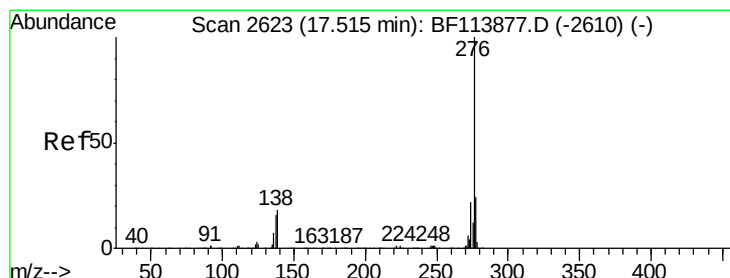
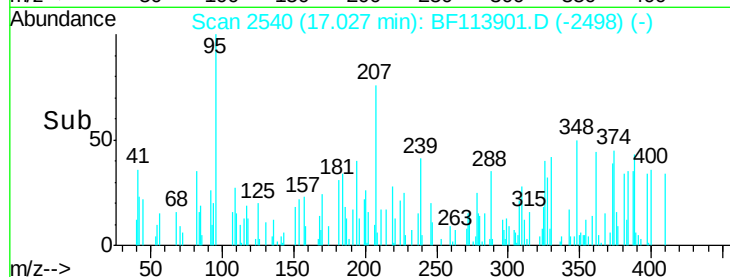
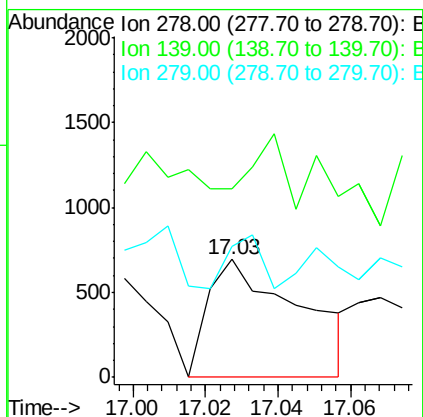
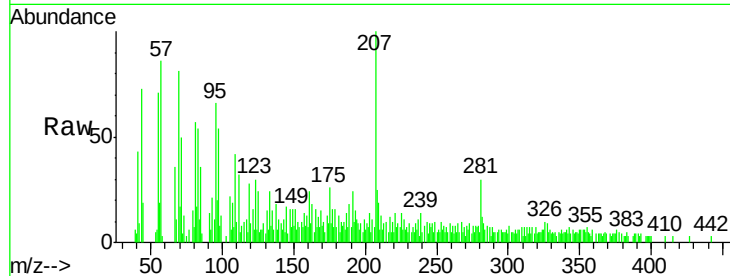
Tot Ion:278 Resp: 1208

Ion Ratio Lower Upper

278 100

139 159.9 11.6 17.4#

279 110.8 19.0 28.6#



#92

Benzo(g,h,i)perylene

Concen: 45.979 ng

RT: 17.45 min Scan# 2612

Delta R.T. -0.06 min

Lab File: BF113901.D

Acq: 23 Apr 2019 1:47

Tgt Ion:276 Resp: 758

Ion Ratio Lower Upper

276 100

277 102.1 19.0 28.4#

138 84.8 16.6 25.0#

