

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032819\
 Data File : BF113373.D
 Acq On : 28 Mar 2019 14:42
 Operator : JU/SJ
 Sample : K1950-03 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 15:08:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	166880	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	596985	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	251841	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	482653	20.00	ng	0.00
76) Chrysene-d12	13.84	240	394660	20.00	ng	0.00
87) Perylene-d12	15.25	264	296306	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	202041	19.80	ng	0.00
7) Phenol-d6	6.35	99	345156	26.73	ng	-0.01
23) Nitrobenzene-d5	7.26	82	183116	18.21	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	31043	9.98	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	389029	8.30	ng	0.00
79) Terphenyl-d14	12.79	244	399191	22.29	ng	0.00

Target Compounds

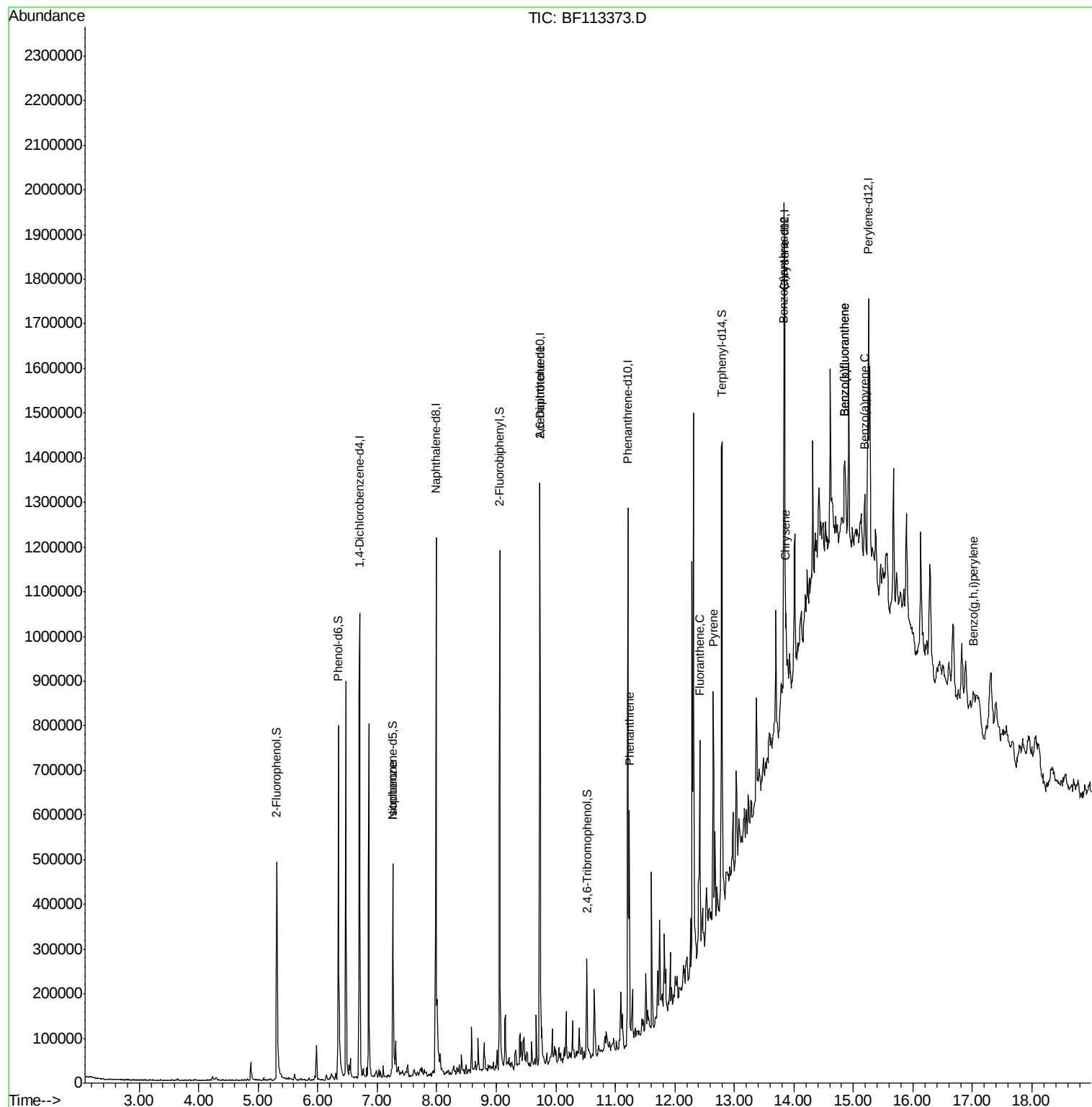
						Qvalue
25) Isophorone	7.26	82	176671	9.064	ng	# 64
51) 2,6-Dinitrotoluene	9.73	165	33468	7.949	ng	# 26
71) Phenanthrene	11.23	178	191355	7.984	ng	99
75) Fluoranthene	12.42	202	215105	7.939	ng	98
78) Pyrene	12.64	202	209009	7.642	ng	98
81) Benzo(a)anthracene	13.83	228	81747	3.619	ng	# 90
83) Chrysene	13.86	228	86440	3.767	ng	# 93
88) Benzo(b)fluoranthene	14.85	252	88532	4.810	ng	# 69
89) Benzo(k)fluoranthene	14.85	252	88379	5.468	ng	# 68
90) Benzo(a)pyrene	15.19	252	49473	3.032	ng	# 71
92) Benzo(g,h,i)perylene	17.02	276	29746	2.091	ng	# 72

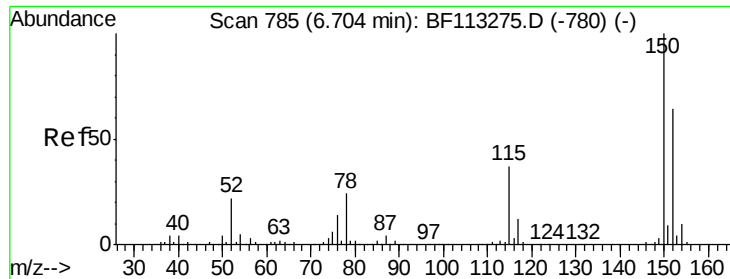
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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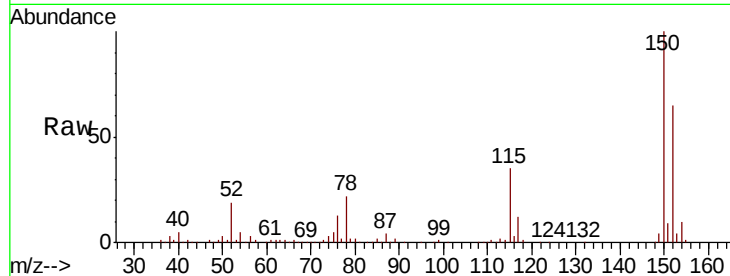


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF113373.D
Acq: 28 Mar 2019 14:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.7	187.1
115	54.6	46.0	69.0

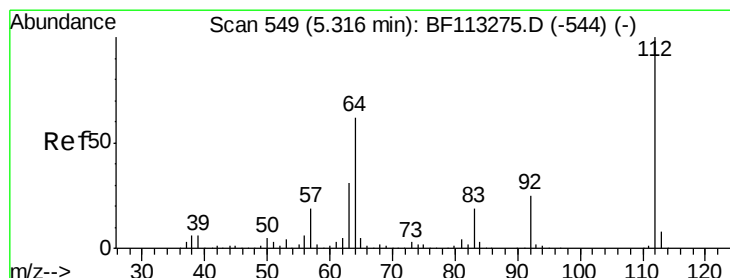
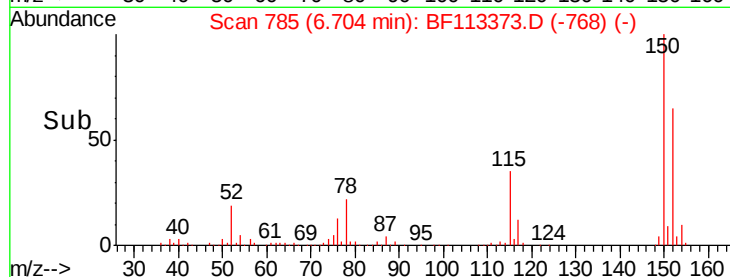
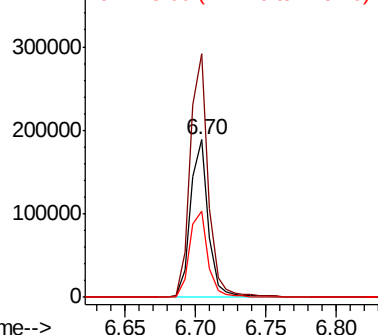


