

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032819\
 Data File : BF113372.D
 Acq On : 28 Mar 2019 14:13
 Operator : JU/SJ
 Sample : K1950-01 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 14:39:44 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

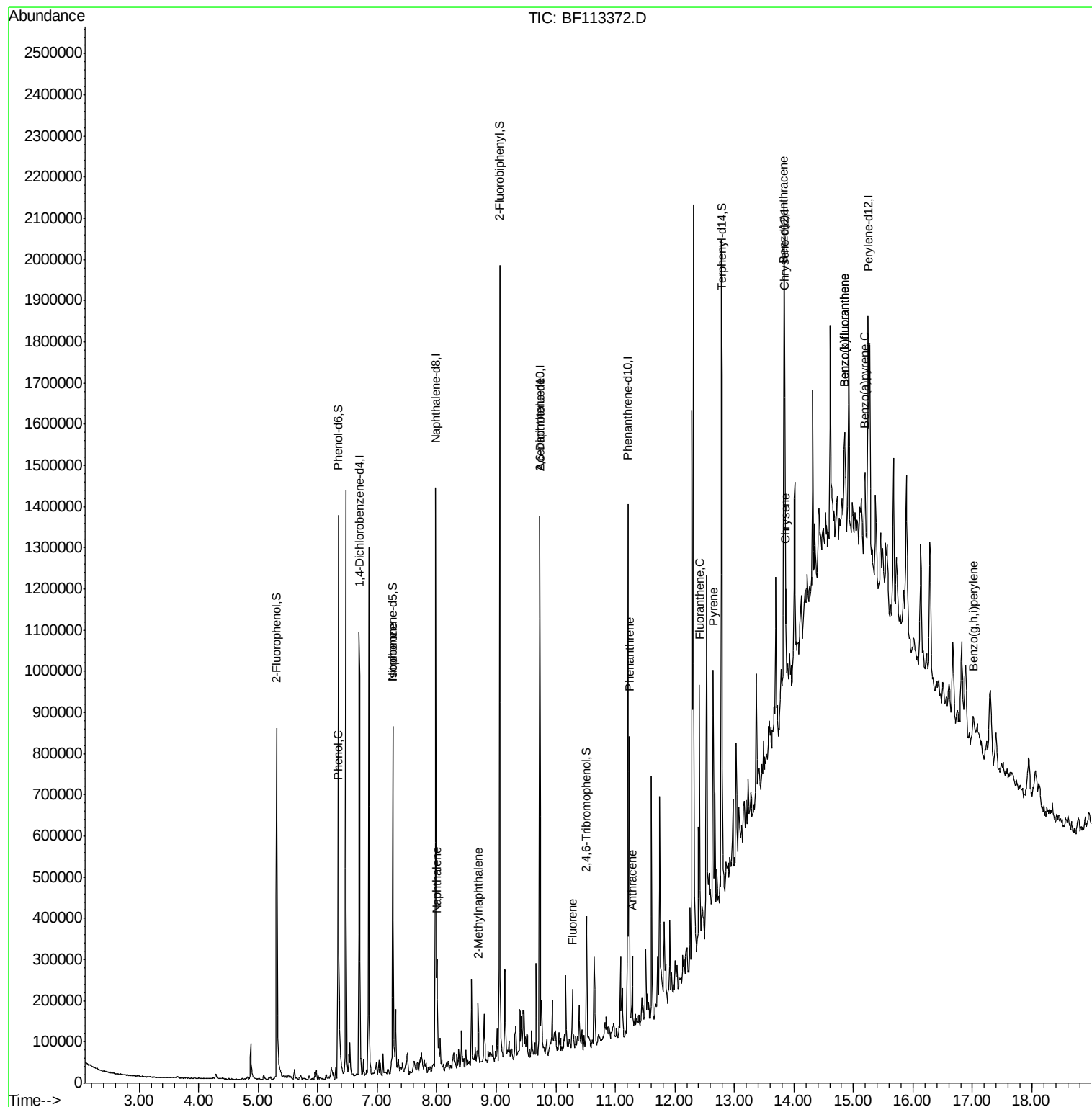
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	175039	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	639292	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	268903	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	478589	20.00	ng	0.00
76) Chrysene-d12	13.84	240	406263	20.00	ng	0.00
87) Perylene-d12	15.24	264	296551	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	305811	28.57	ng	0.00
7) Phenol-d6	6.35	99	545187	40.26	ng	-0.01
23) Nitrobenzene-d5	7.26	82	317955	29.52	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	47563	14.32	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	609311	22.56	ng	0.00
79) Terphenyl-d14	12.79	244	571458	31.00	ng	-0.01
Target Compounds						
10) Phenol	6.36	94	33684	2.179	ng	# 76
20) 3+4-Methylphenols	7.15	107	1045	Below Cal		# 44
25) Isophorone	7.26	82	312660	14.979	ng	# 64
31) Naphthalene	8.00	128	94646	3.030	ng	# 97
37) 2-Methylnaphthalene	8.70	142	49025	2.515	ng	# 98
51) 2,6-Dinitrotoluene	9.73	165	36140	8.039	ng	# 27
58) Fluorene	10.28	166	44615	2.426	ng	# 98
71) Phenanthrene	11.23	178	270545	11.383	ng	# 98
72) Anthracene	11.29	178	69069	2.861	ng	# 99
75) Fluoranthene	12.42	202	271747	10.114	ng	# 99
78) Pyrene	12.65	202	255563	9.078	ng	# 98
81) Benzo(a)anthracene	13.83	228	110197	4.739	ng	# 93
83) Chrysene	13.86	228	106412	4.505	ng	# 93
88) Benzo(b)fluoranthene	14.85	252	123187	6.687	ng	# 77
89) Benzo(k)fluoranthene	14.85	252	123187	7.615	ng	# 76
90) Benzo(a)pyrene	15.19	252	63736	3.903	ng	# 74
92) Benzo(a,h,i)perylene	17.02	276	39083	2.745	ng	# 77

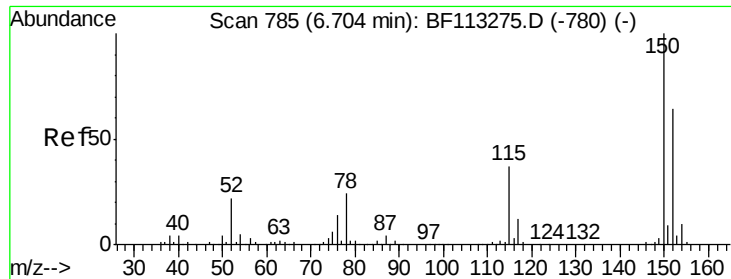
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032819\
Data File : BF113372.D
Acq On : 28 Mar 2019 14:13
Operator : JU/SJ
Sample : K1950-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 28 14:39:44 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



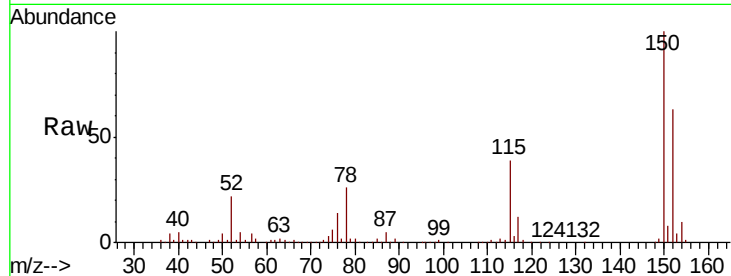


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF113372.D
Acq: 28 Mar 2019 14:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.7	187.1
115	61.5	46.0	69.0

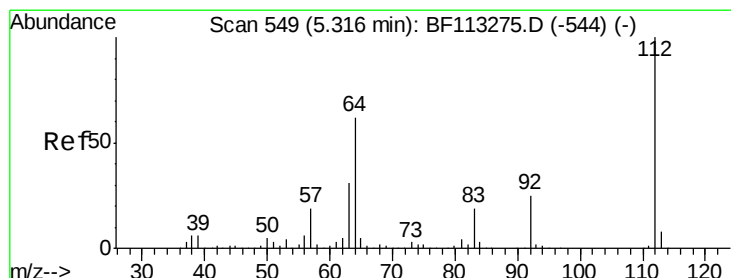
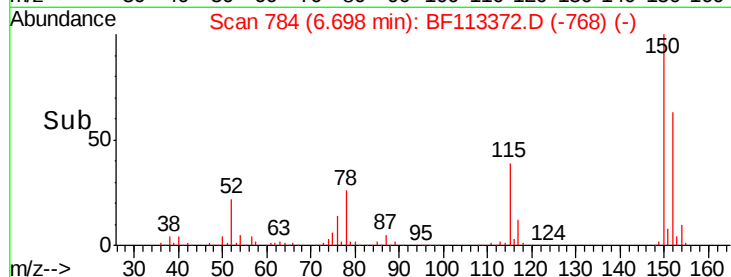
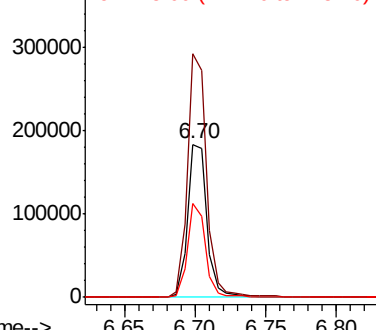


