

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051819\
 Data File : BF114424.D
 Acq On : 19 May 2019 7:09
 Operator : JU/SJ
 Sample : PB119867BS
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 04:16:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

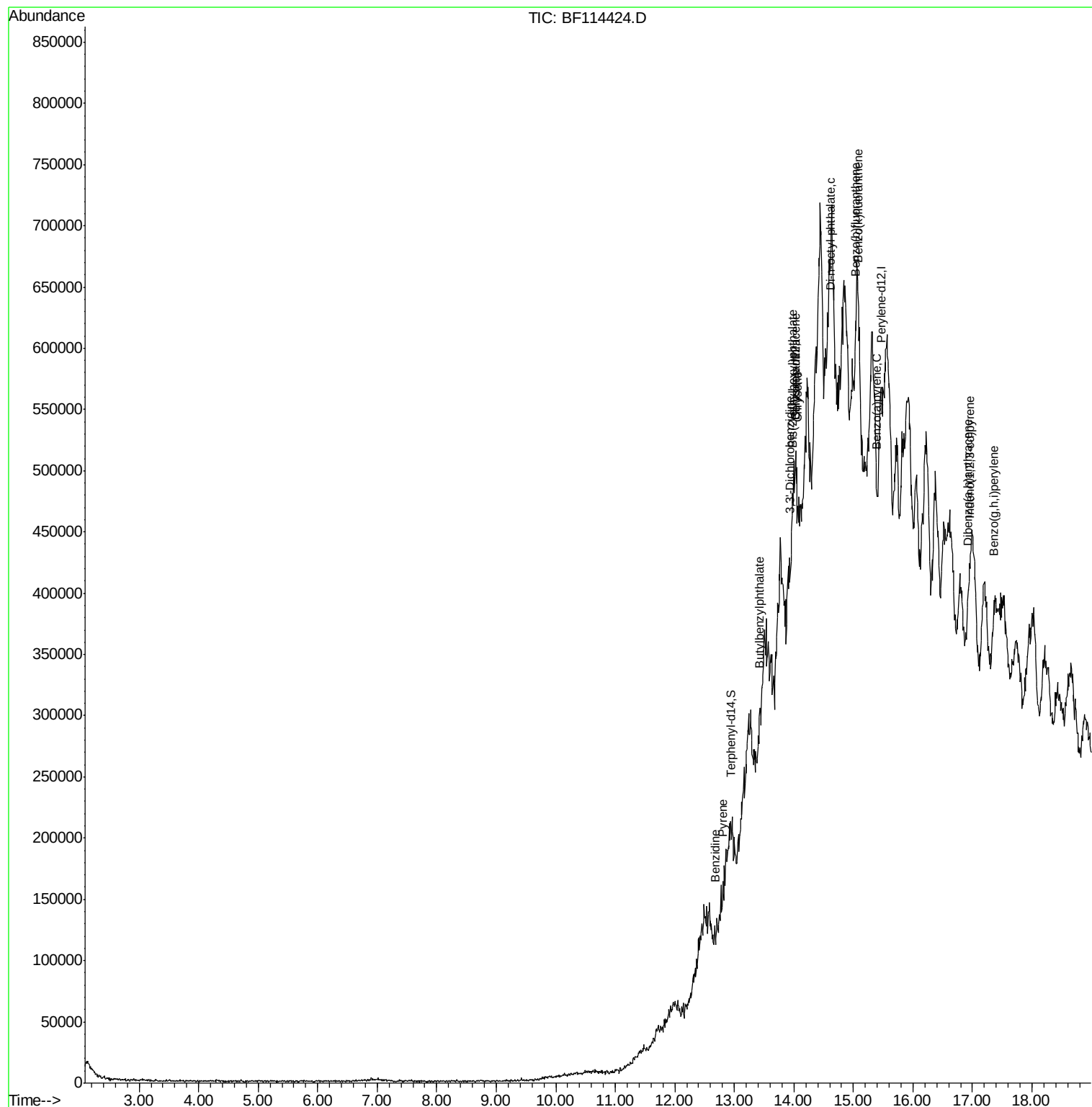
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-6.85
21) Naphthalene-d8	0.00	136	0	0.00	ng	-8.13
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-9.89
64) Phenanthrene-d10	0.00	188	0	0.00	ng	-11.37
76) Chrysene-d12	14.02	240	851	20.00	ng	0.00
87) Perylene-d12	15.46	264	392	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	12.94	244	967	23.42	ng	-0.02
Target Compounds						
77) Benzidine	12.68	184	130	3.403	ng	# 1
78) Pyrene	12.80	202	819	11.963	ng	# 1
80) Butylbenzylphthalate	13.41	149	1046	36.301	ng	# 89
81) Benzo(a)anthracene	14.02	228	343	6.232	ng	# 1
82) 3,3'-Dichlorobenzidine	13.92	252	337	15.783	ng	# 20
83) Chrysene	14.05	228	229	4.244	ng	# 4
84) Bis(2-ethylhexyl)phthalate	13.98	149	888	23.563	ng	# 30
85) Di-n-octyl phthalate	14.61	149	5962	97.591	ng	# 70
86) Indeno(1,2,3-cd)pyrene	16.96	276	889	18.643	ng	# 57
88) Benzo(b)fluoranthene	15.03	252	532	21.184	ng	# 1
89) Benzo(k)fluoranthene	15.09	252	488	21.153	ng	# 1
90) Benzo(a)pyrene	15.40	252	207	9.366	ng	# 1
91) Dibenzo(a,h)anthracene	16.92	278	989	53.850	ng	# 1
92) Benzo(a,h,i)perylene	17.36	276	576	31.295	ng	# 1

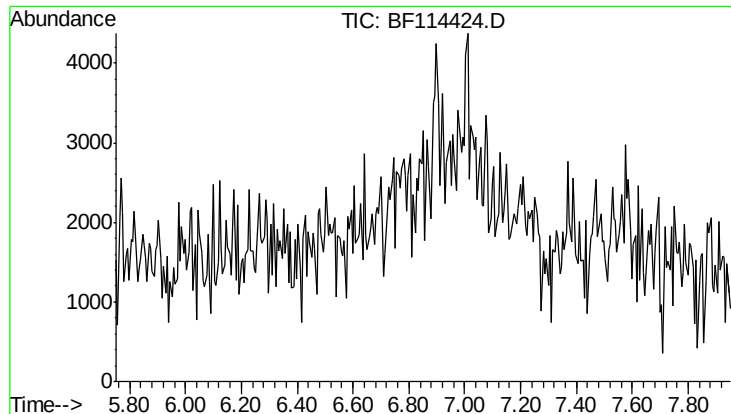
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
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#1

1,4-Dichlorobenzene-d4

Concen: 0.000 ng

Expected RT: 6.85 min

Lab File: BF114424.D

Acq: 19 May 2019 7:09

Instrument :

BNA_F

ClientSampleId :

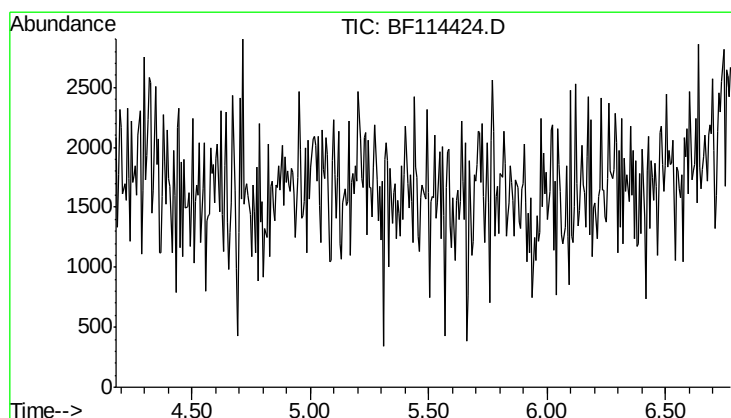
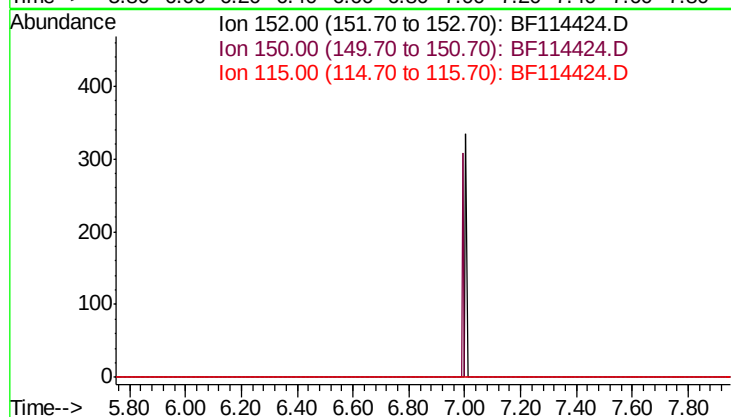
Tot Ion: 152