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

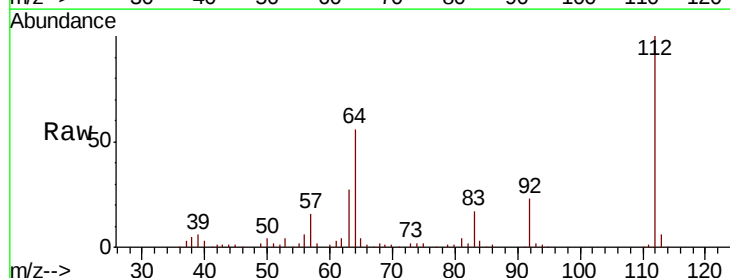
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 19.796 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF113373.D
Acq: 28 Mar 2019 14:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	49.2	73.8
63	26.8	24.9	37.3

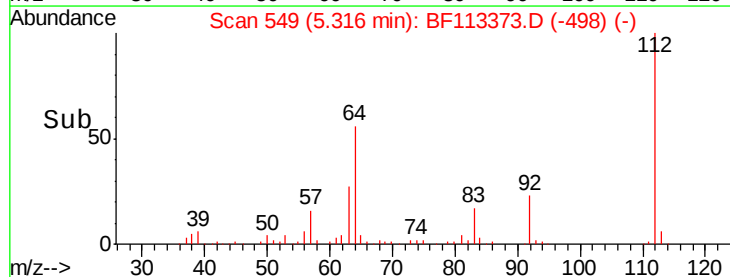
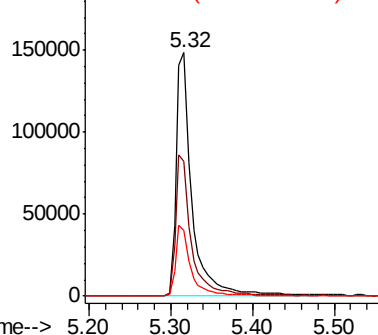


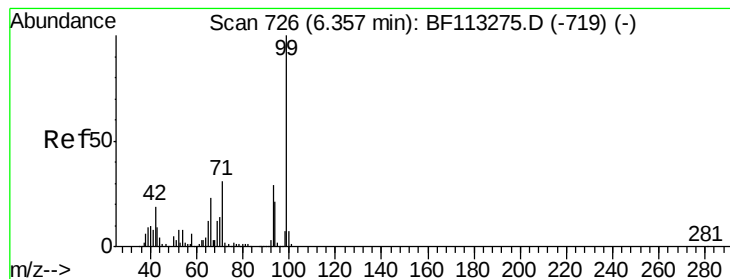
Abundance

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: 26.733 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113373.D

Acq: 28 Mar 2019 14:42

Instrument :

BNA_F

ClientSampleId :

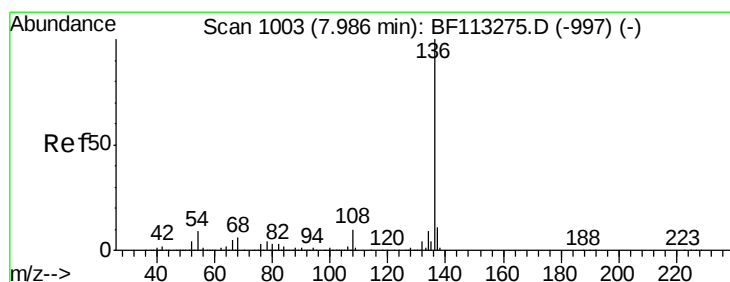
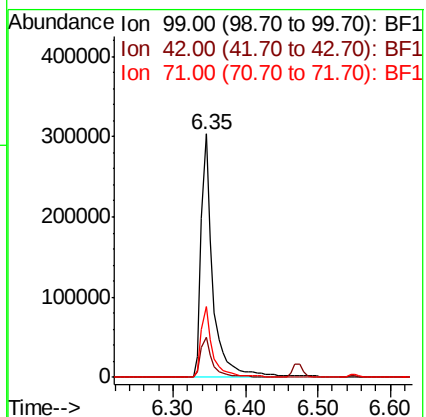
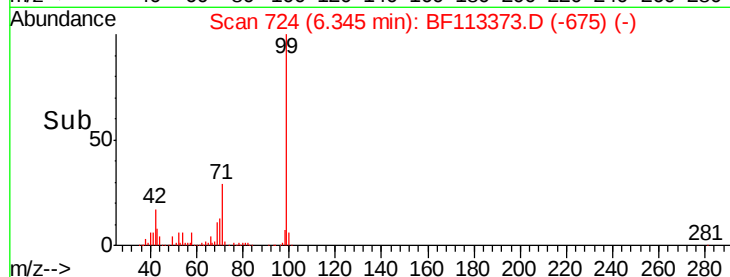
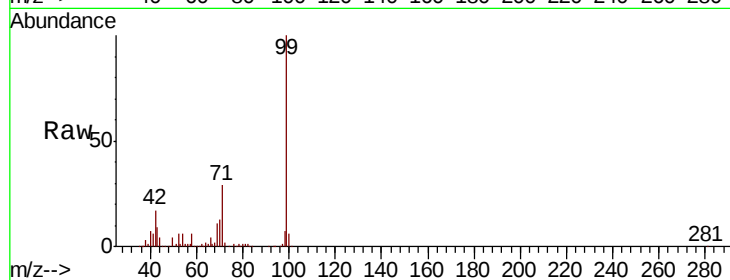
Tot Ion: 99 Resp: 345156

Ion Ratio Lower Upper

99 100

42 16.7 14.8 22.2

71 29.3 24.9 37.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113373.D

Acq: 28 Mar 2019 14:42

Tgt Ion: 136 Resp: 596985

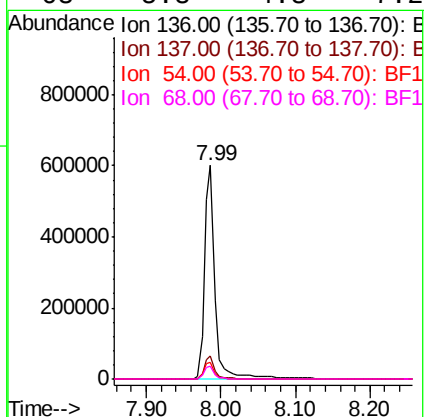
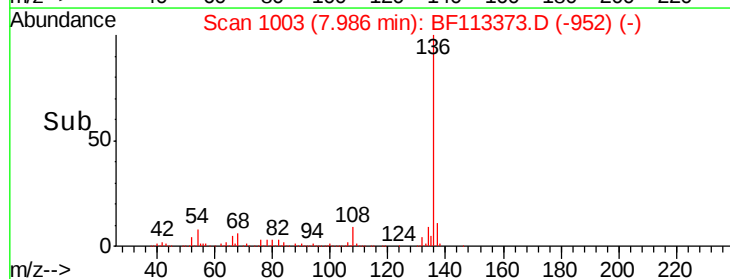
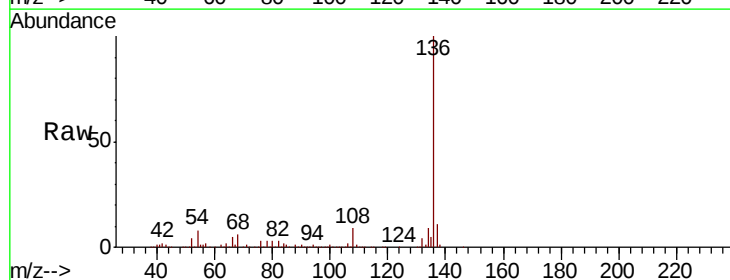
Ion Ratio Lower Upper