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

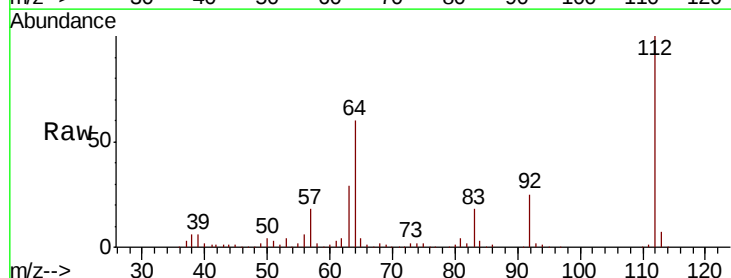
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 28.567 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF113372.D
Acq: 28 Mar 2019 14:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	49.2	73.8
63	29.2	24.9	37.3

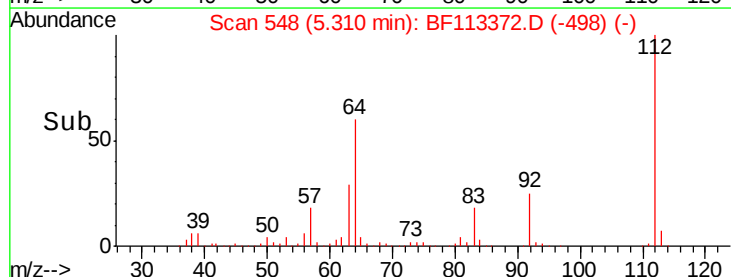
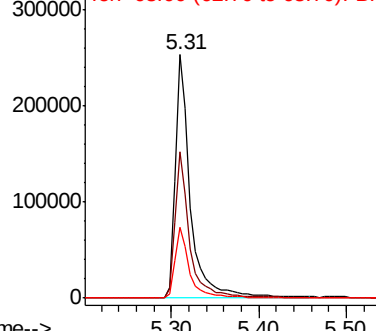


Abundance

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: 40.258 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113372.D

Acq: 28 Mar 2019 14:13

Instrument :

BNA_F

ClientSampleId :

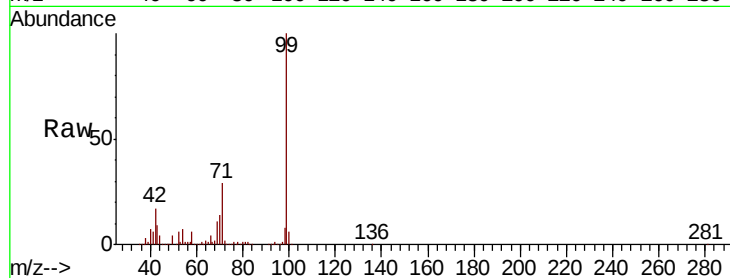
Tot Ion: 99 Resp: 545187

Ion Ratio Lower Upper

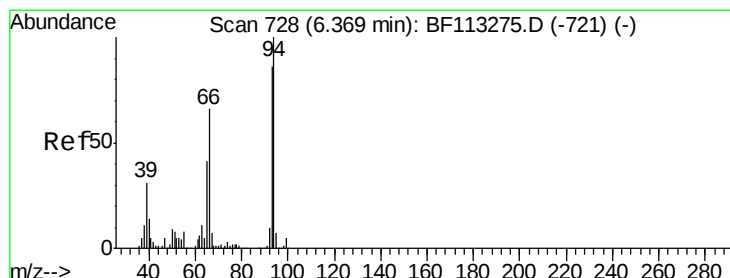
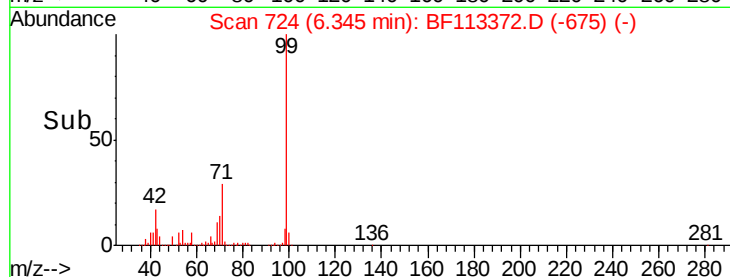
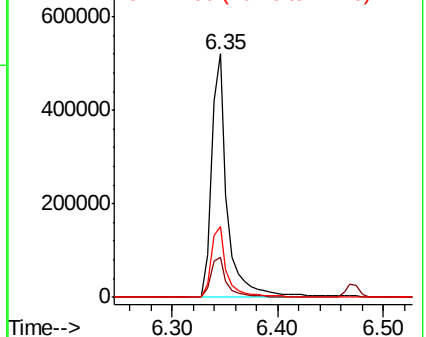
99 100

42 16.7 14.8 22.2

71 29.2 24.9 37.3



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: 2.179 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF113372.D

Acq: 28 Mar 2019 14:13

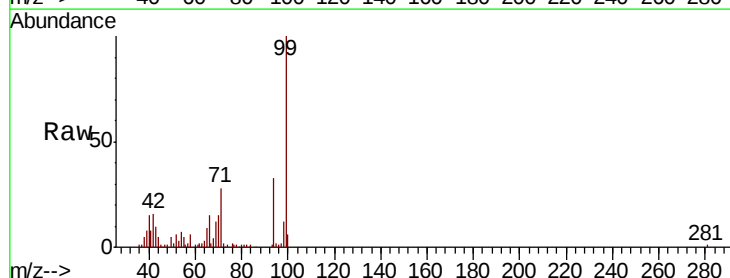
Tgt Ion: 94 Resp: 33684

Ion Ratio Lower Upper

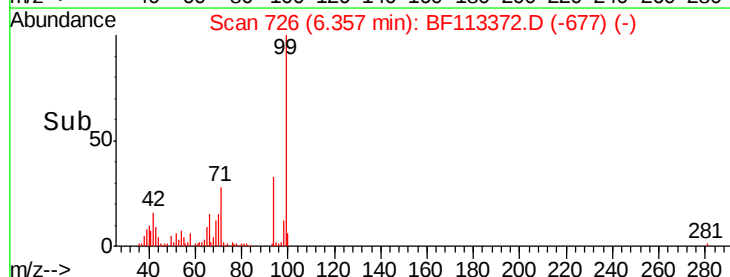
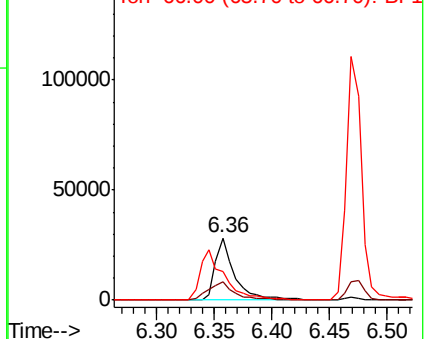
94 100

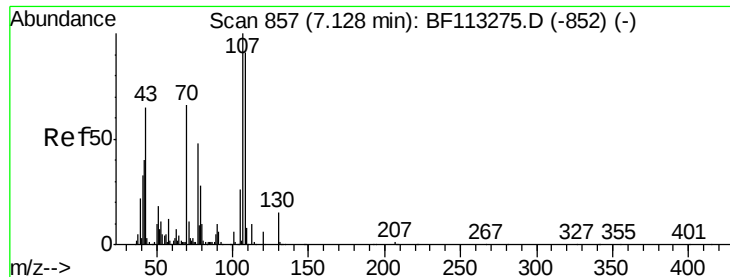
65 29.1 21.4 61.4

66 45.2 46.4 86.4#



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

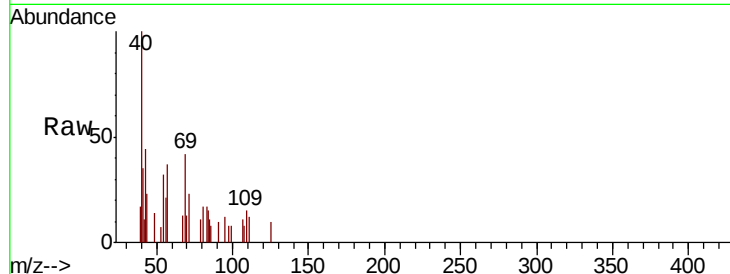




#20
3+4-Methylphenols
Concen: Below Cal
RT: 7.15 min Scan# 861
Delta R.T. 0.02 min
Lab File: BF113372.D
Acq: 28 Mar 2019 14:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
108	68.7	71.4	111.4#
77	0.0	33.5	73.5#
79	92.3	8.3	48.3#