Sig Exp Ratio

152 100

150 155.4

115 61.4



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.48 min

Lab File: BF114424.D

Acq: 19 May 2019 7:09

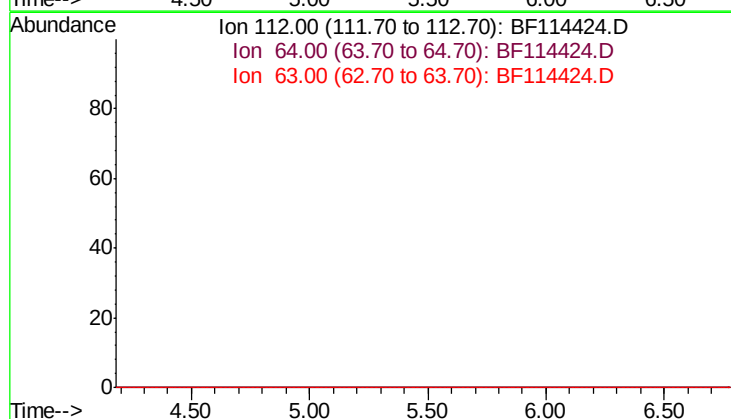
Tgt Ion: 112

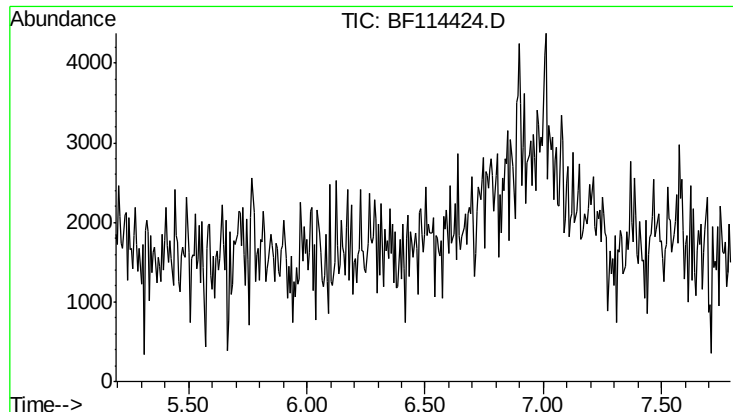
Sig Exp Ratio

112 100

64 61.3

63 30.8

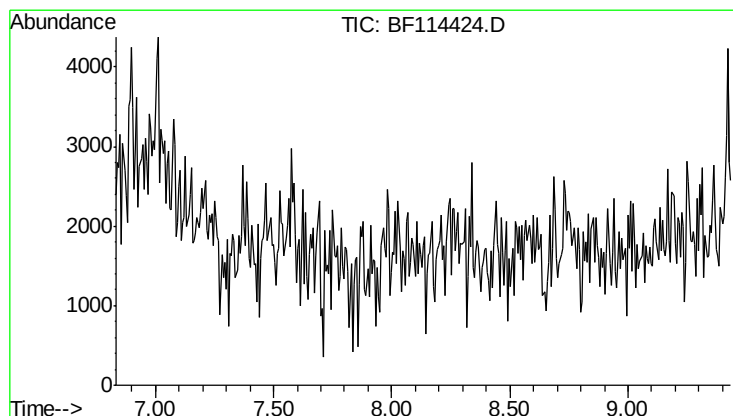
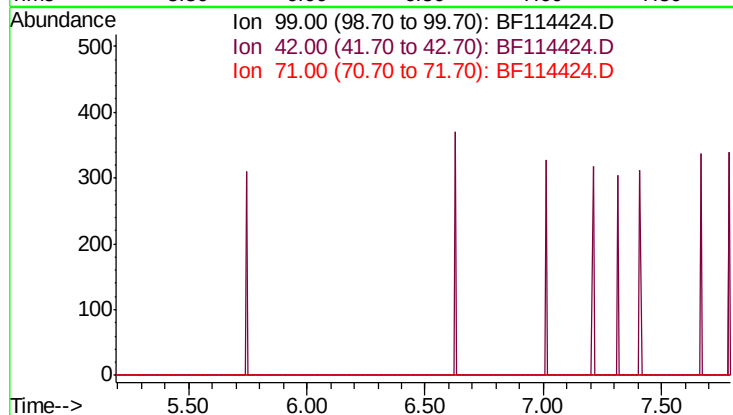




#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.49 min
 Lab File: BF114424.D
 Acq: 19 May 2019 7:09

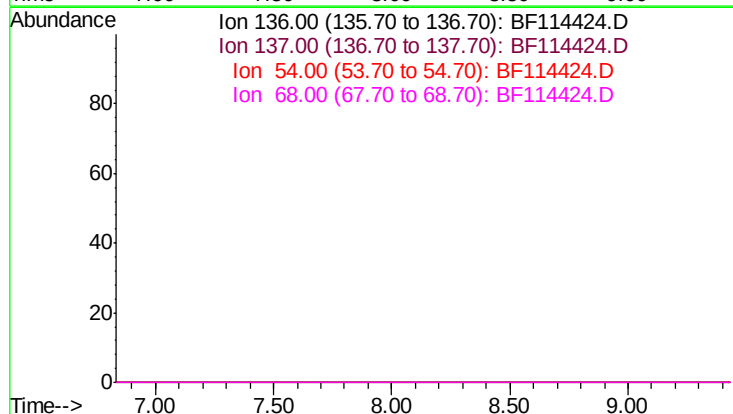
Instrument :
 BNA_F
 ClientSampleId :

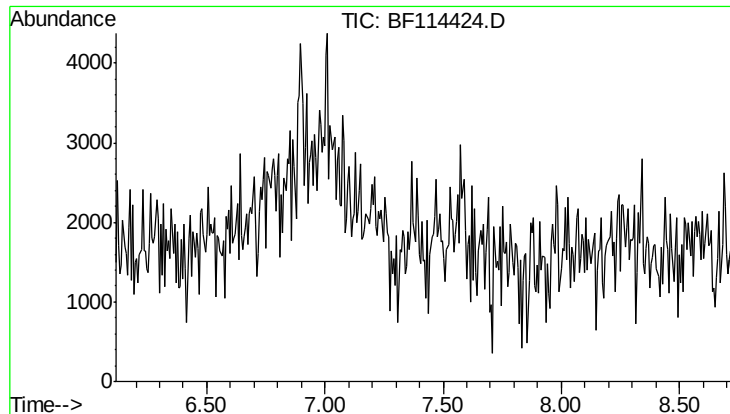
Tot Ion	Exp Ratio
99	100
42	22.4
71	32.7



#21
 Naphthalene-d8
 Concen: 0.000 ng
 Expected RT: 8.13 min
 Lab File: BF114424.D
 Acq: 19 May 2019 7:09

Tgt Ion	Exp Ratio
136	100
137	11.0
54	9.8
68	6.4

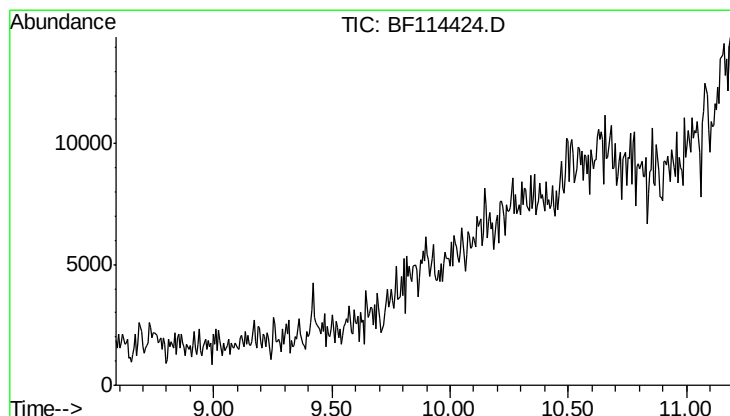
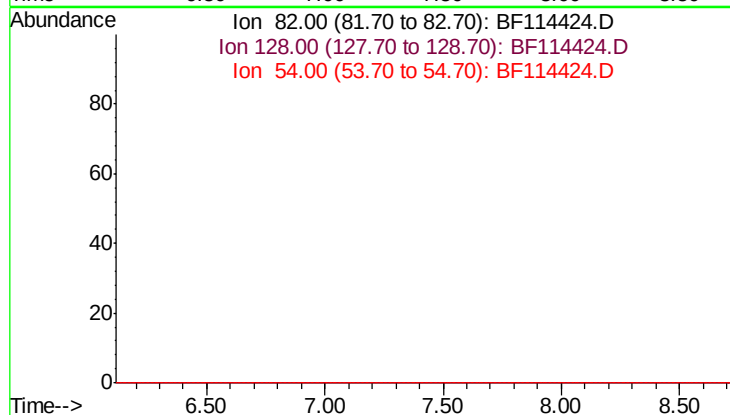




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 7.42 min
 Lab File: BF114424.D
 Acq: 19 May 2019 7:09