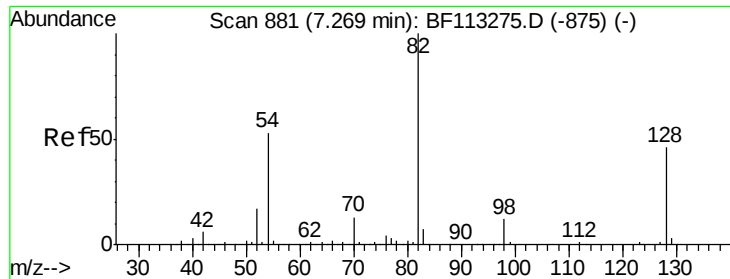
136 100

137 10.9 8.9 13.3

54 7.8 7.0 10.6

68 5.8 4.8 7.2

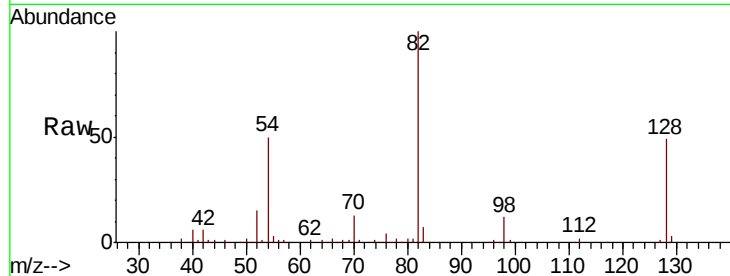




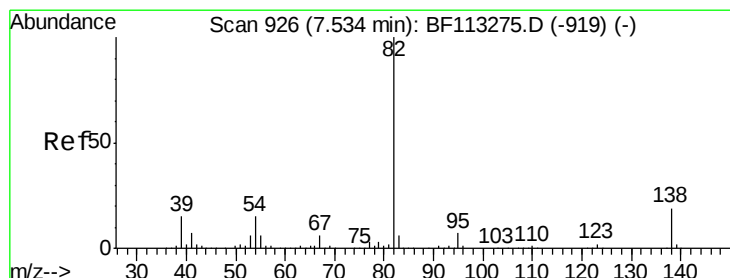
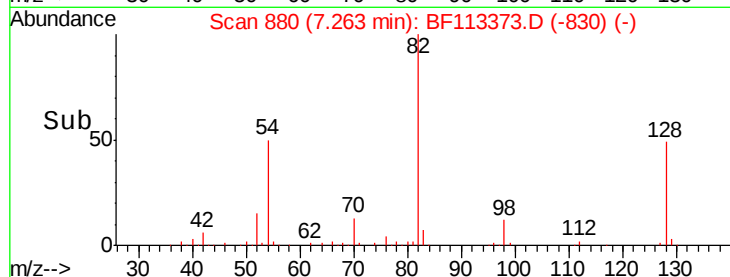
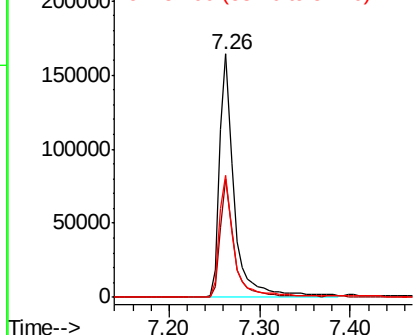
#23
Nitrobenzene-d5
Concen: 18.206 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF113373.D
Acq: 28 Mar 2019 14:42

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 183116
Ion Ratio Lower Upper
82 100
128 48.6 36.5 54.7
54 50.3 42.2 63.2

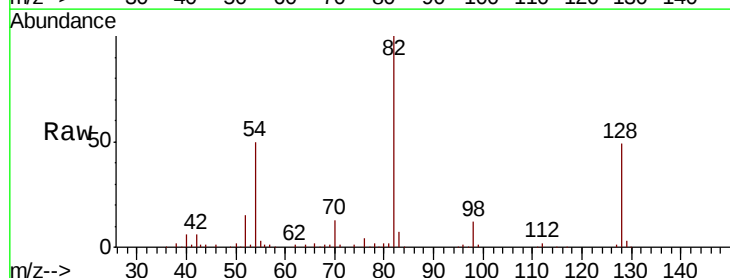


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

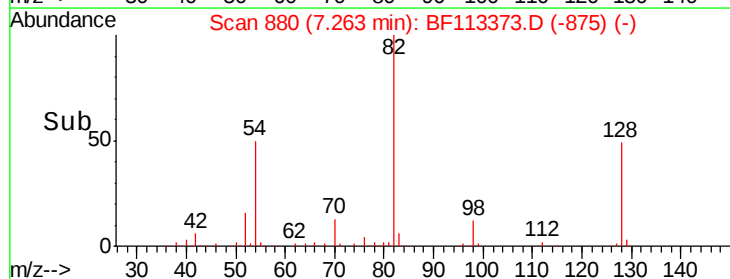
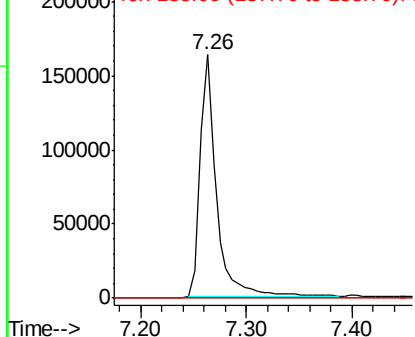


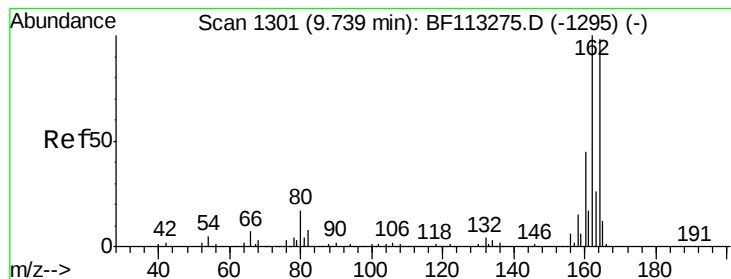
#25
Isophorone
Concen: 9.064 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.27 min
Lab File: BF113373.D
Acq: 28 Mar 2019 14:42

Tgt Ion: 82 Resp: 176671
Ion Ratio Lower Upper
82 100
95 0.3 5.5 8.3#
138 0.0 15.2 22.8#



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: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113373.D

Acq: 28 Mar 2019 14:42

Instrument :

BNA_F

ClientSampleId :

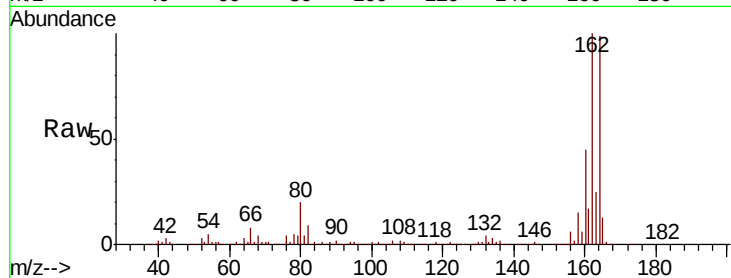
Tot Ion:164 Resp: 251841

Ion Ratio Lower Upper

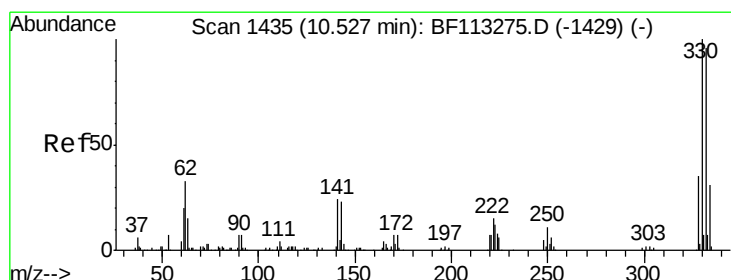
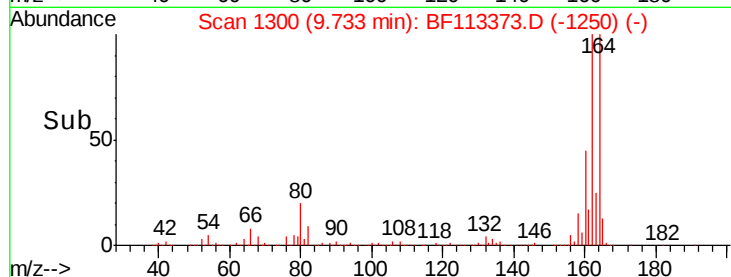
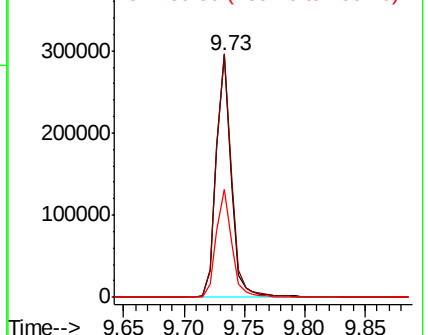
164 100

162 100.6 81.8 122.6

160 44.8 36.4 54.6



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: 9.979 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113373.D