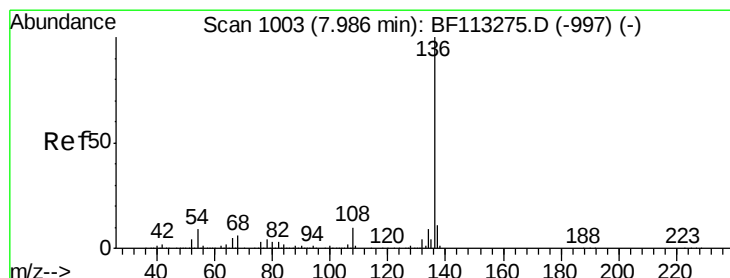
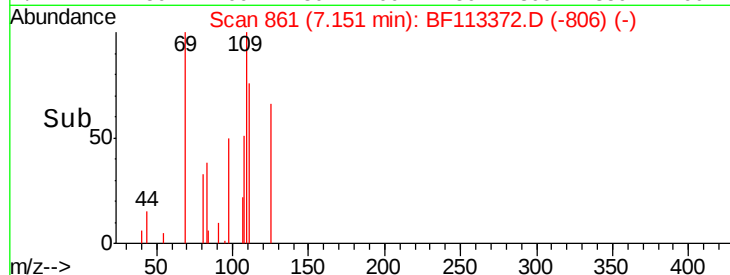
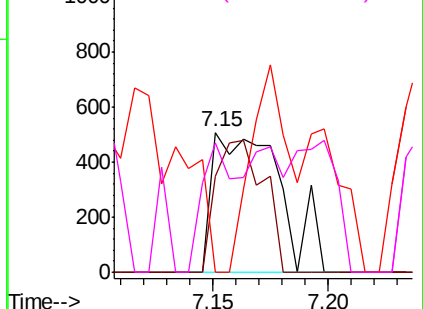
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF113372.D
Acq: 28 Mar 2019 14:13

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.9	7.0	10.6
68	6.6	4.8	7.2

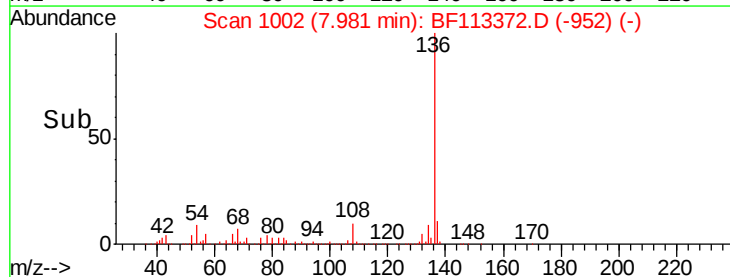
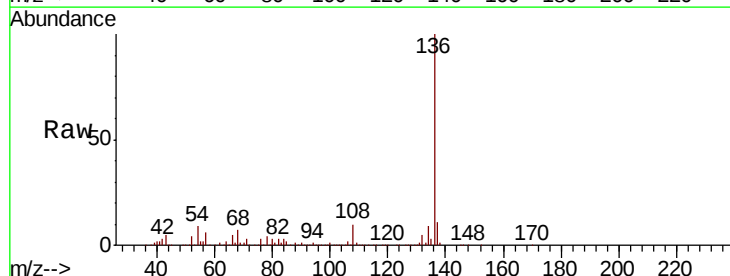
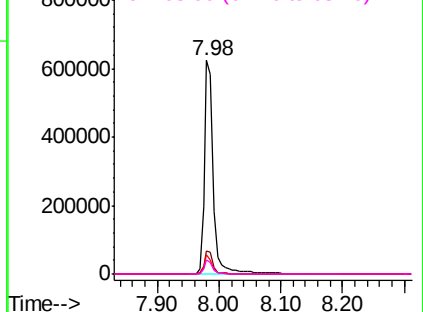
Abundance

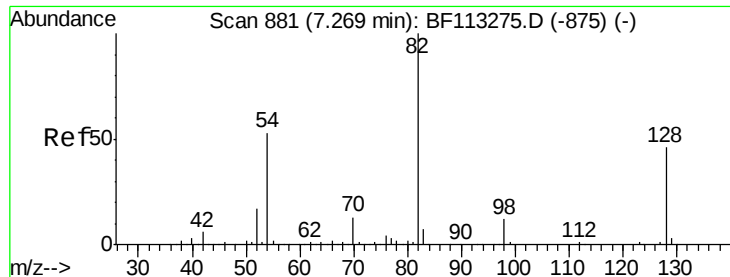
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

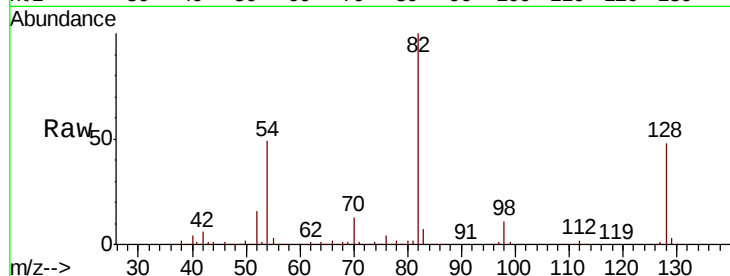




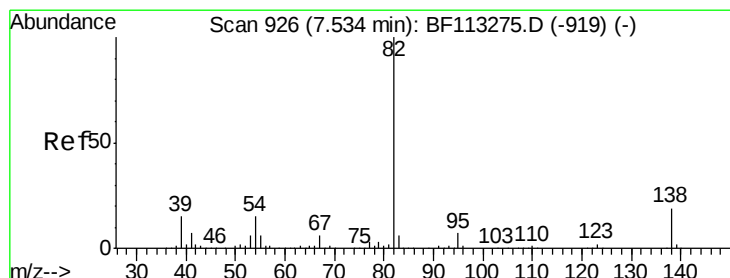
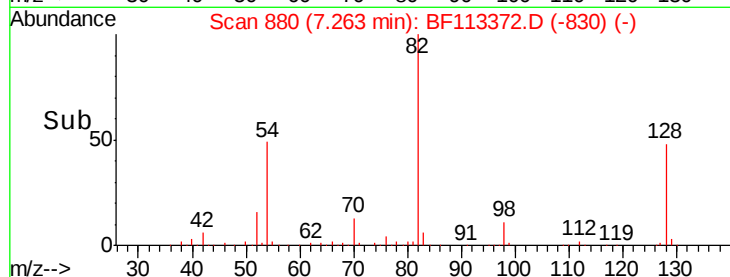
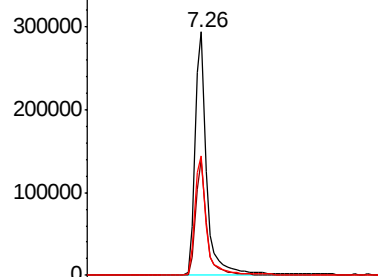
#23
 Nitrobenzene-d5
 Concen: 29.520 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.00 min
 Lab File: BF113372.D
 Acq: 28 Mar 2019 14:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 317955
 Ion Ratio Lower Upper
 82 100
 128 47.5 36.5 54.7
 54 49.0 42.2 63.2

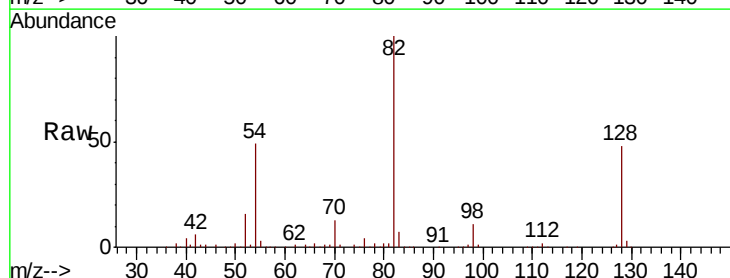


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

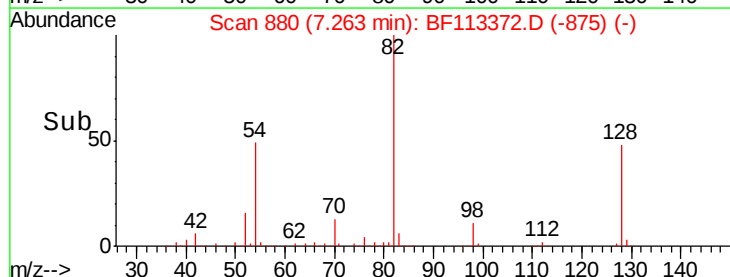
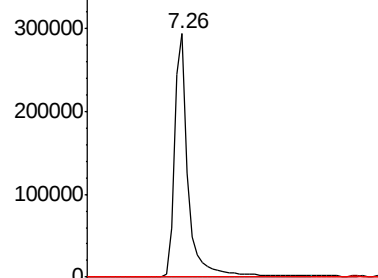