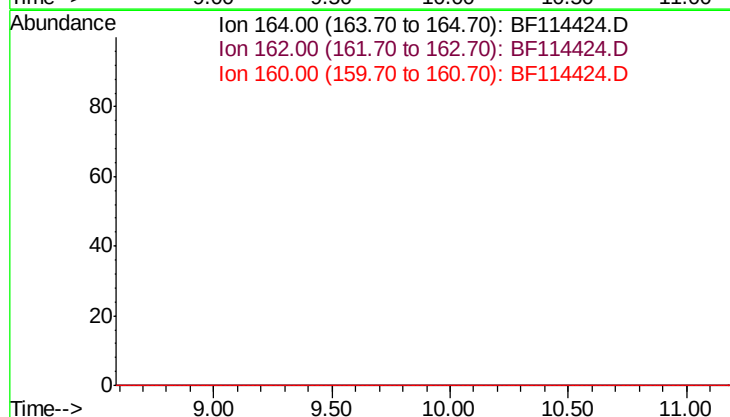
Instrument :
 BNA_F
 ClientSampleId :

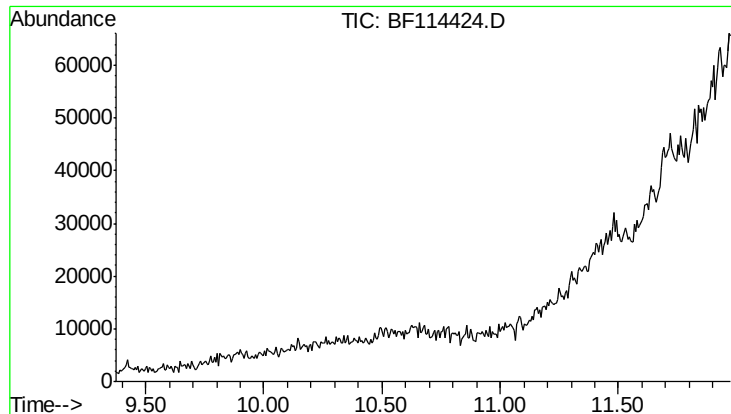
Tot Ion	82
Sig	Exp Ratio
82	100
128	44.4
54	60.6



#39
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 9.89 min
 Lab File: BF114424.D
 Acq: 19 May 2019 7:09

Tgt Ion	164
Sig	Exp Ratio
164	100
162	100.7
160	45.6

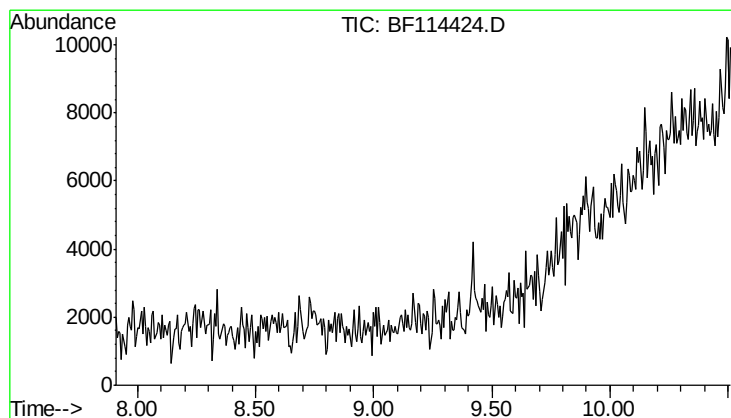
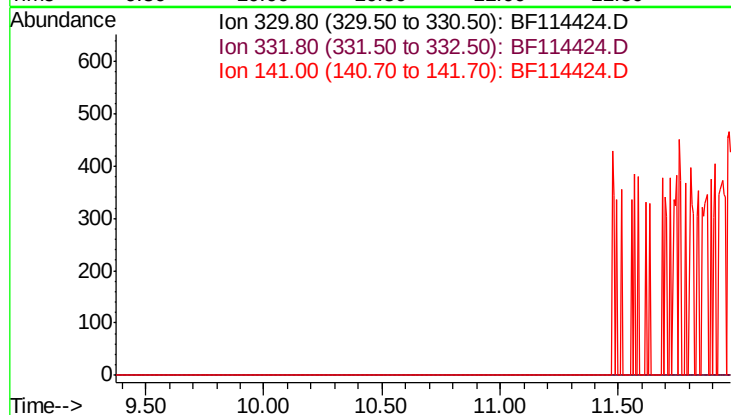




#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.67 min
 Lab File: BF114424.D
 Acq: 19 May 2019 7:09

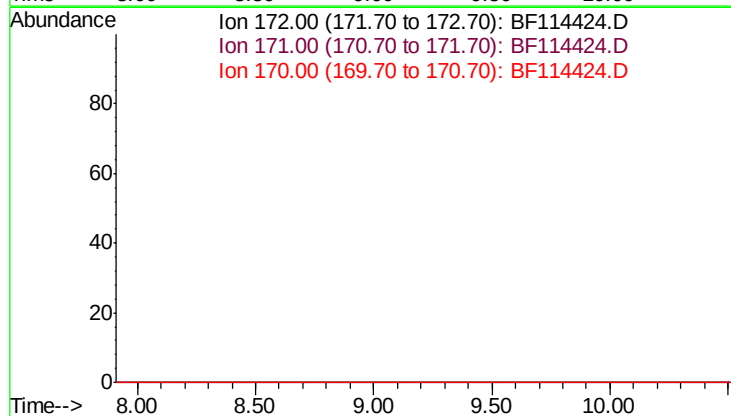
Instrument :
 BNA_F
 ClientSampleId :

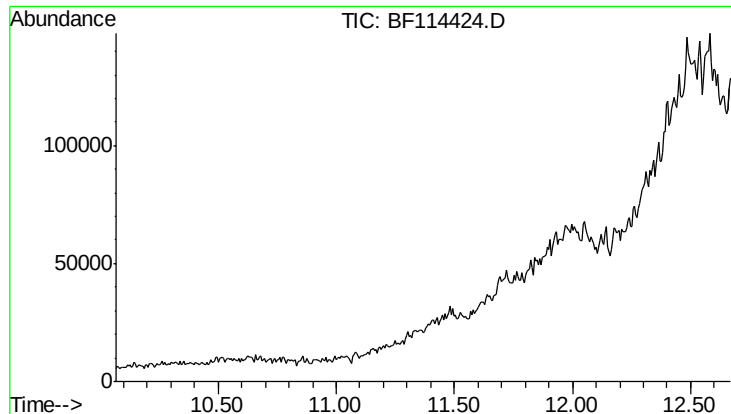
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 101.8
 141 33.3



#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.21 min
 Lab File: BF114424.D
 Acq: 19 May 2019 7:09

Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 38.4
 170 25.6





#64

Phenanthrene-d10

Concen: 0.000 ng

Expected RT: 11.37 min

Lab File: BF114424.D

Acq: 19 May 2019 7:09

Tot Ion: 188

Sig Exp Ratio

188 100

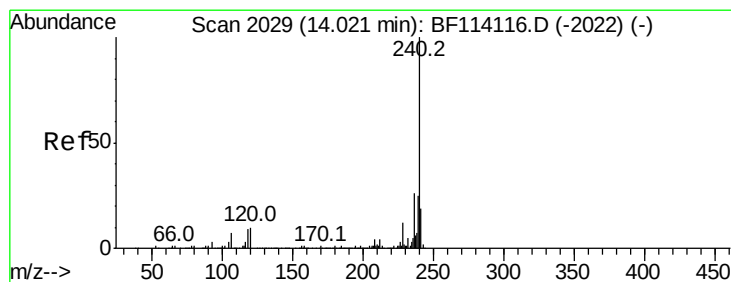
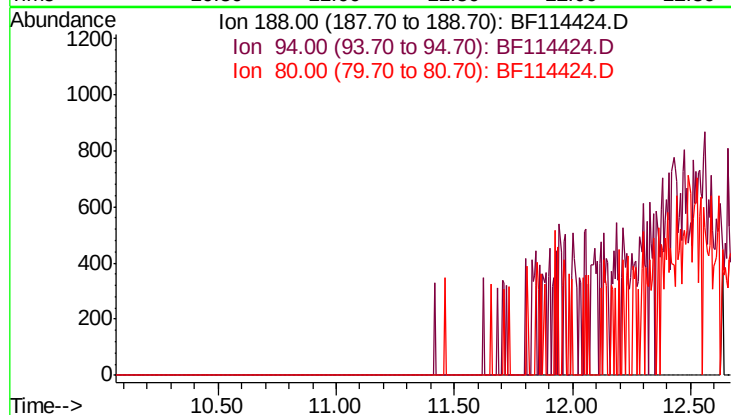
94 10.5

80 11.5

Instrument :

BNA_F

ClientSampleId :