Acq: 28 Mar 2019 14:42

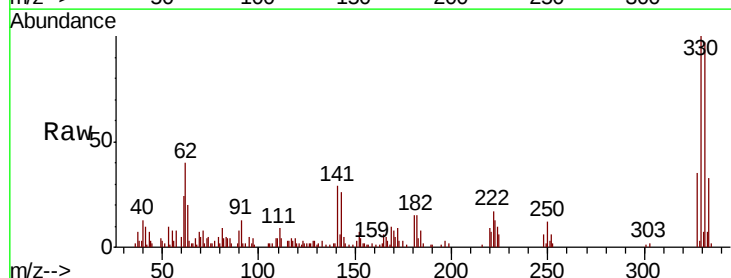
Tgt Ion:330 Resp: 31043

Ion Ratio Lower Upper

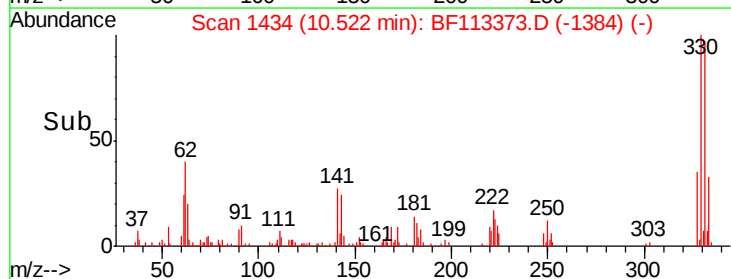
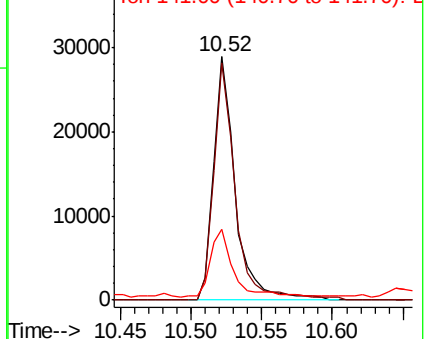
330 100

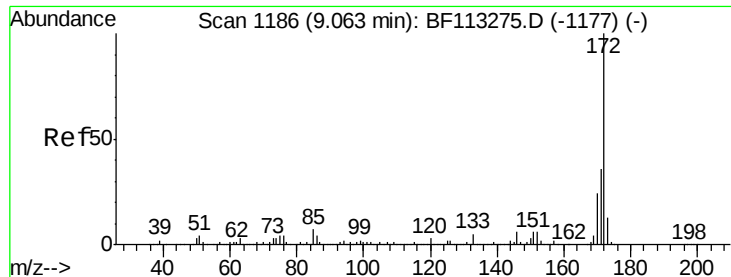
332 97.0 77.8 116.6

141 31.1 22.7 34.1



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

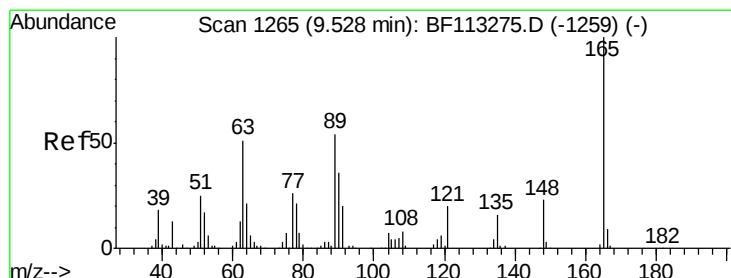
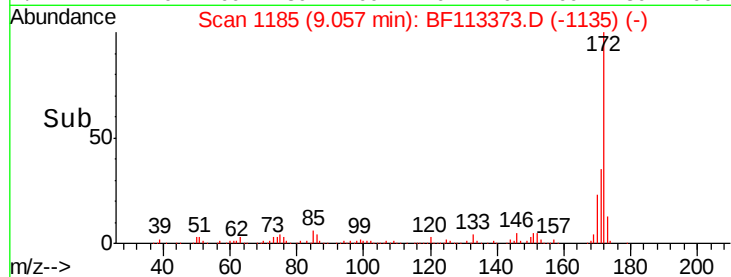
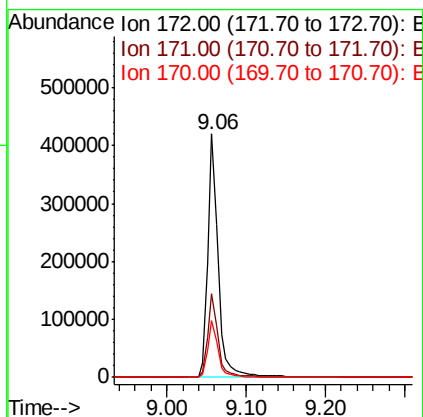
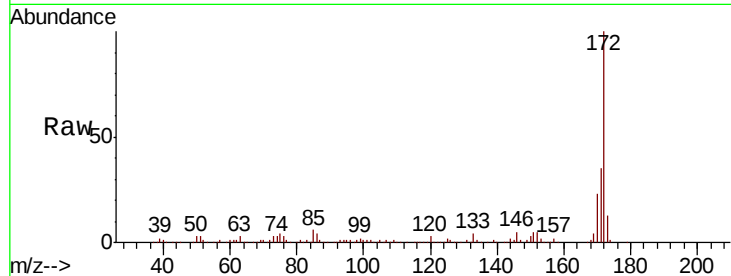




#45
2-Fluorobiphenyl
Concen: 8.296 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF113373.D
Acq: 28 Mar 2019 14:42

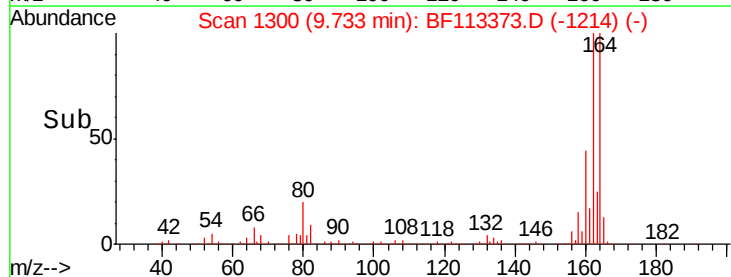
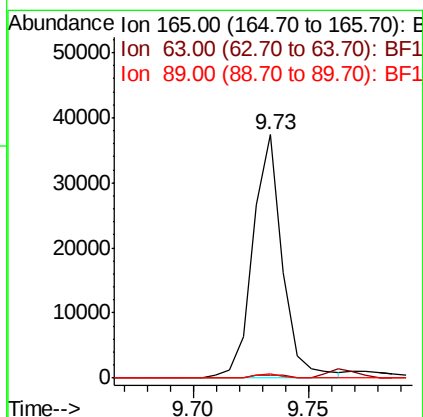
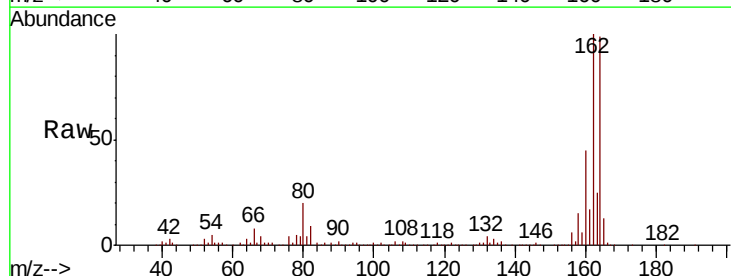
Instrument :
BNA_F
ClientSampleId :

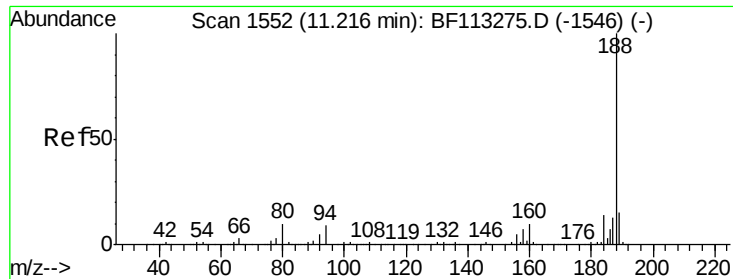
Tot Ion:172 Resp: 389029
Ion Ratio Lower Upper
172 100
171 34.6 29.0 43.6
170 23.5 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 7.949 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.21 min
Lab File: BF113373.D
Acq: 28 Mar 2019 14:42

Tgt Ion:165 Resp: 33468
Ion Ratio Lower Upper
165 100
63 1.2 43.4 65.0#
89 1.5 43.1 64.7#