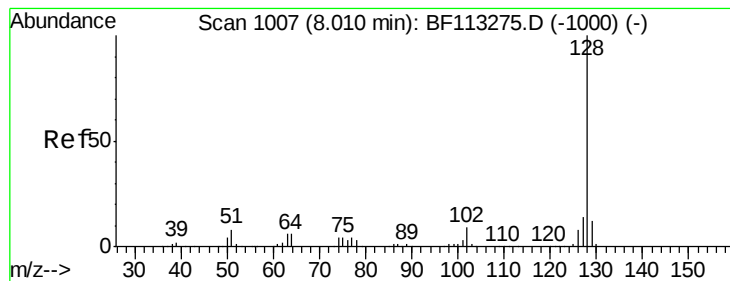
#25
 Isophorone
 Concen: 14.979 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.27 min
 Lab File: BF113372.D
 Acq: 28 Mar 2019 14:13

Tgt Ion: 82 Resp: 312660
 Ion Ratio Lower Upper
 82 100
 95 0.2 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





#31

Naphthalene

Concen: 3.030 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113372.D

Acq: 28 Mar 2019 14:13

Instrument :

BNA_F

ClientSampleId :

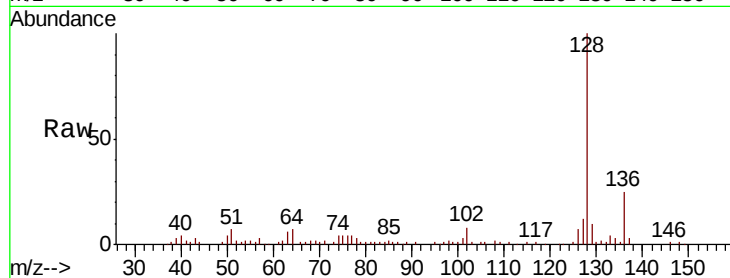
Tot Ion:128 Resp: 94646

Ion Ratio Lower Upper

128 100

129 10.4 9.3 13.9

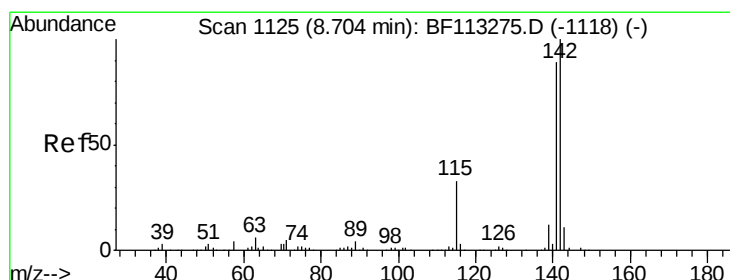
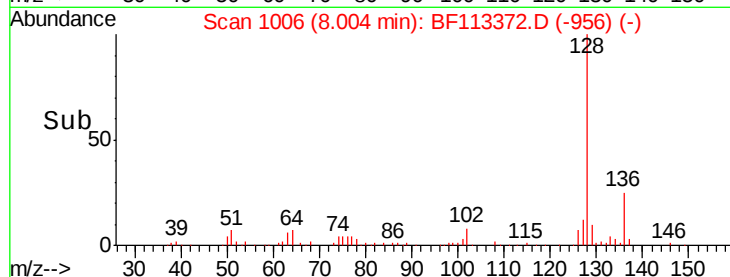
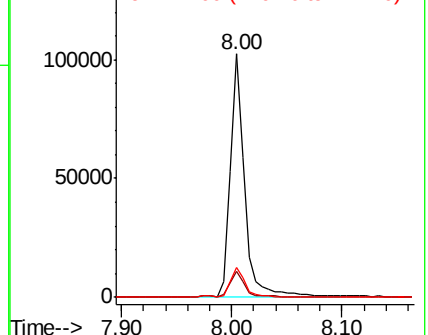
127 12.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.515 ng

RT: 8.70 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF113372.D

Acq: 28 Mar 2019 14:13

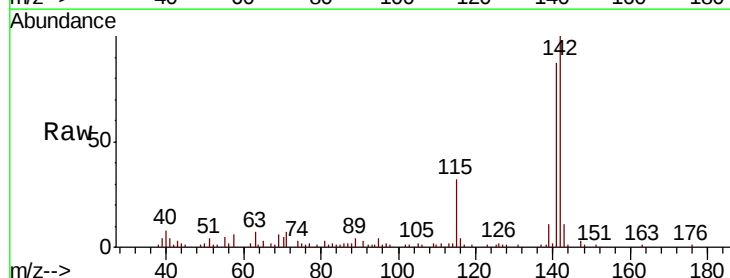
Tgt Ion:142 Resp: 49025

Ion Ratio Lower Upper

142 100

141 86.8 71.0 106.6

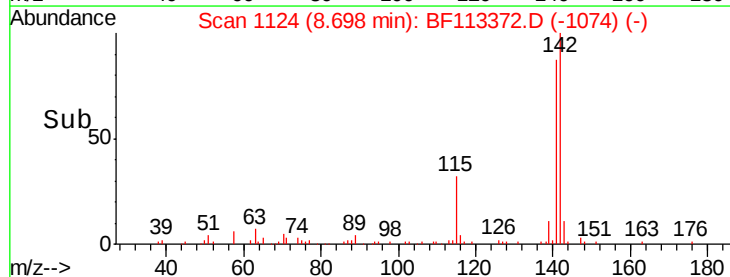
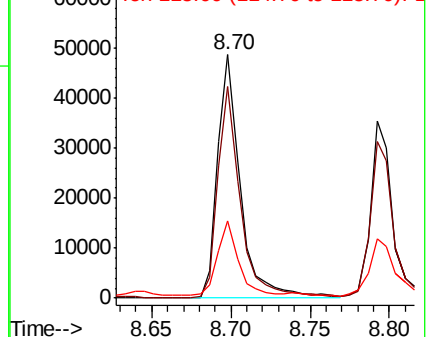
115 31.6 26.6 39.8

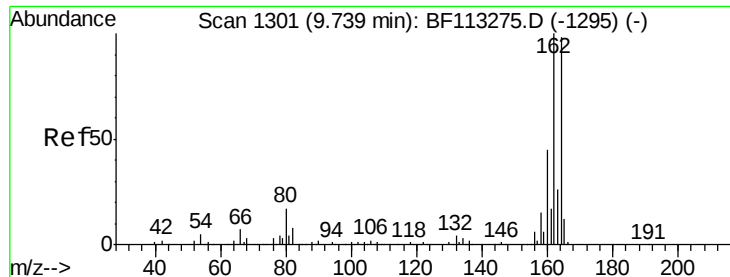


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

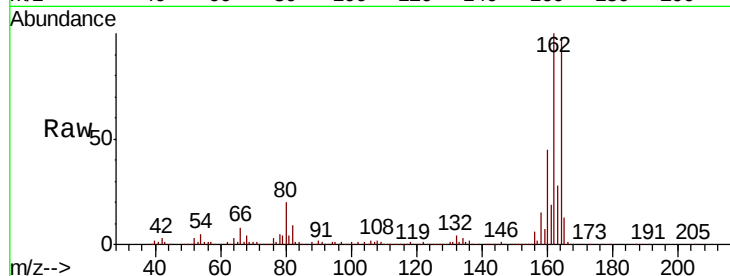




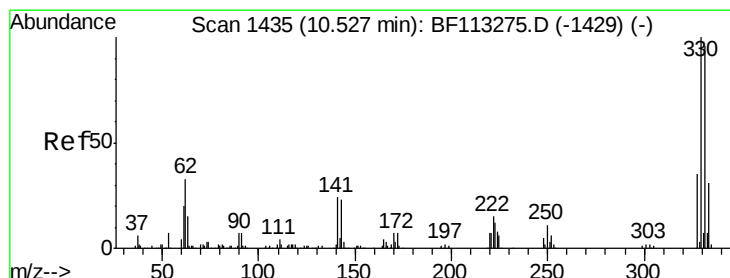
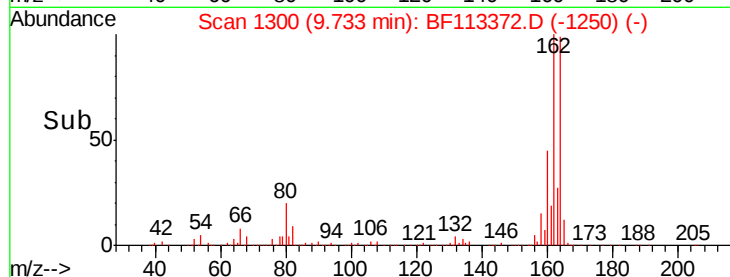
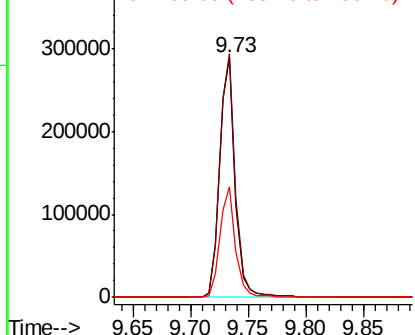
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF113372.D
 Acq: 28 Mar 2019 14:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 268903
 Ion Ratio Lower Upper
 164 100
 162 101.6 81.8 122.6
 160 46.1 36.4 54.6