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF114424.D

Acq: 19 May 2019 7:09

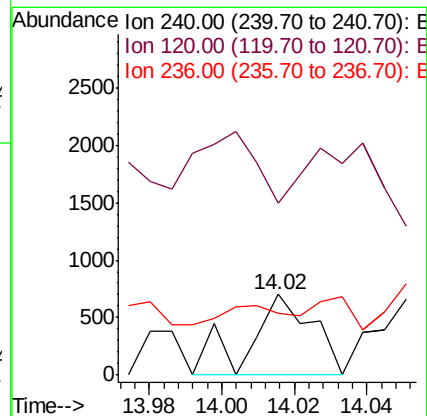
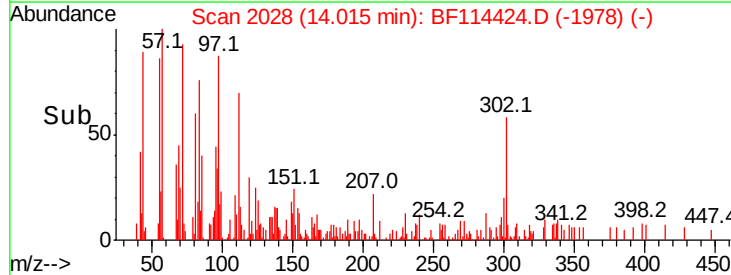
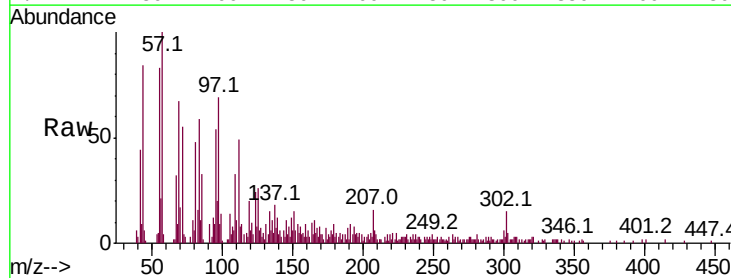
Tgt Ion:240 Resp: 851

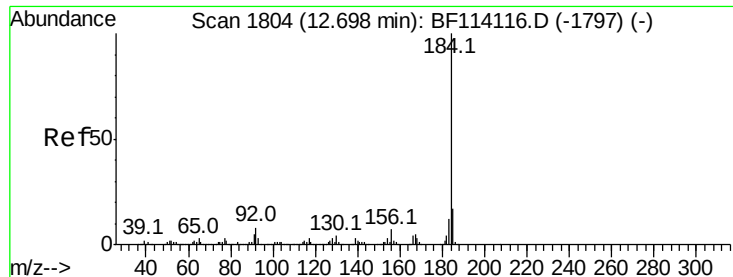
Ion Ratio Lower Upper

240 100

120 213.4 8.3 12.5#

236 77.2 20.8 31.2#





#77

Benzidine

Concen: 3.403 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF114424.D

Acq: 19 May 2019 7:09

Instrument :

BNA_F

ClientSampleId :

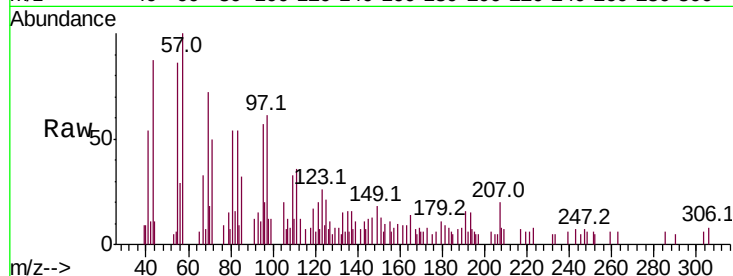
Tot Ion:184 Resp: 130

Ion Ratio Lower Upper

184 100

185 87.8 13.6 20.4#

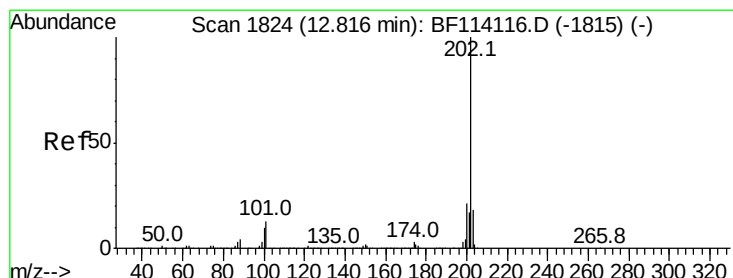
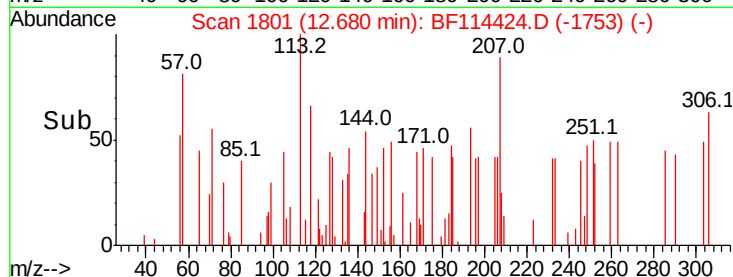
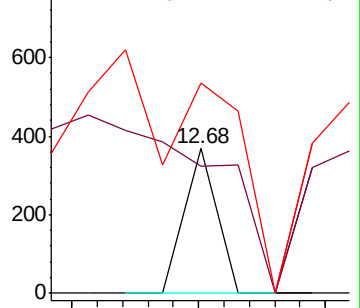
183 144.7 9.2 13.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 11.963 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF114424.D

Acq: 19 May 2019 7:09

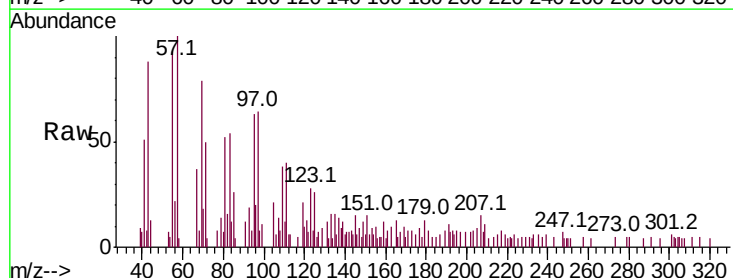
Tgt Ion:202 Resp: 819

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

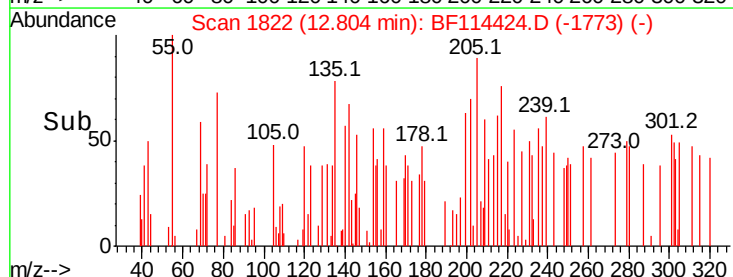
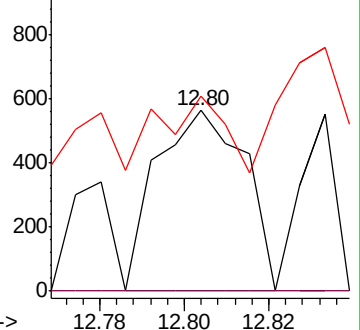
203 107.8 14.5 21.7#

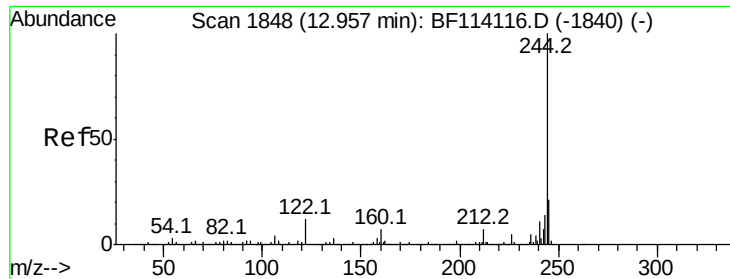


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 23.424 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.02 min

Lab File: BF114424.D

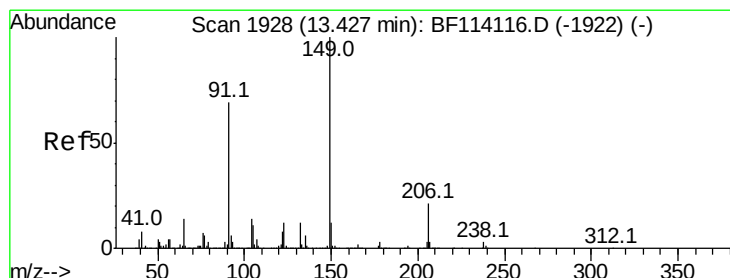
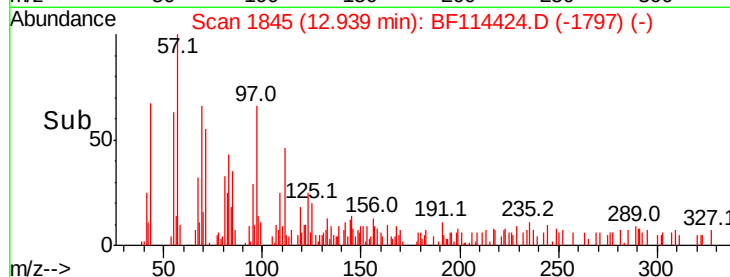
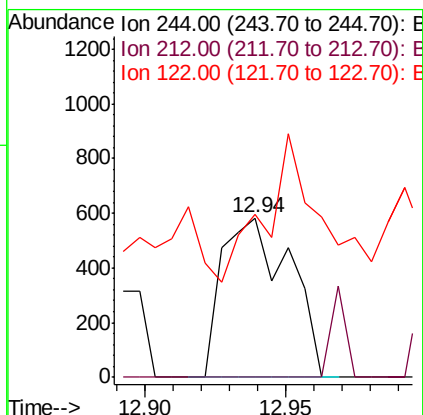
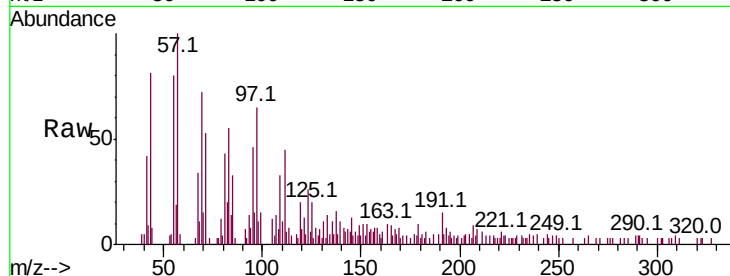
Acq: 19 May 2019 7:09