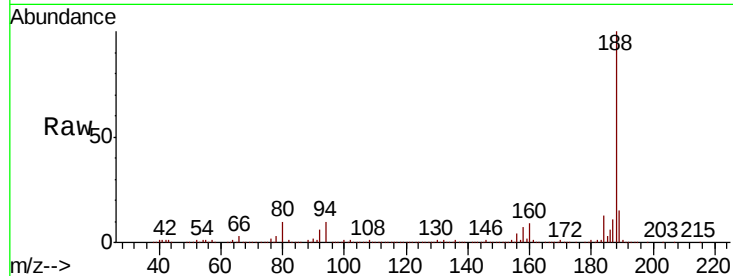




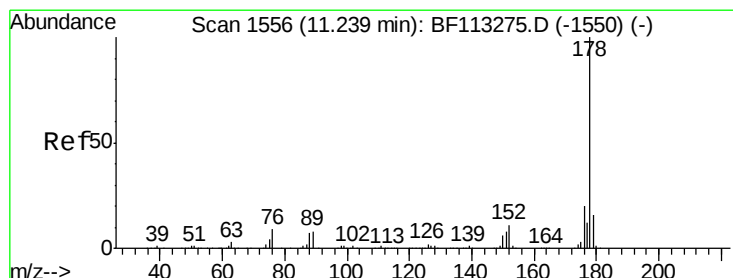
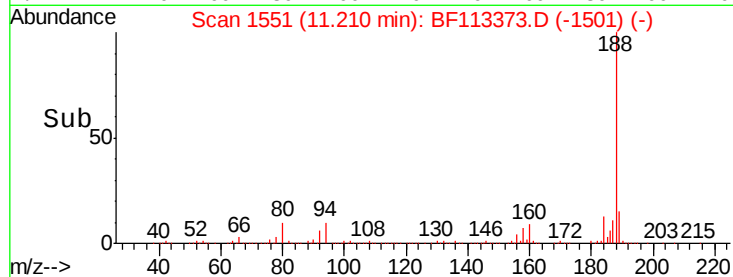
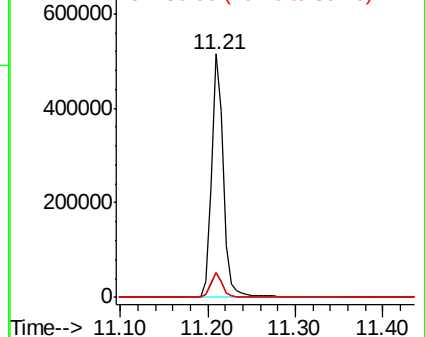
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113373.D
Acq: 28 Mar 2019 14:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 482653
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.6
80 10.1 7.7 11.5

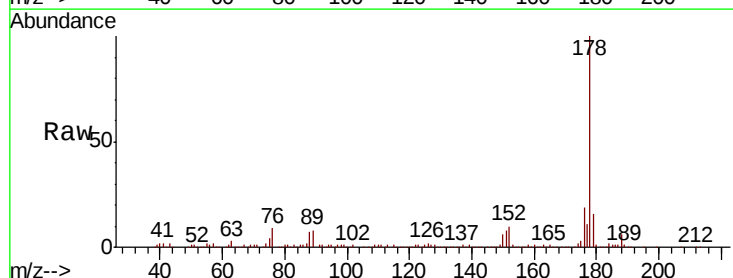


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

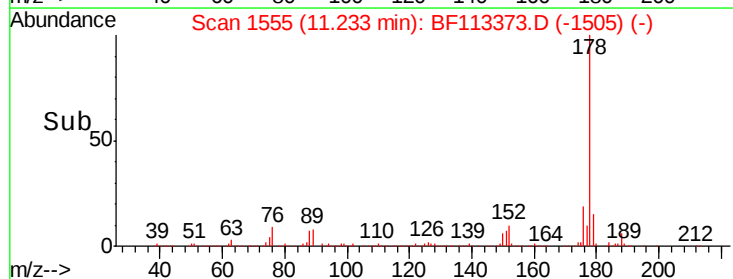
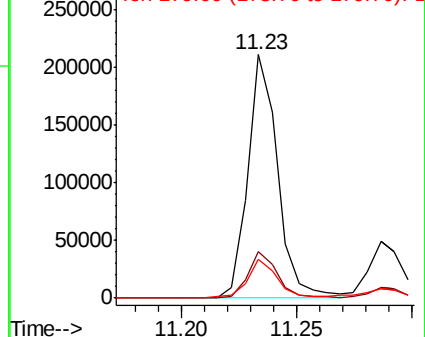


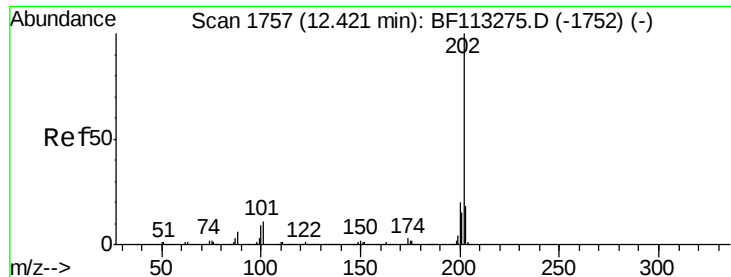
#71
Phenanthrene
Concen: 7.984 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113373.D
Acq: 28 Mar 2019 14:42

Tgt Ion:178 Resp: 191355
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 15.8 12.7 19.1



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: 7.939 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.00 min

Lab File: BF113373.D

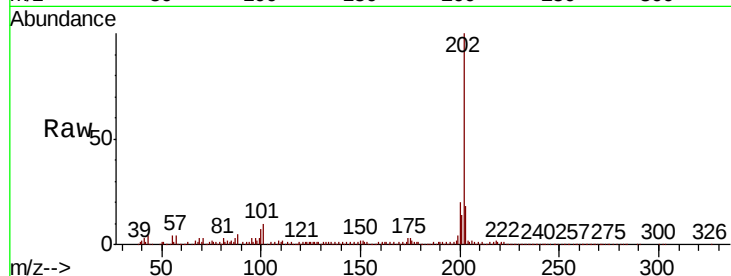
Acq: 28 Mar 2019 14:42

Instrument :

BNA_F

ClientSampleId :

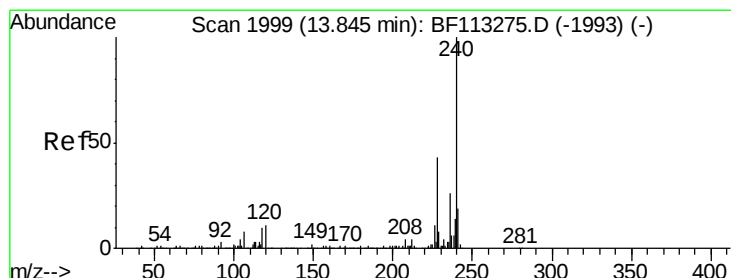
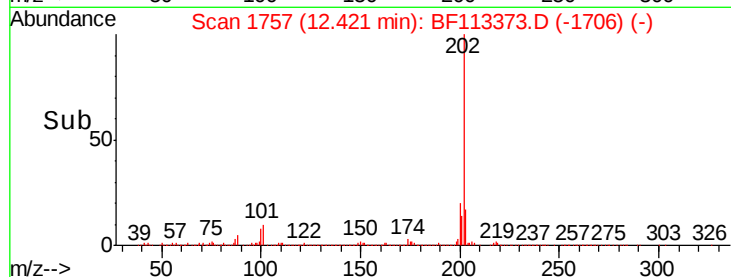
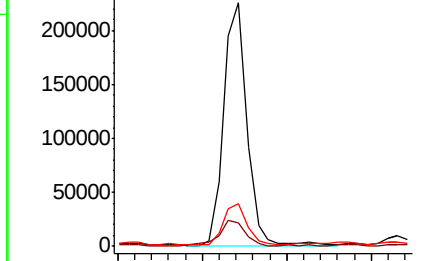
Tot Ion:	202	Resp:	215105
Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	31.4
203	17.6	0.0	38.0



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

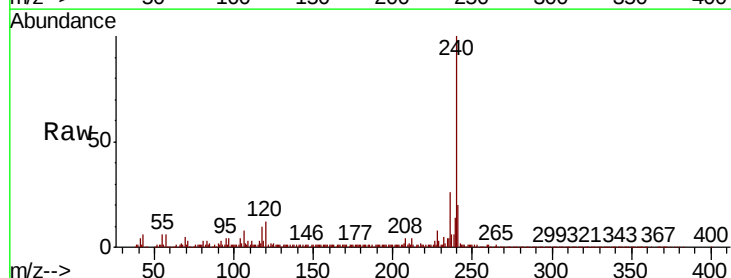
RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF113373.D