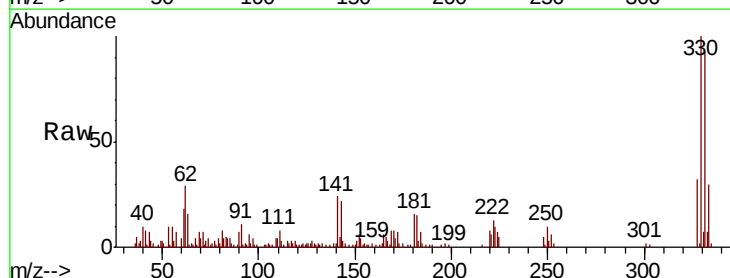


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

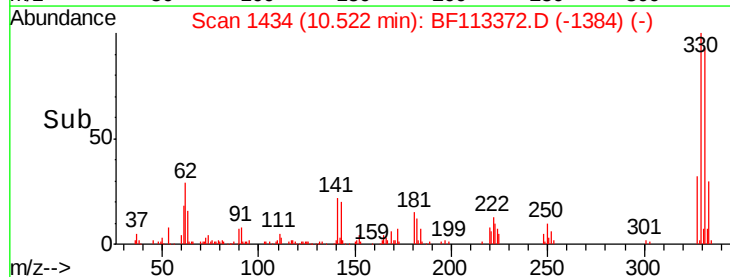
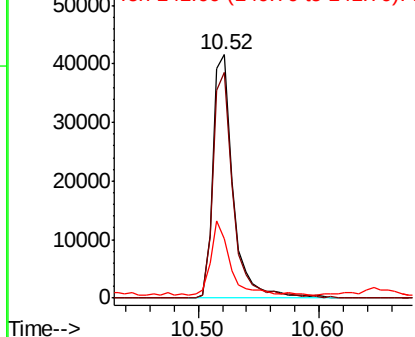


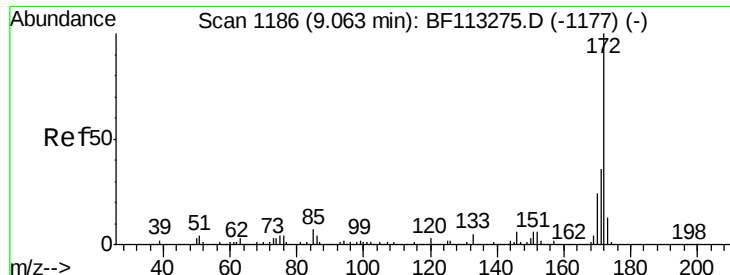
#42
 2,4,6-Tribromophenol
 Concen: 14.319 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113372.D
 Acq: 28 Mar 2019 14:13

Tgt Ion:330 Resp: 47563
 Ion Ratio Lower Upper
 330 100
 332 93.1 77.8 116.6
 141 27.7 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

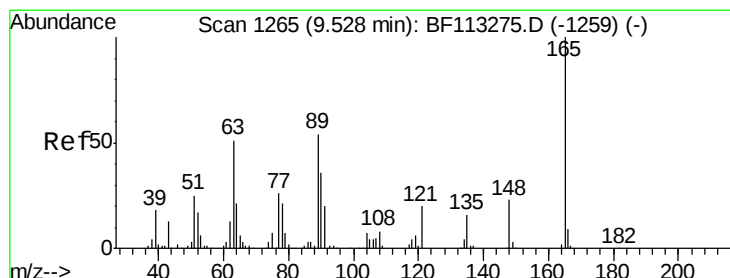
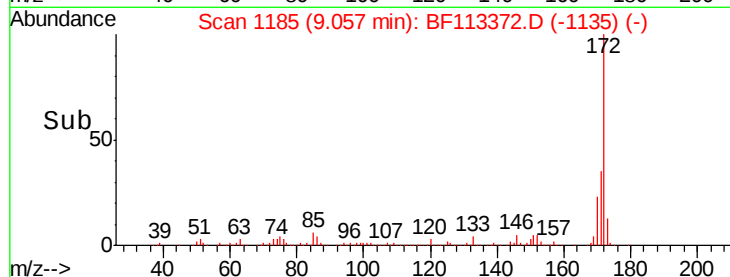
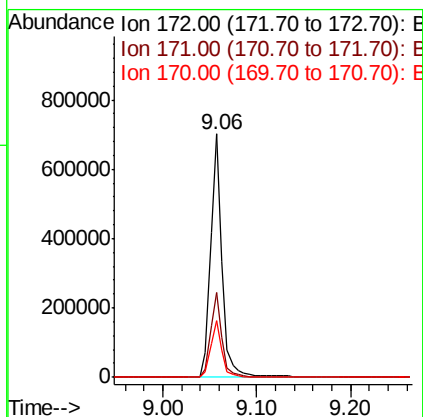
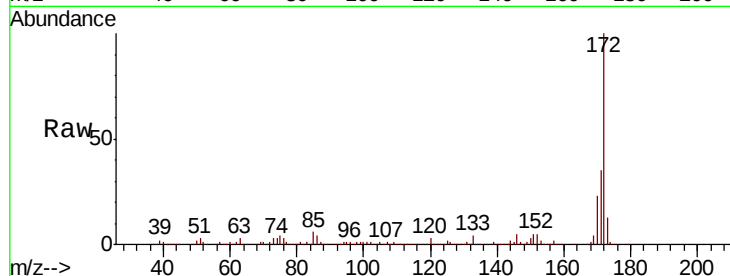




#45
2-Fluorobiphenyl
Concen: 22.559 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.00 min
Lab File: BF113372.D
Acq: 28 Mar 2019 14:13

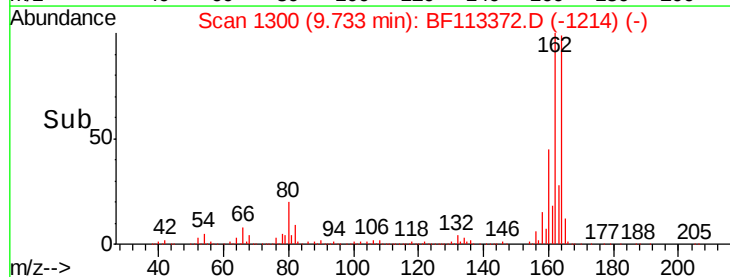
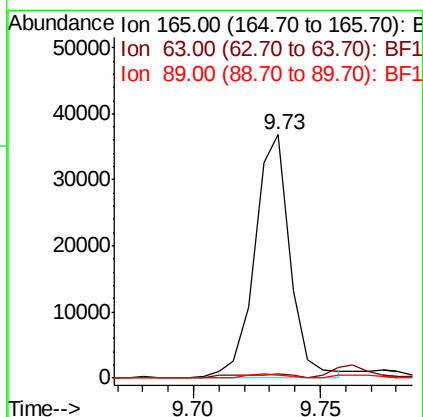
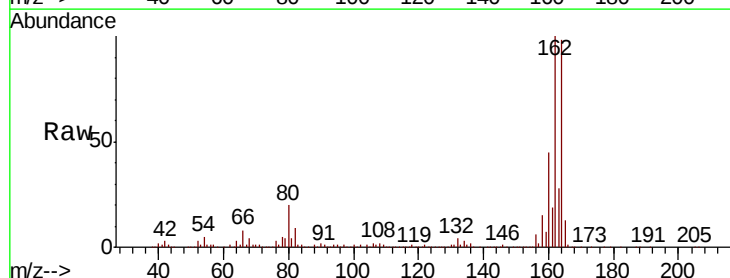
Instrument :
BNA_F
ClientSampleId :