Instrument :

BNA_F

ClientSampled :

Tot Ion:	244	Resp:	967
Ion	Ratio	Lower	Upper
244	100		
212	0.0	5.8	8.6#
122	102.4	9.4	14.2#



#80

Butylbenzylphthalate

Concen: 36.301 ng

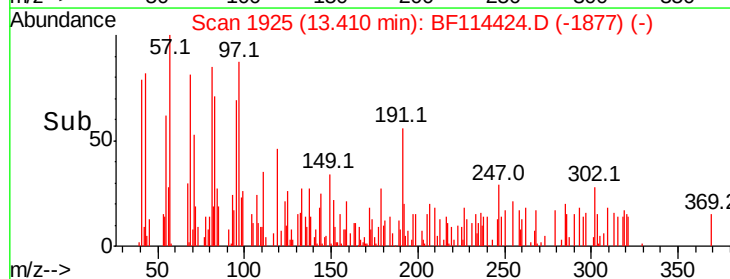
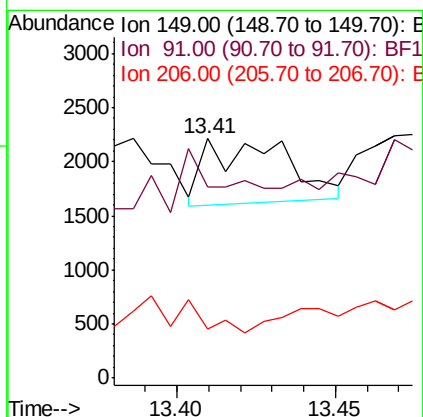
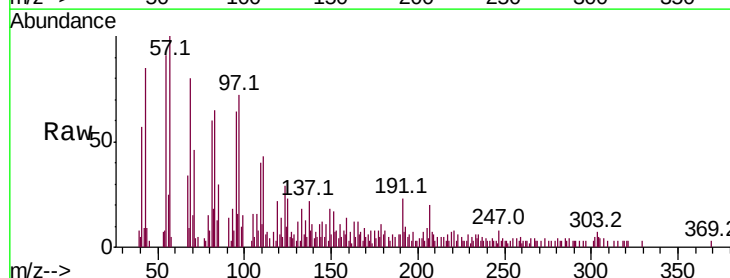
RT: 13.41 min Scan# 1925

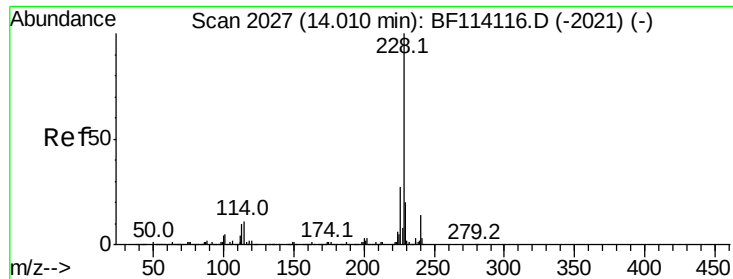
Delta R.T. -0.02 min

Lab File: BF114424.D

Acq: 19 May 2019 7:09

Tgt Ion:	149	Resp:	1046
Ion	Ratio	Lower	Upper
149	100		
91	80.0	55.0	82.4
206	20.4	16.9	25.3





#81

Benzo(a)anthracene

Concen: 6.232 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF114424.D

Acq: 19 May 2019 7:09

Instrument :

BNA_F

ClientSampled :

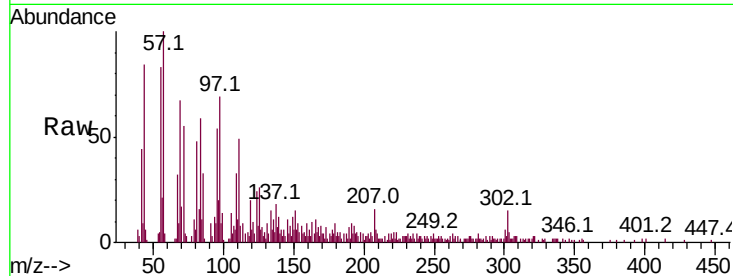
Tot Ion:228 Resp: 343

Ion Ratio Lower Upper

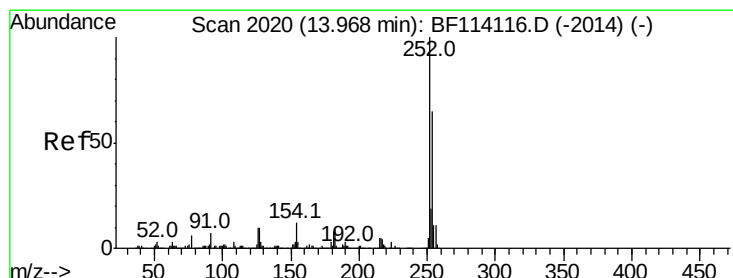
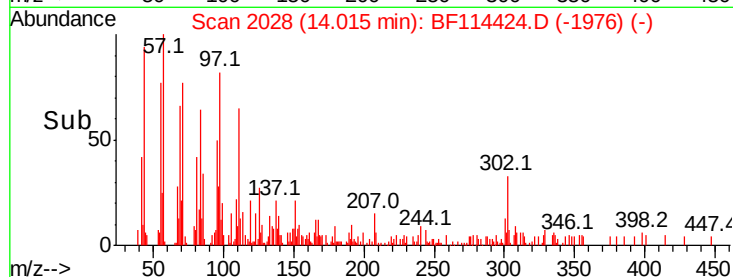
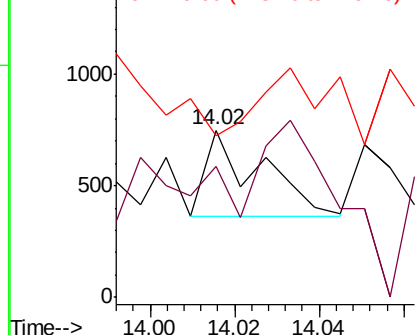
228 100

226 78.3 22.2 33.2#

229 96.3 16.4 24.6#



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



#82

3,3'-Dichlorobenzidine

Concen: 15.783 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.05 min

Lab File: BF114424.D

Acq: 19 May 2019 7:09

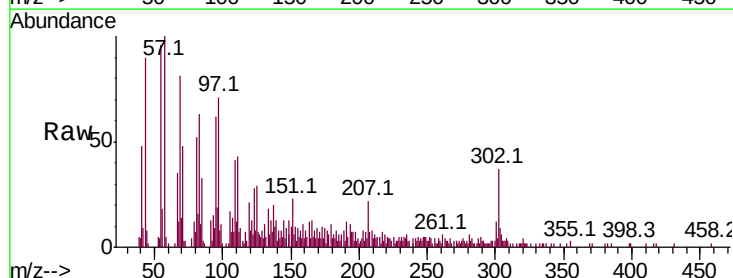
Tgt Ion:252 Resp: 337

Ion Ratio Lower Upper

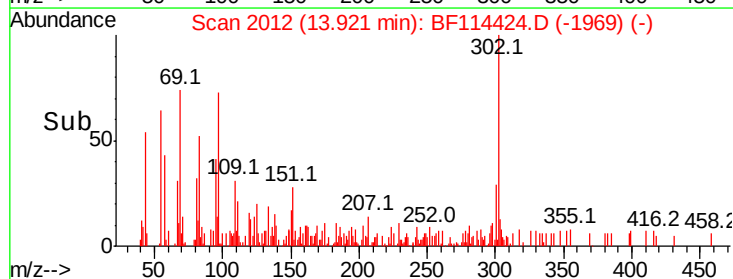
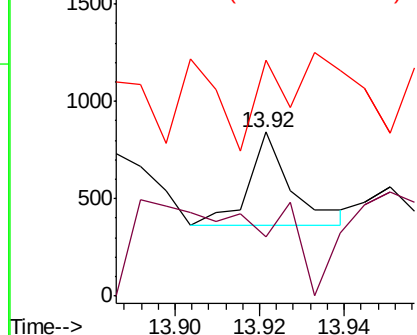
252 100