Acq: 28 Mar 2019 14:42

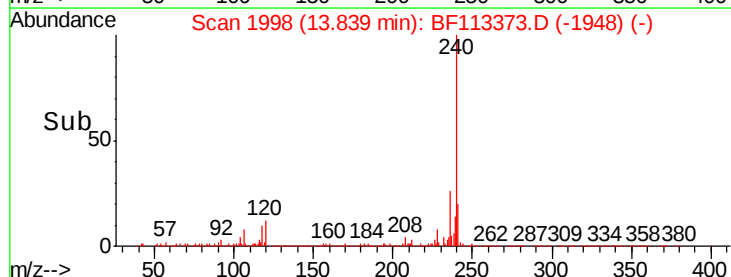
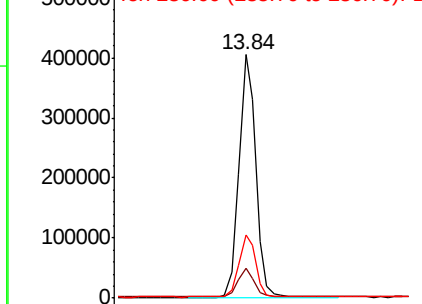
Tgt Ion:	240	Resp:	394660
Ion	Ratio	Lower	Upper
240	100		
120	12.1	8.8	13.2
236	26.0	20.9	31.3

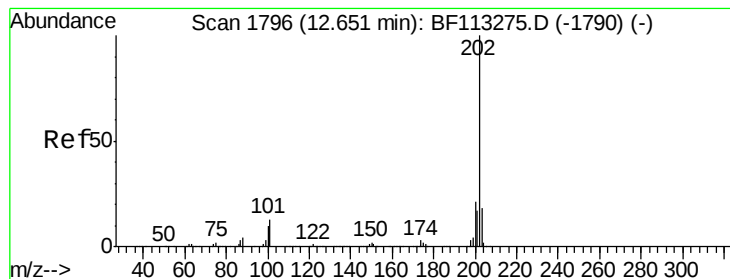


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 7.642 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF113373.D

Acq: 28 Mar 2019 14:42

Instrument :

BNA_F

ClientSampleId :

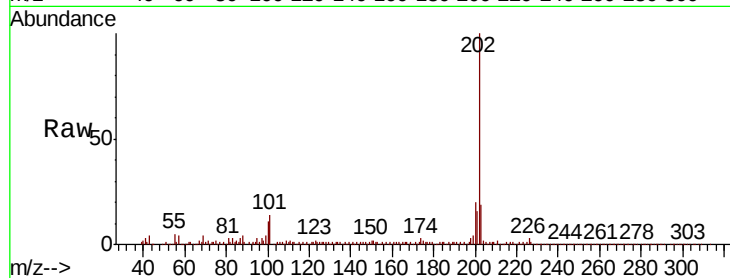
Tot Ion:202 Resp: 209009

Ion Ratio Lower Upper

202 100

200 20.0 16.8 25.2

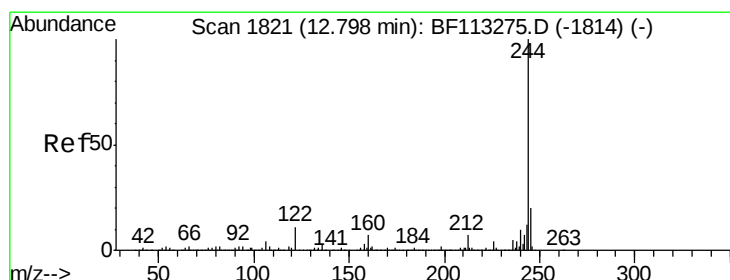
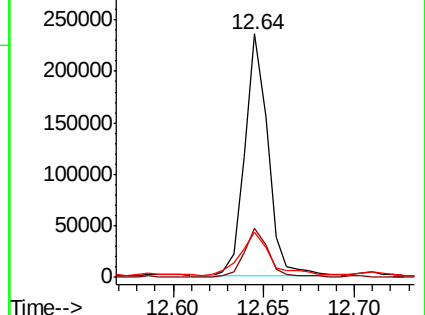
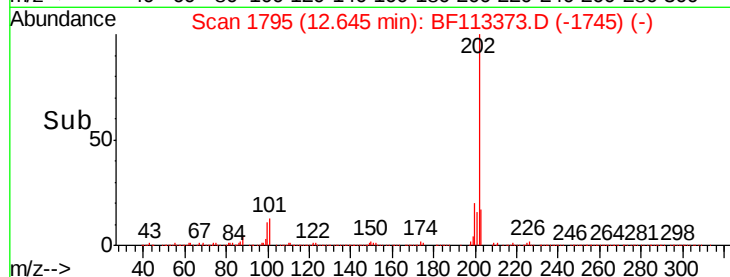
203 18.6 14.4 21.6



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: 22.295 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF113373.D

Acq: 28 Mar 2019 14:42

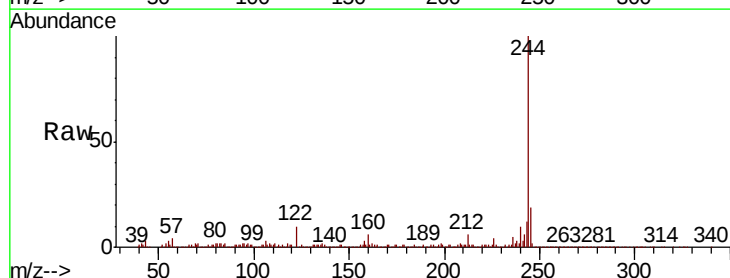
Tgt Ion:244 Resp: 399191

Ion Ratio Lower Upper

244 100

212 6.0 5.5 8.3

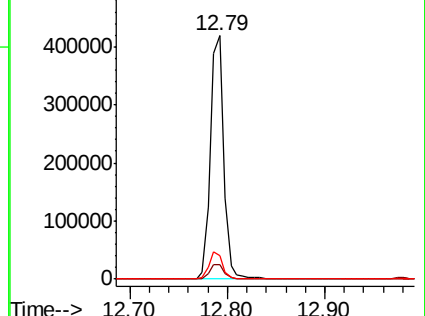
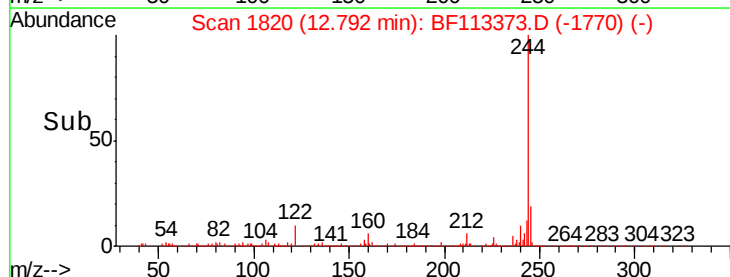
122 9.8 8.6 13.0

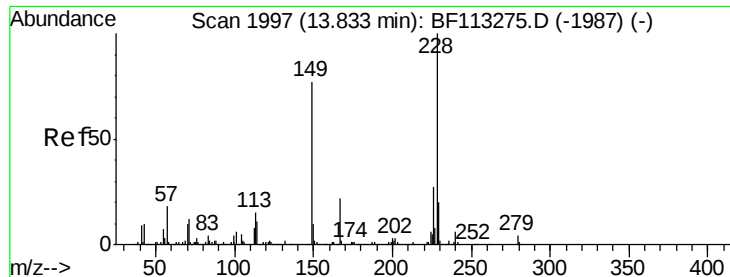


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.619 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF113373.D

Acq: 28 Mar 2019 14:42

Instrument :

BNA_F

ClientSampleId :