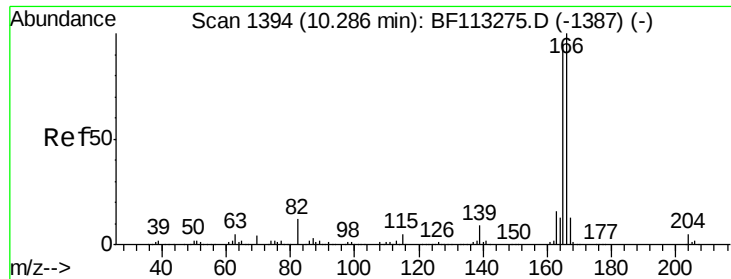
Tot Ion:172 Resp: 609311
Ion Ratio Lower Upper
172 100
171 34.7 29.0 43.6
170 23.3 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 8.039 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.21 min
Lab File: BF113372.D
Acq: 28 Mar 2019 14:13

Tgt Ion:165 Resp: 36140
Ion Ratio Lower Upper
165 100
63 2.0 43.4 65.0#
89 1.4 43.1 64.7#





#58

Fluorene

Concen: 2.426 ng

RT: 10.28 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BF113372.D

Acq: 28 Mar 2019 14:13

Instrument :

BNA_F

ClientSampleId :

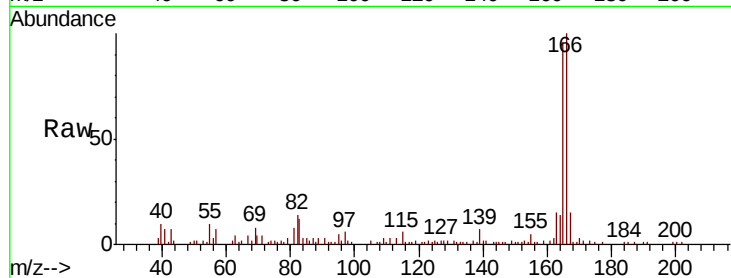
Tot Ion:166 Resp: 44615

Ion Ratio Lower Upper

166 100

165 96.4 76.2 114.2

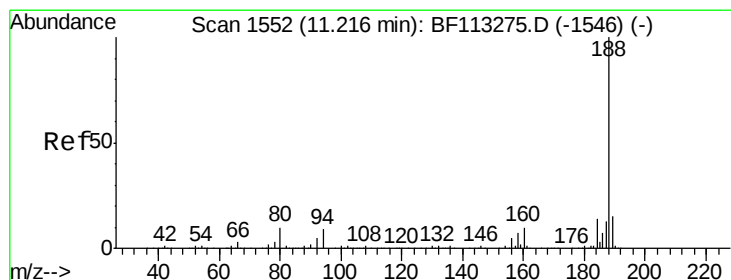
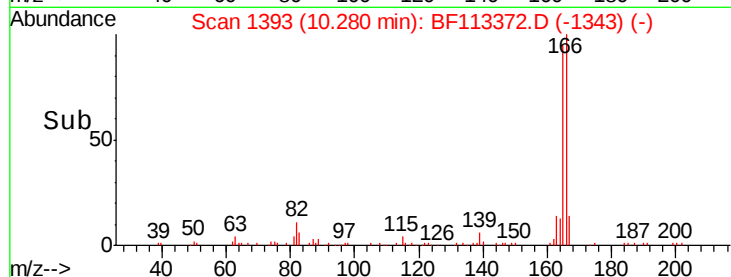
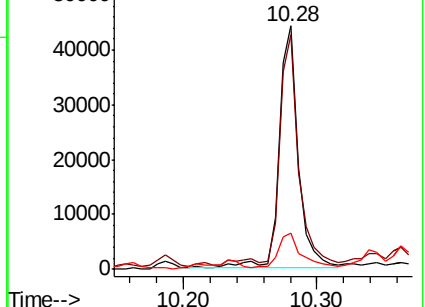
167 14.8 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF113372.D

Acq: 28 Mar 2019 14:13

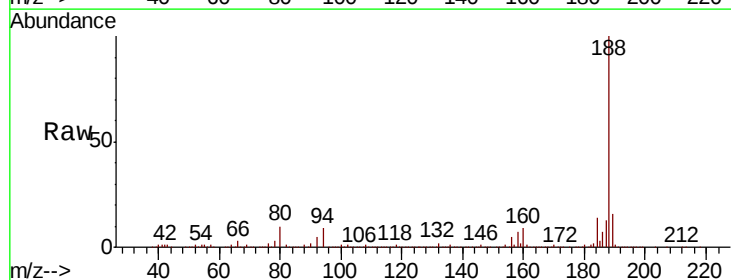
Tgt Ion:188 Resp: 478589

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.6

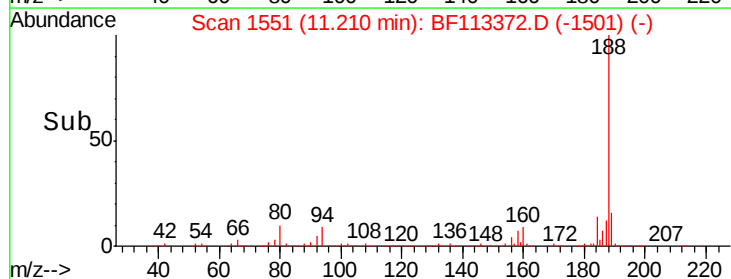
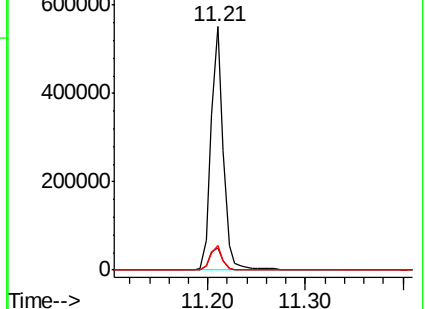
80 9.9 7.7 11.5

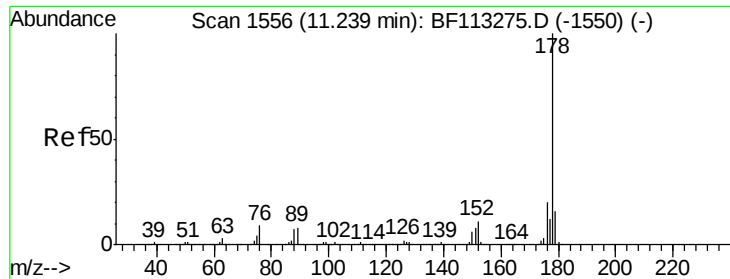


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 11.383 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113372.D

Acq: 28 Mar 2019 14:13

Instrument :

BNA_F

ClientSampleId :

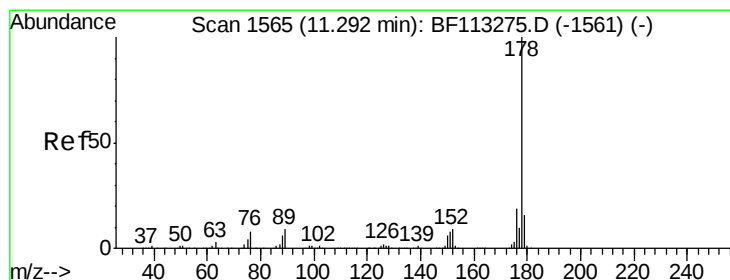
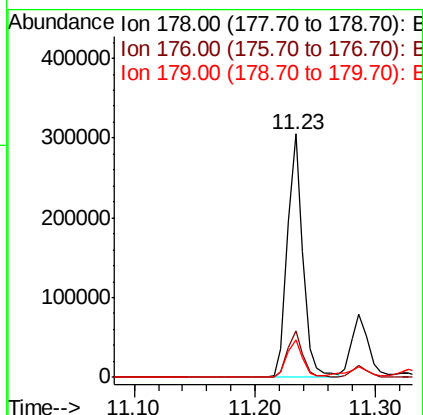
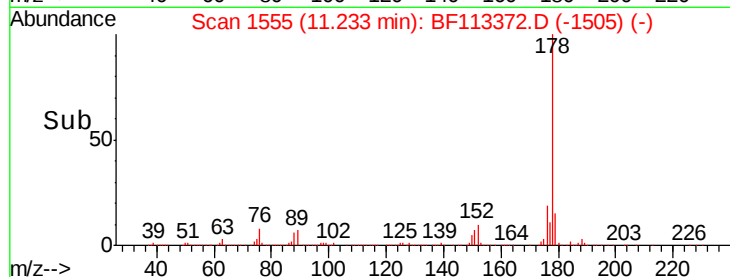
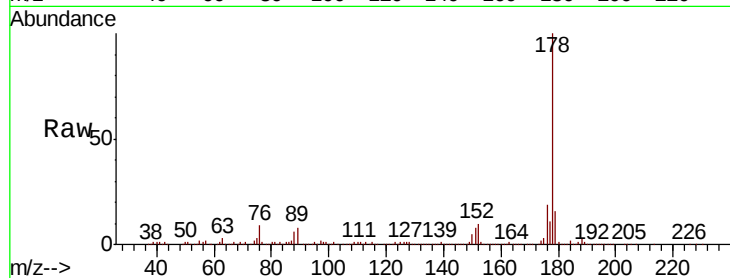
Tot Ion:178 Resp: 270545