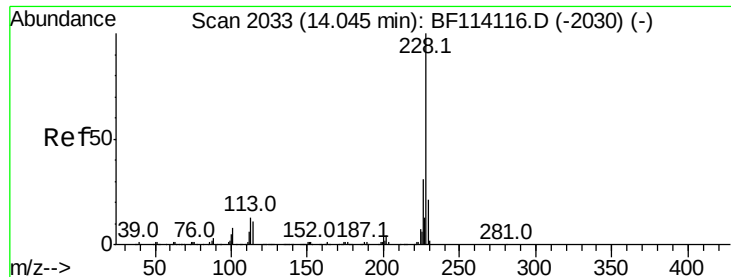
254 35.8 51.9 77.9#

126 143.8 7.9 11.9#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 4.244 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF114424.D

Acq: 19 May 2019 7:09

Instrument :

BNA_F

ClientSampleId :

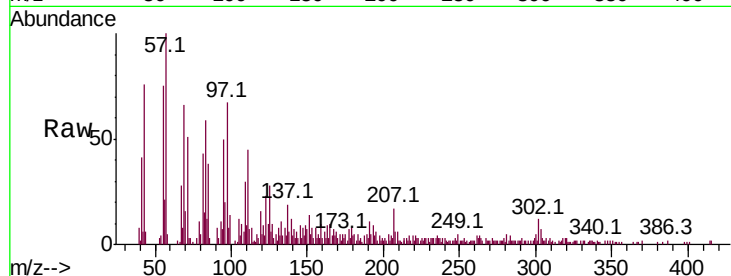
Tot Ion:228 Resp: 229

Ion Ratio Lower Upper

228 100

226 58.0 25.0 37.6#

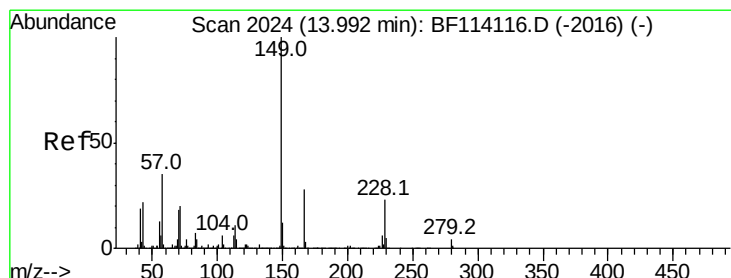
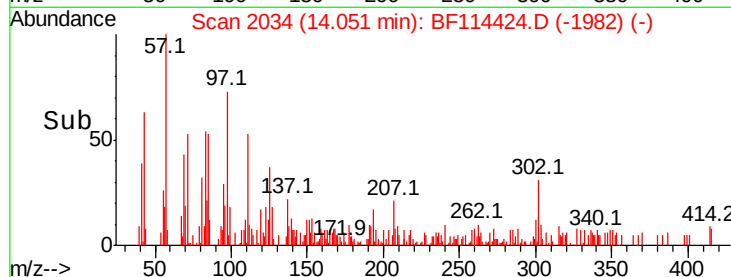
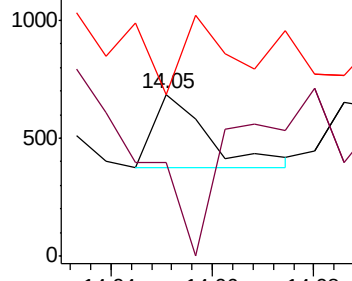
229 99.4 17.0 25.6#



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: 23.563 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF114424.D

Acq: 19 May 2019 7:09

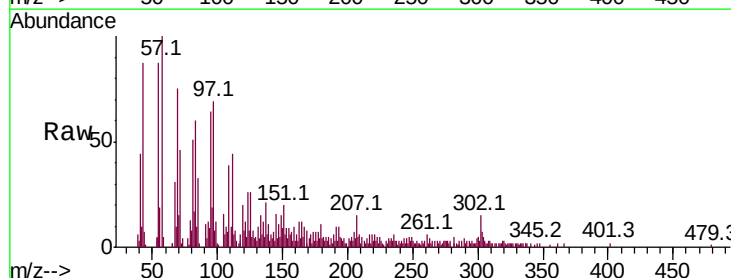
Tgt Ion:149 Resp: 888

Ion Ratio Lower Upper

149 100

167 67.1 22.6 33.8#

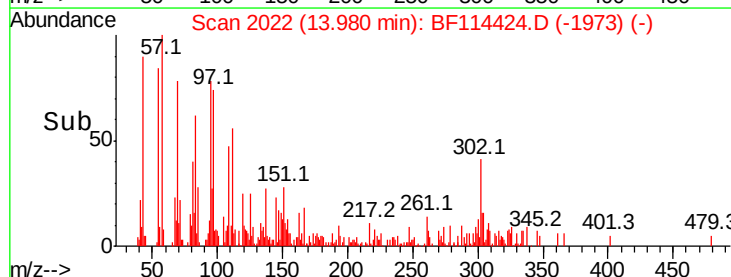
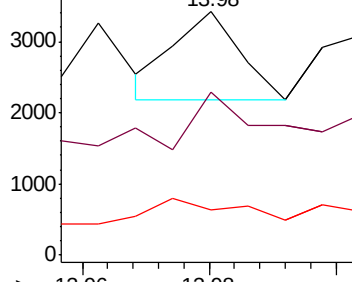
279 18.4 3.0 4.6#

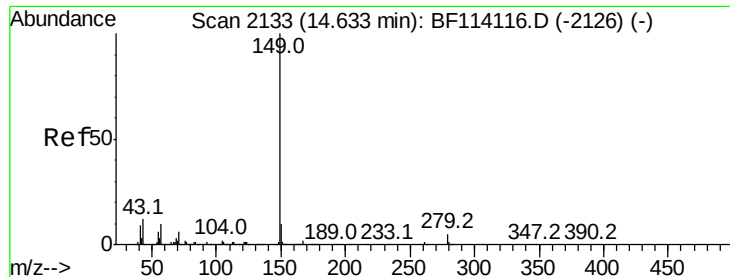


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

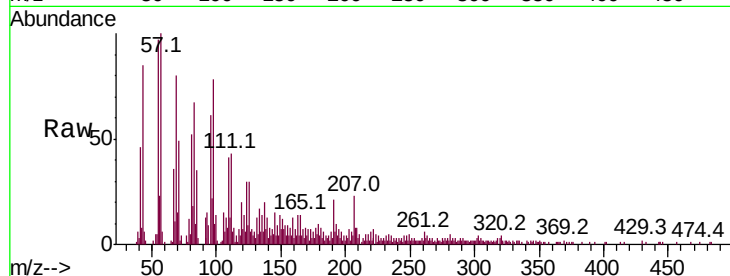




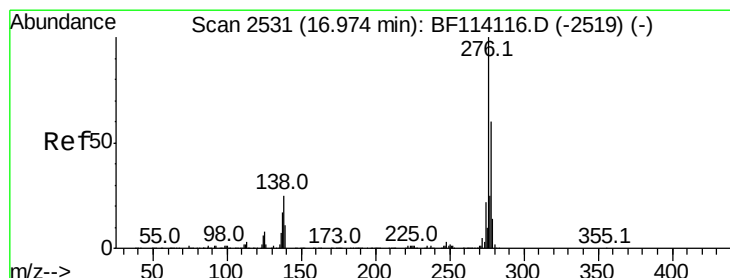
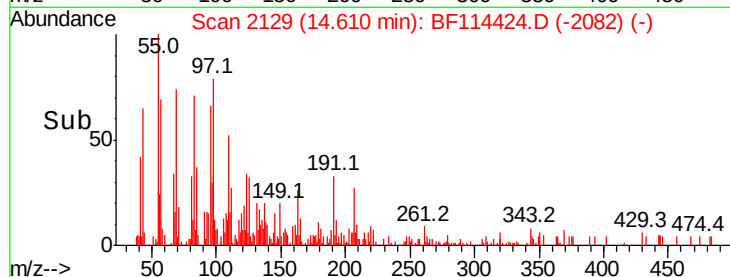
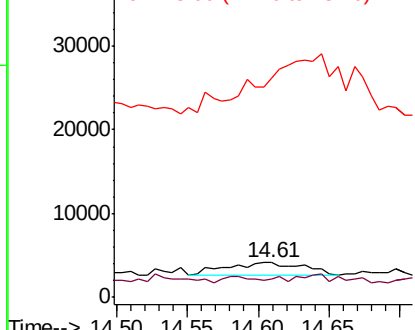
#85
Di-n-octyl phthalate
Concen: 97.591 ng
RT: 14.61 min Scan# 2129
Delta R.T. -0.02 min
Lab File: BF114424.D
Acq: 19 May 2019 7:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	6.0	1.3	1.9#
43	0.0	10.1	15.1#