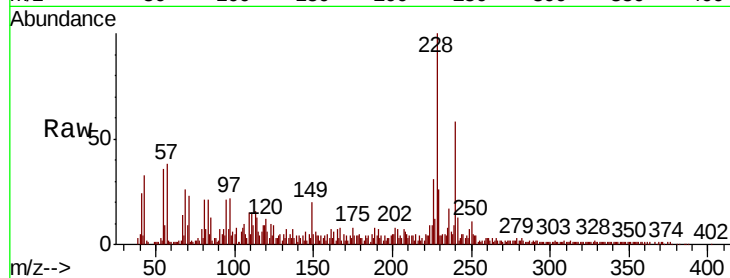
Tot Ion:228 Resp: 81747

Ion Ratio Lower Upper

228 100

226 31.3 21.8 32.8

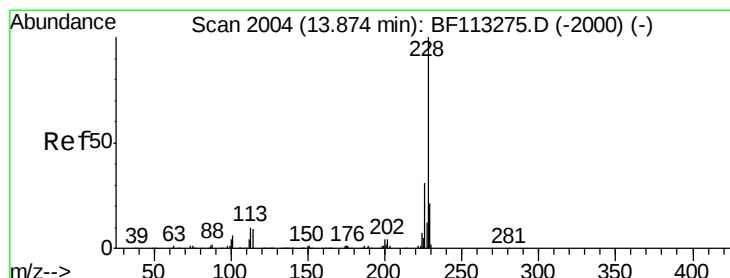
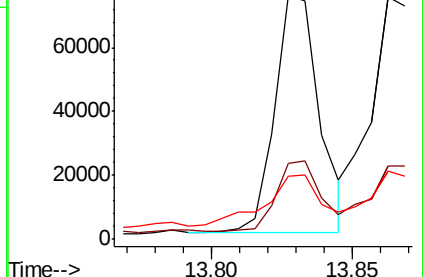
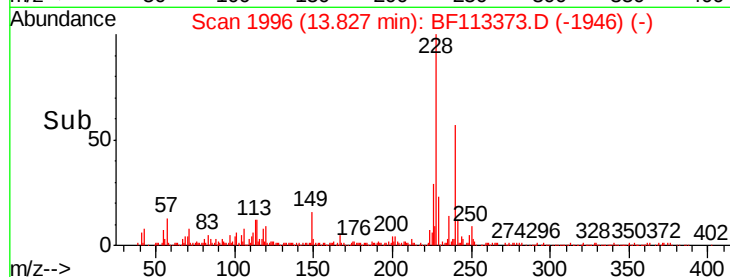
229 25.8 16.2 24.4#



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



#83

Chrysene

Concen: 3.767 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113373.D

Acq: 28 Mar 2019 14:42

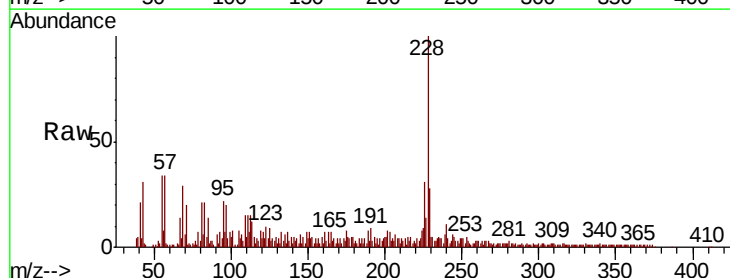
Tgt Ion:228 Resp: 86440

Ion Ratio Lower Upper

228 100

226 30.6 24.3 36.5

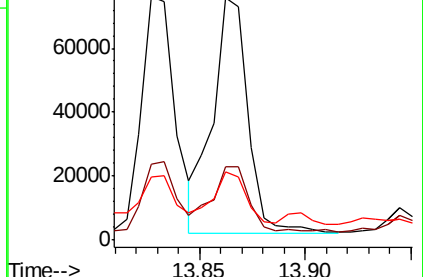
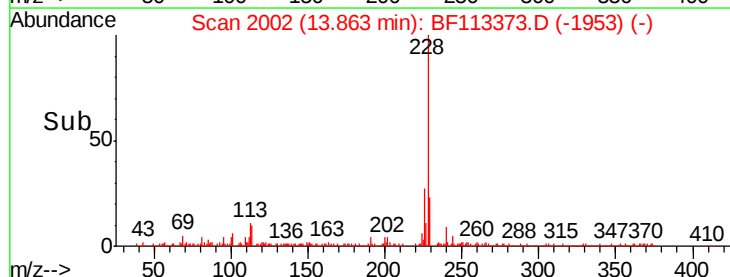
229 28.0 16.3 24.5#

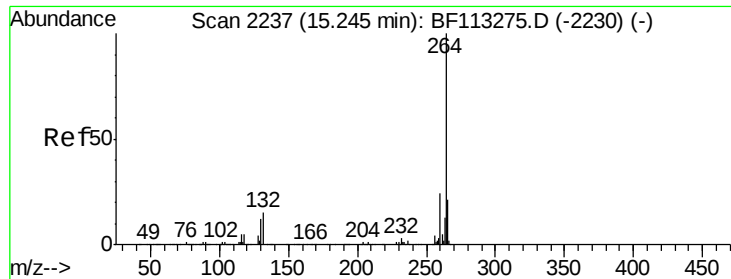


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF113373.D

Acq: 28 Mar 2019 14:42

Instrument :

BNA_F

ClientSampleId :

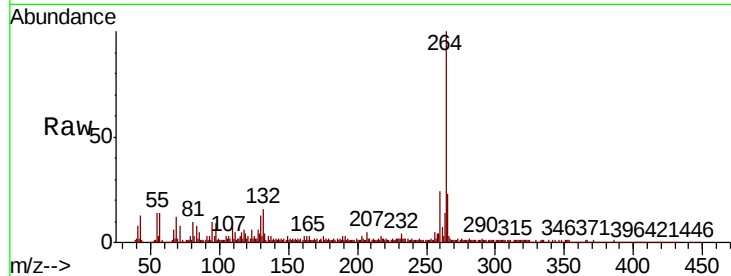
Tot Ion:264 Resp: 296306

Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

265 23.1 17.1 25.7

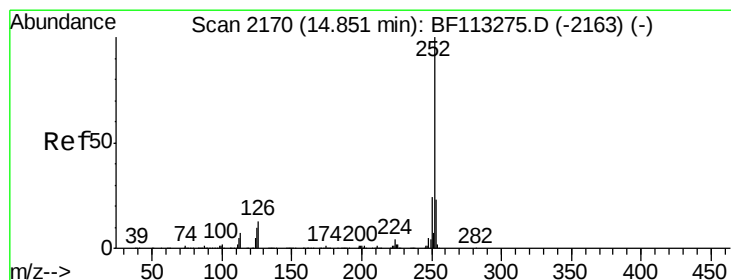
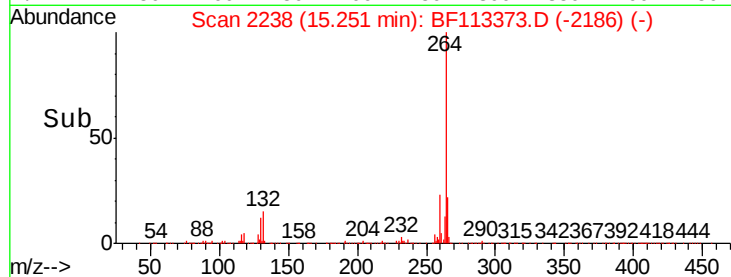
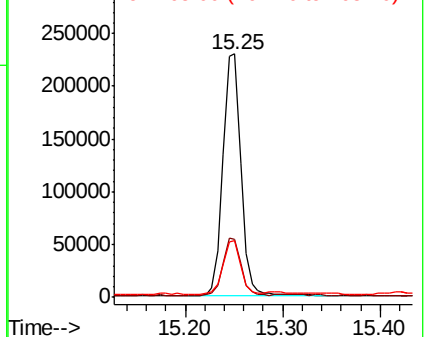


Abundance

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: 4.810 ng

RT: 14.85 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BF113373.D

Acq: 28 Mar 2019 14:42

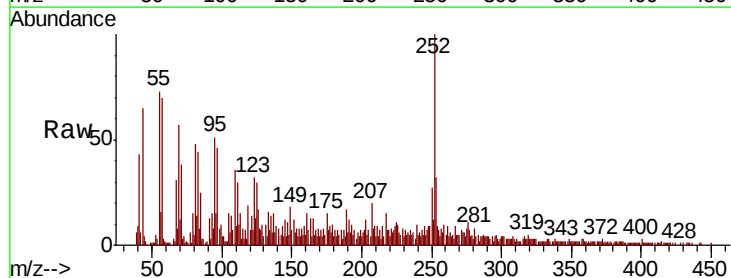
Tgt Ion:252 Resp: 88532

Ion Ratio Lower Upper

252 100

253 32.3 18.0 27.0#

125 30.0 7.6 11.4#

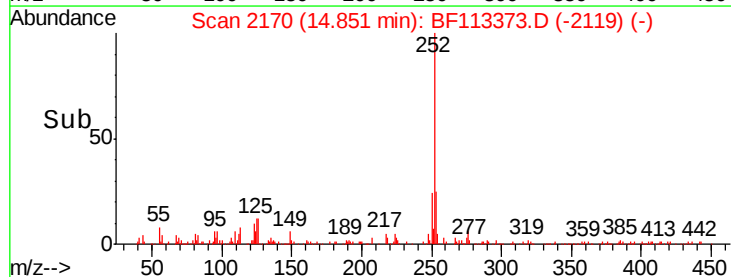
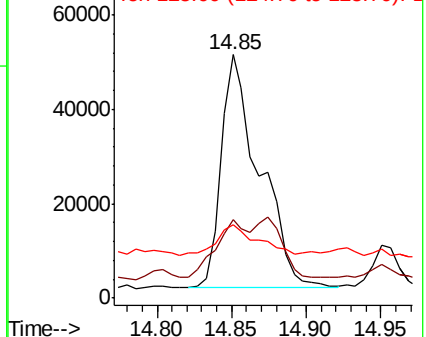