Ion Ratio Lower Upper

178 100

176 18.9 16.2 24.2

179 15.5 12.7 19.1



#72

Anthracene

Concen: 2.861 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF113372.D

Acq: 28 Mar 2019 14:13

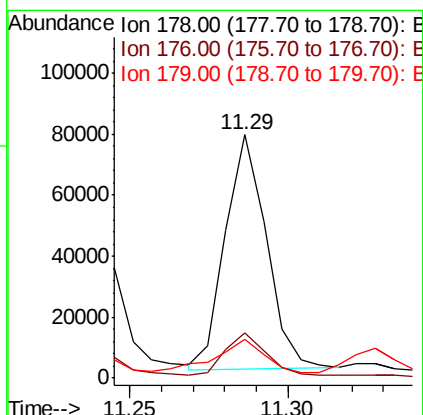
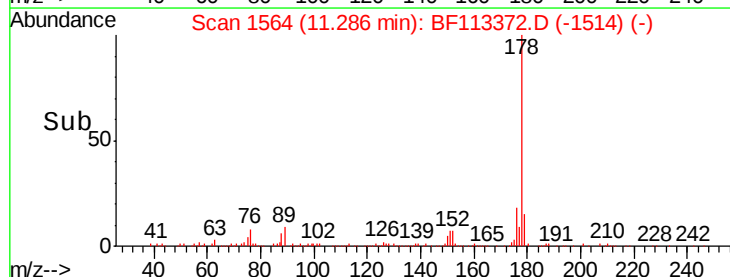
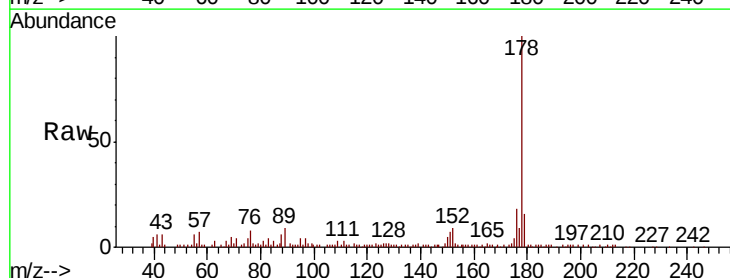
Tgt Ion:178 Resp: 69069

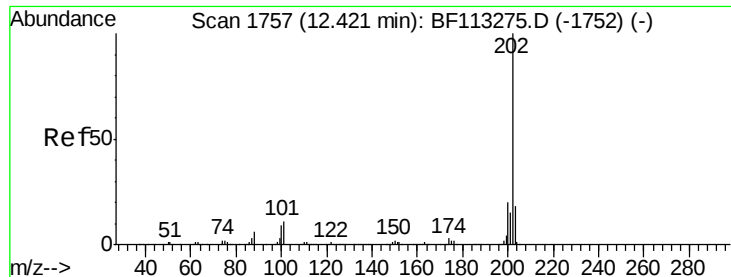
Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

179 16.0 12.8 19.2





#75

Fluoranthene

Concen: 10.114 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF113372.D

Acq: 28 Mar 2019 14:13

Instrument :

BNA_F

ClientSampleId :

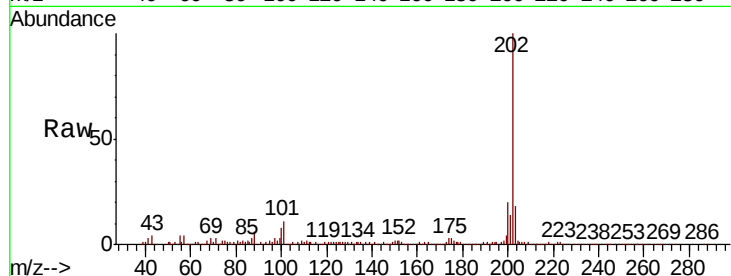
Tot Ion:202 Resp: 271747

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.4

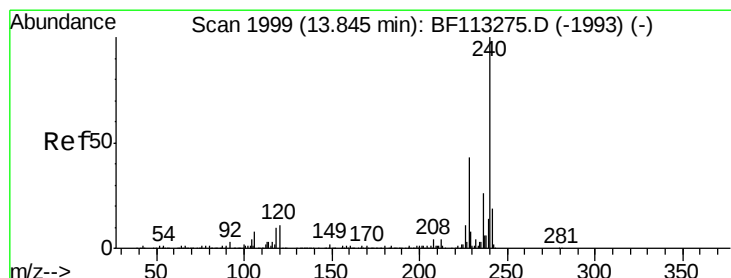
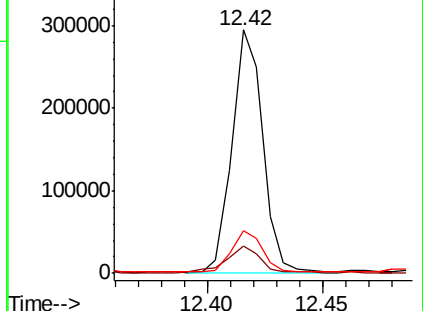
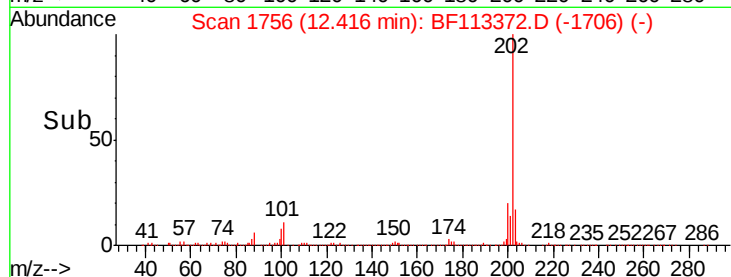
203 17.7 0.0 38.0



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: BF113372.D

Acq: 28 Mar 2019 14:13

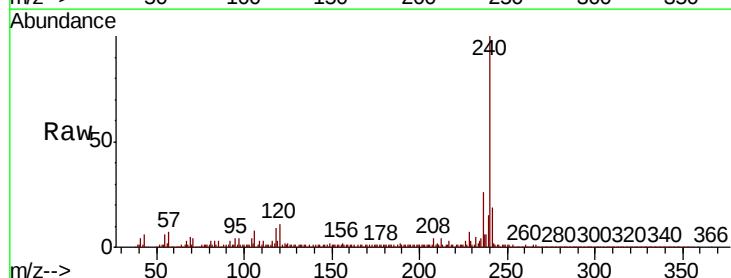
Tgt Ion:240 Resp: 406263

Ion Ratio Lower Upper

240 100

120 10.9 8.8 13.2

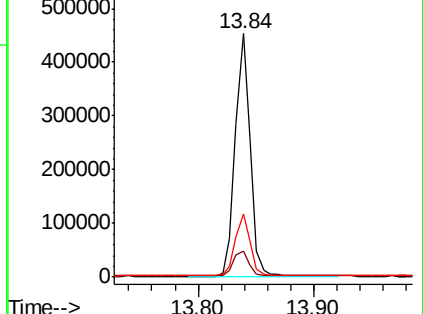
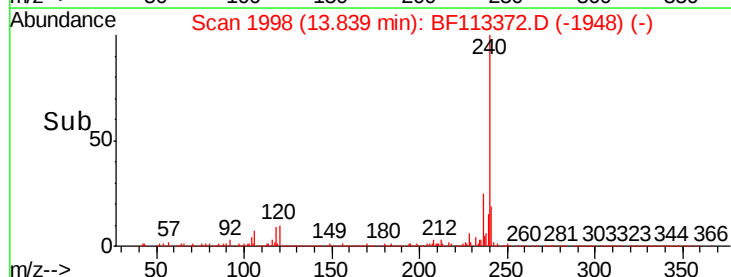
236 25.7 20.9 31.3