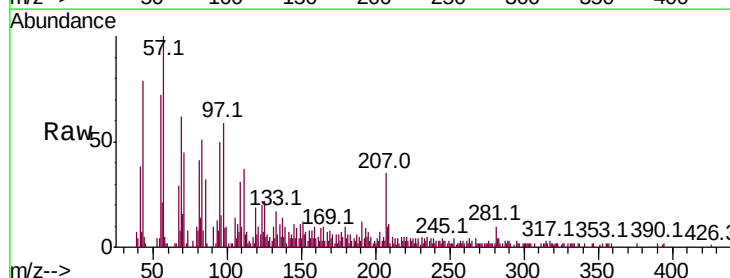


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

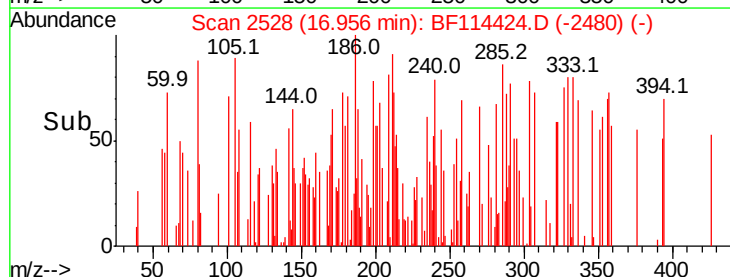
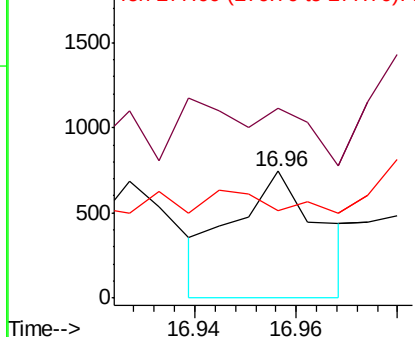


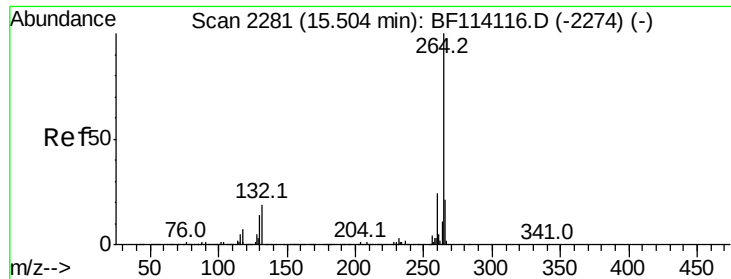
#86
Indeno(1,2,3-cd)pyrene
Concen: 18.643 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF114424.D
Acq: 19 May 2019 7:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	60.6	20.2	30.2#
277	17.3	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

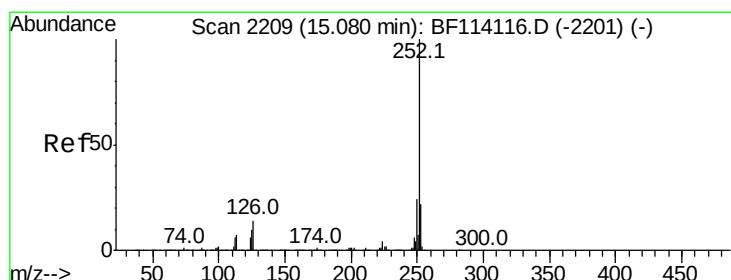
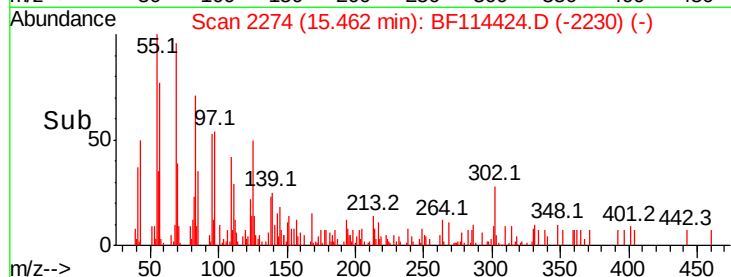
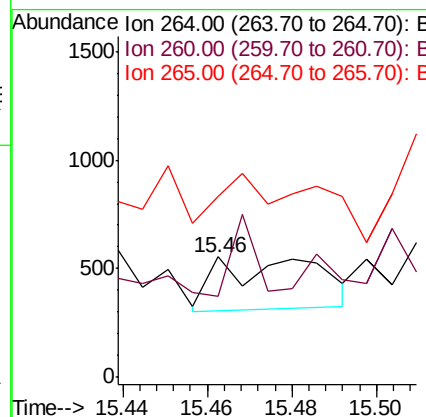
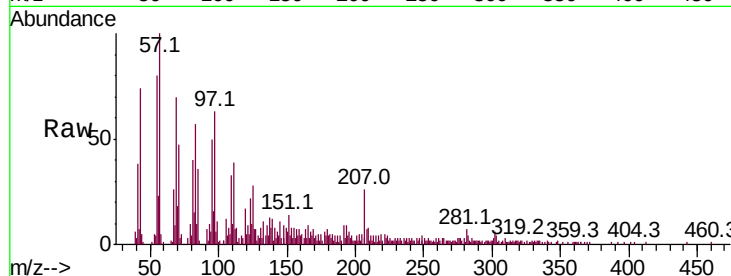




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.04 min
Lab File: BF114424.D
Acq: 19 May 2019 7:09

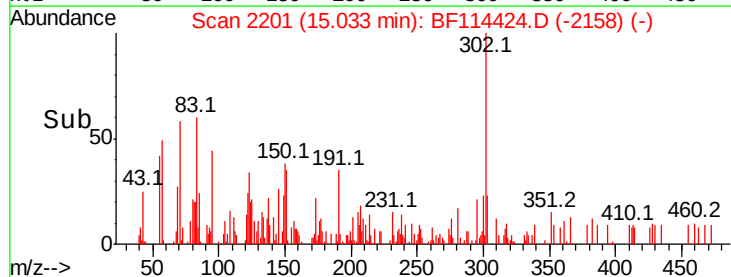
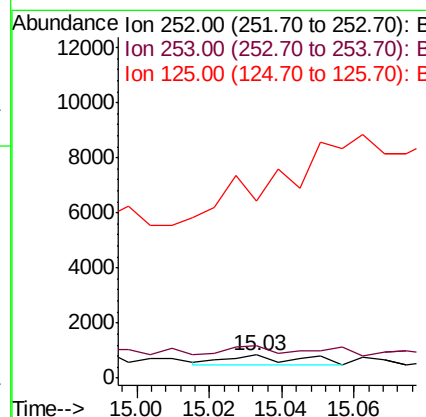
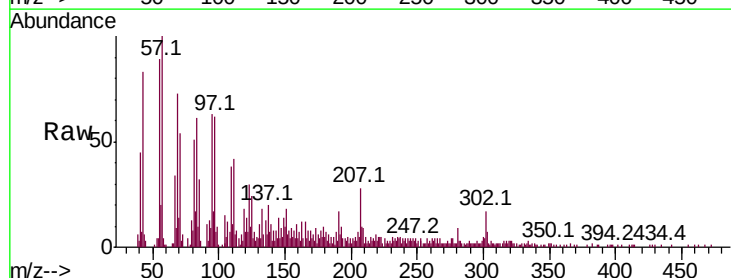
Instrument :
BNA_F
ClientSampled :

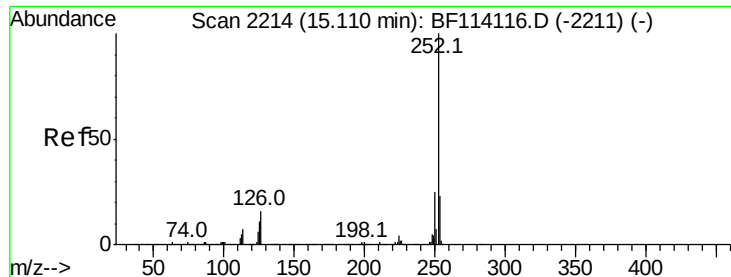
Tot Ion	Ratio	Lower	Upper
264	100		
260	67.2	19.4	29.0#
265	149.7	16.9	25.3#



#88
Benzo(b)fluoranthene
Concen: 21.184 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.05 min
Lab File: BF114424.D
Acq: 19 May 2019 7:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	141.7	17.8	26.8#
125	761.3	8.3	12.5#