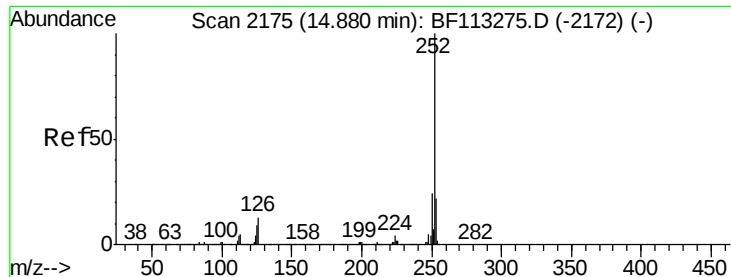
Abundance

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

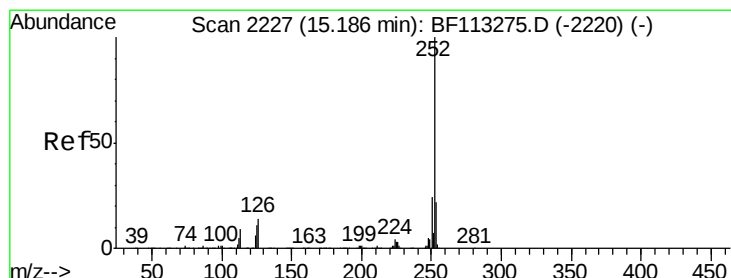
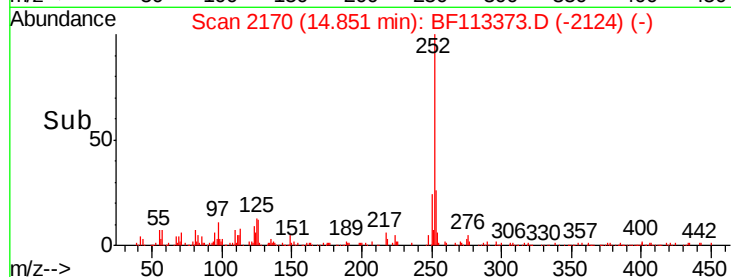
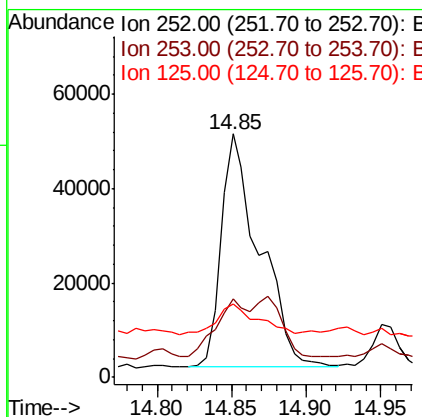
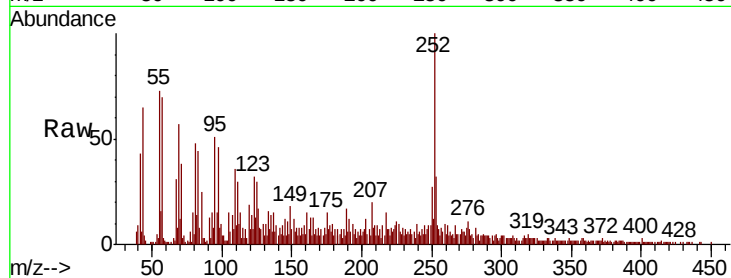




#89
Benzo(k)fluoranthene
Concen: 5.468 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF113373.D
Acq: 28 Mar 2019 14:42

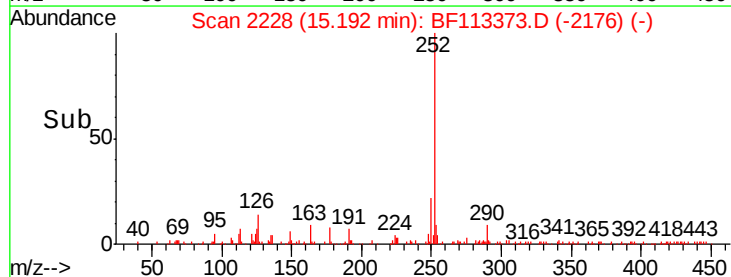
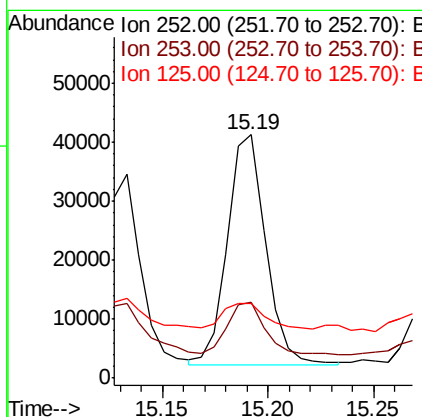
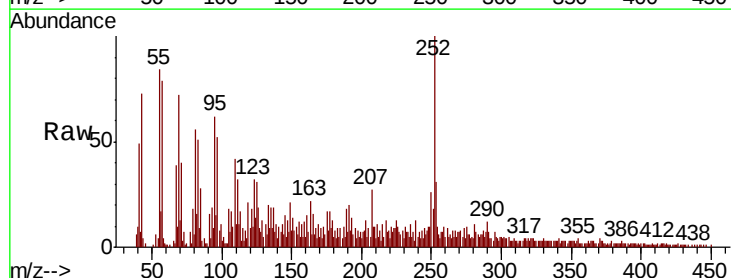
Instrument :
BNA_F
ClientSampleId :

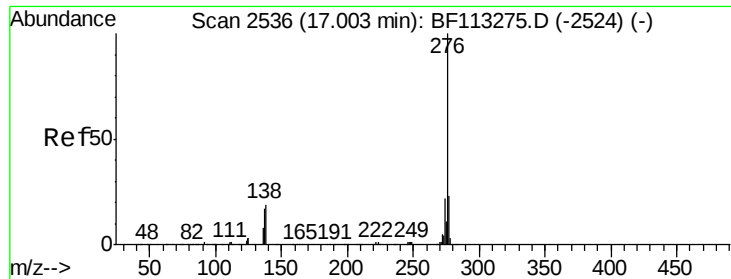
Tot Ion:252 Resp: 88379
Ion Ratio Lower Upper
252 100
253 32.3 17.7 26.5#
125 30.0 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 3.032 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF113373.D
Acq: 28 Mar 2019 14:42

Tgt Ion:252 Resp: 49473
Ion Ratio Lower Upper
252 100
253 31.2 17.9 26.9#
125 30.5 8.8 13.2#

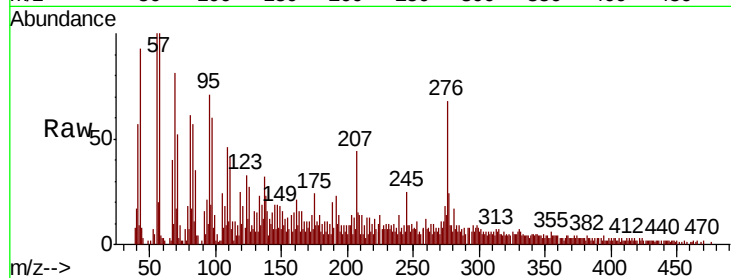




#92
 Benzo(a,h,i)perylene
 Concen: 2.091 ng
 RT: 17.02 min Scan# 2538
 Delta R.T. 0.01 min
 Lab File: BF113373.D
 Acq: 28 Mar 2019 14:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	36.0	18.8	28.2
138	33.9	15.6	23.4



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