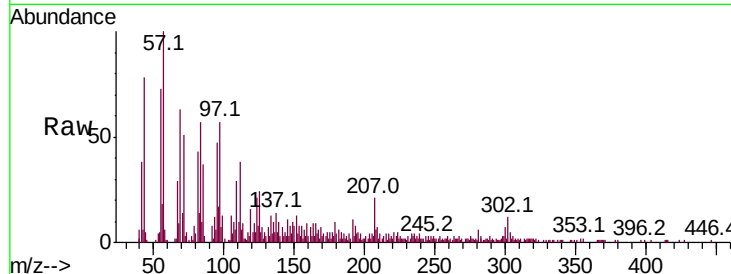




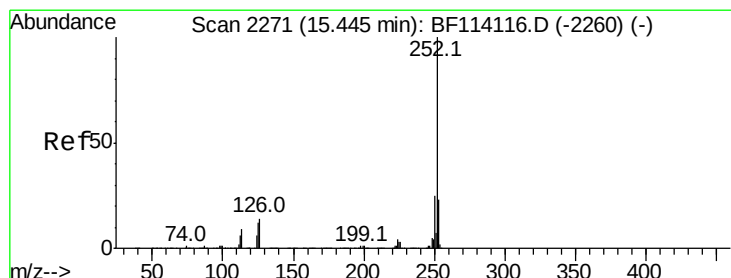
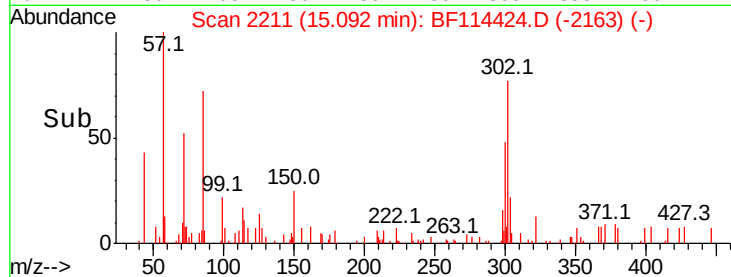
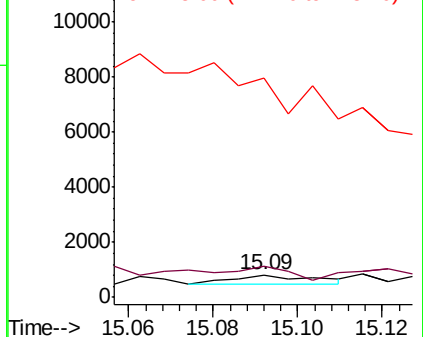
#89
Benzo(k)fluoranthene
Concen: 21.153 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF114424.D
Acq: 19 May 2019 7:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 488
Ion Ratio Lower Upper
252 100
253 139.9 18.2 27.2#
125 980.2 8.6 13.0#

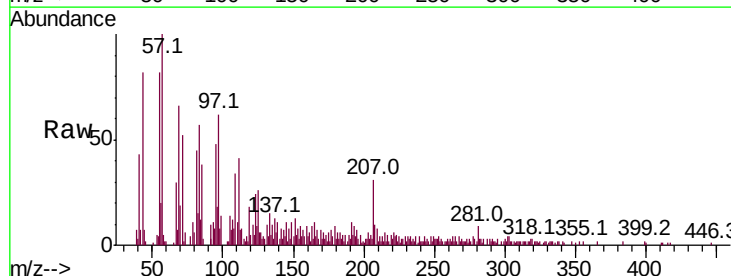


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

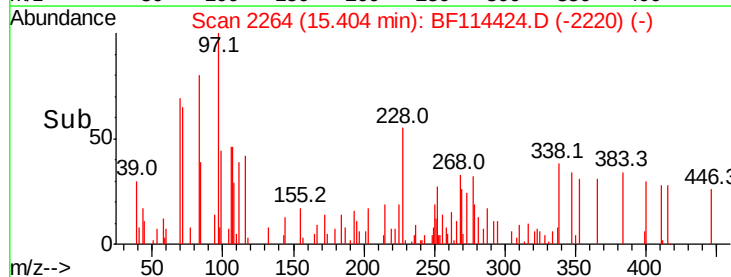
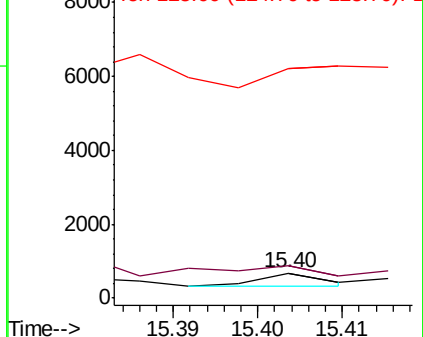


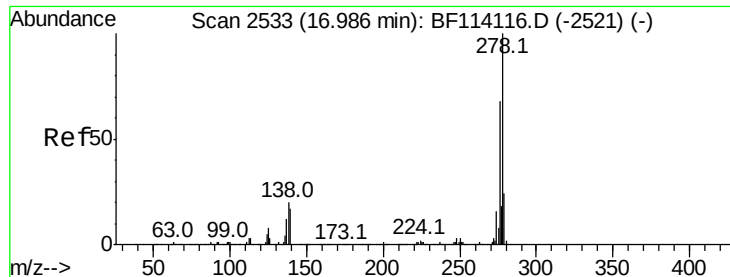
#90
Benzo(a)pyrene
Concen: 9.366 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.04 min
Lab File: BF114424.D
Acq: 19 May 2019 7:09

Tgt Ion:252 Resp: 207
Ion Ratio Lower Upper
252 100
253 126.7 18.1 27.1#
125 904.8 9.5 14.3#



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





#91

Dibenzo(a,h)anthracene

Concen: 53.850 ng

RT: 16.92 min Scan# 2522

Delta R.T. -0.06 min

Lab File: BF114424.D

Acq: 19 May 2019 7:09

Instrument :

BNA_F

ClientSampled :

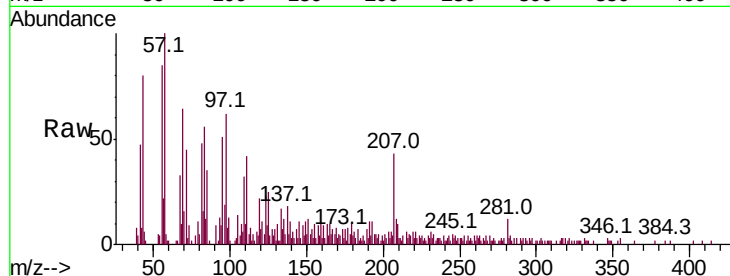
Tot Ion:278 Resp: 989

Ion Ratio Lower Upper

278 100

139 446.9 13.5 20.3#

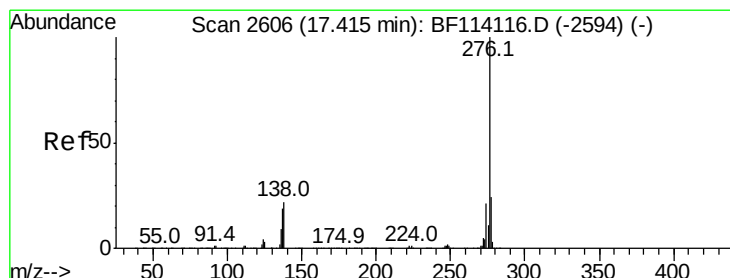
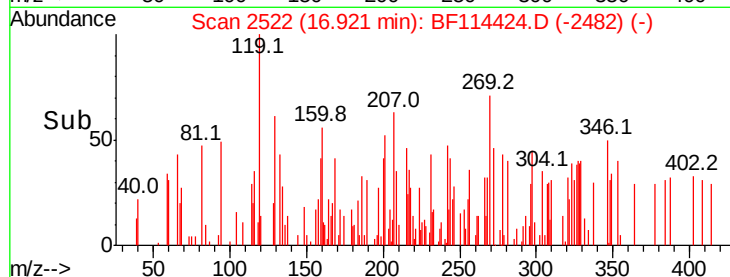
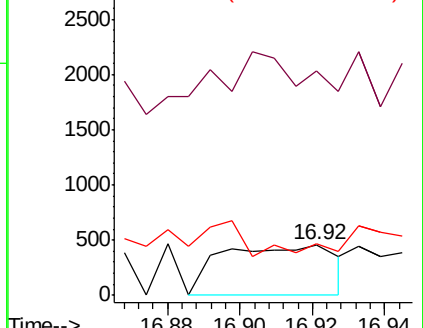
279 103.1 19.0 28.6#



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



#92

Benzo(g,h,i)perylene

Concen: 31.295 ng

RT: 17.36 min Scan# 2597

Delta R.T. -0.05 min

Lab File: BF114424.D

Acq: 19 May 2019 7:09

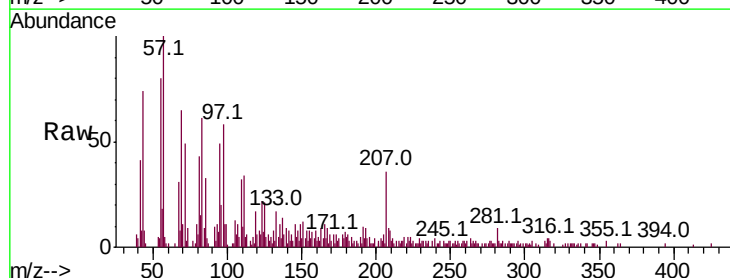
Tgt Ion:276 Resp: 576

Ion Ratio Lower Upper

276 100

277 120.0 19.0 28.4#

138 223.8 17.8 26.6#



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