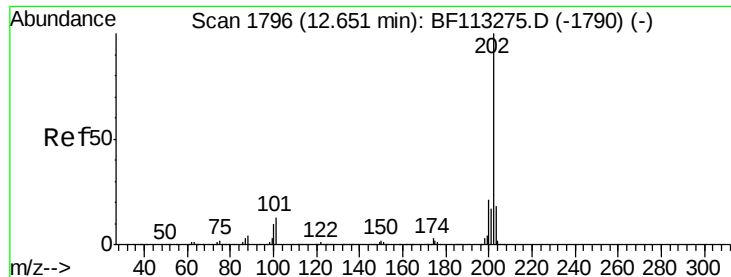


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

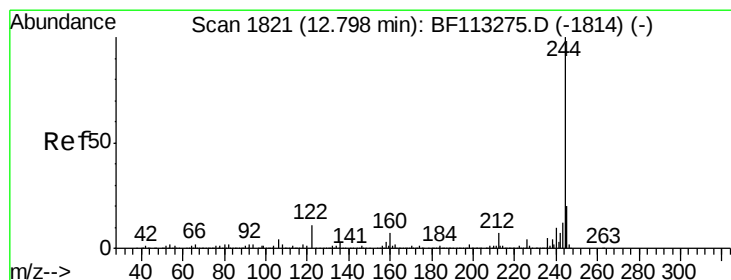
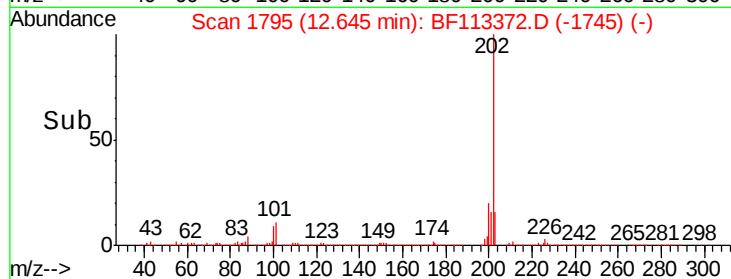
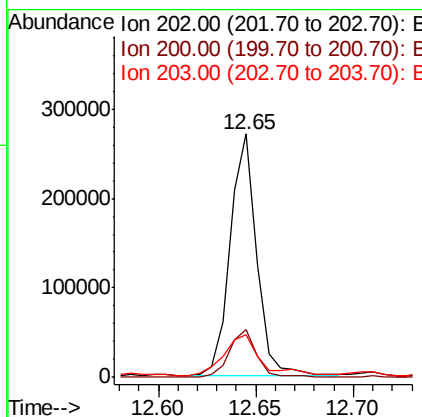
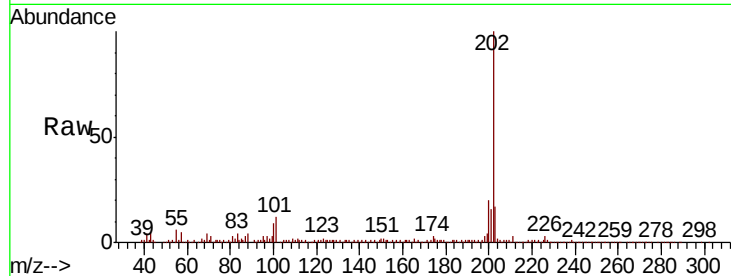




#78
Pvrene
Concen: 9.078 ng
RT: 12.65 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113372.D
Acq: 28 Mar 2019 14:13

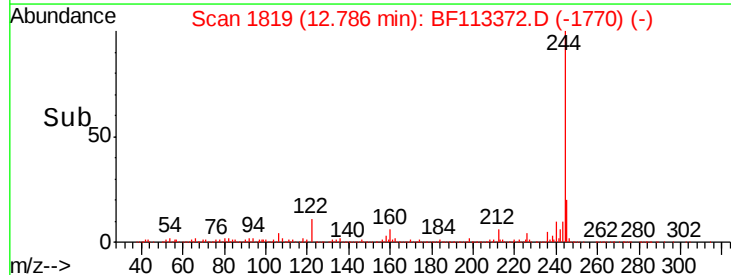
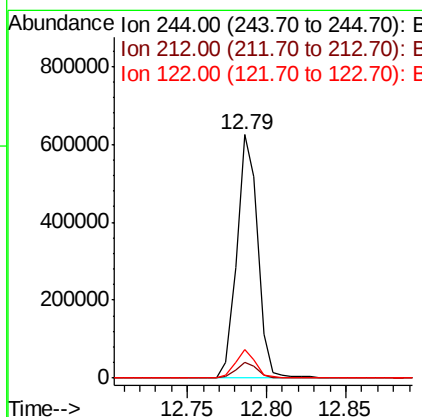
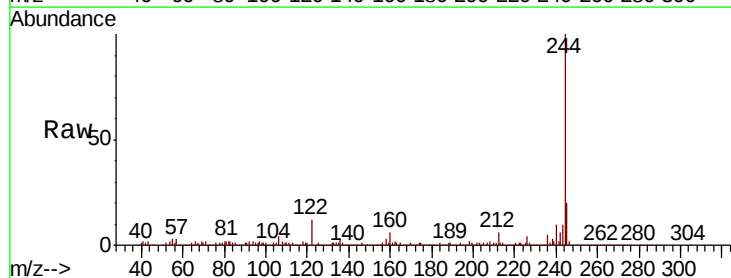
Instrument :
BNA_F
ClientSampleId :

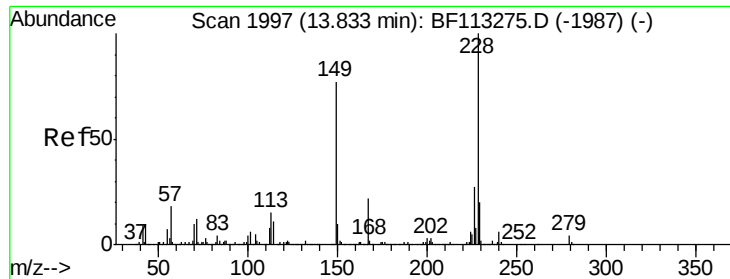
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.8	25.2
203	17.3	14.4	21.6



#79
Terphenyl-d14
Concen: 31.004 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BF113372.D
Acq: 28 Mar 2019 14:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.5	8.3
122	11.6	8.6	13.0

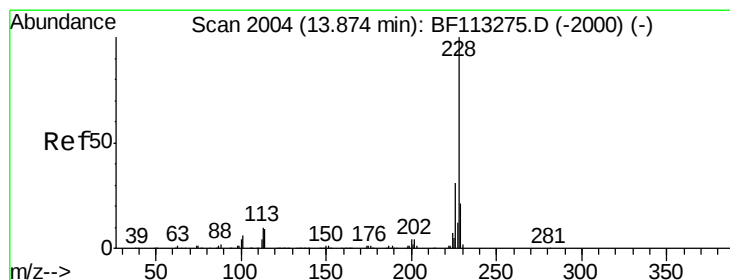
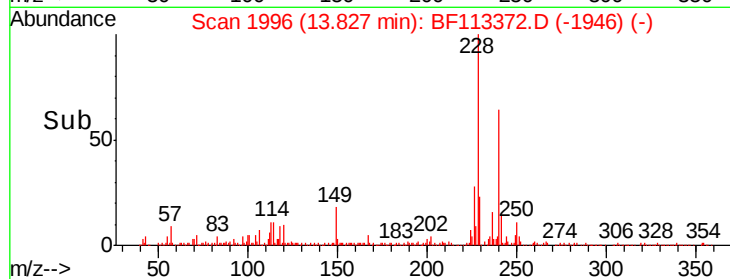
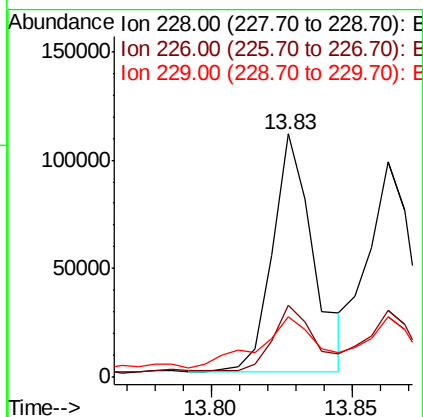
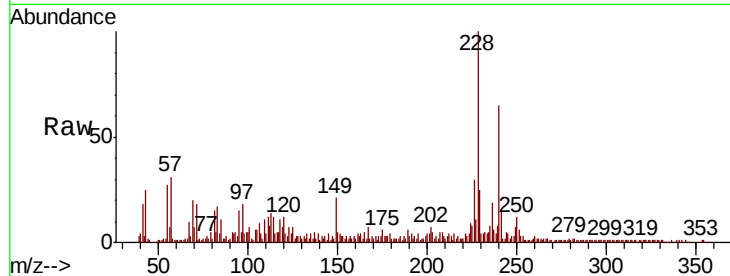




#81
Benzo(a)anthracene
Concen: 4.739 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF113372.D
Acq: 28 Mar 2019 14:13

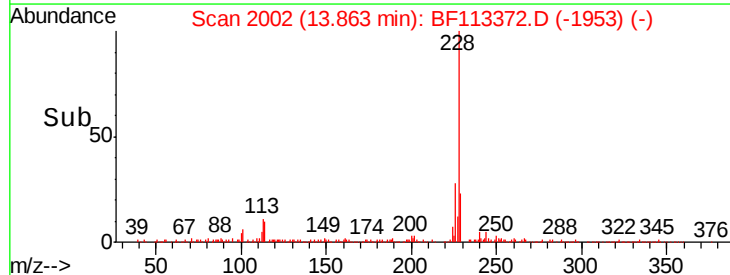
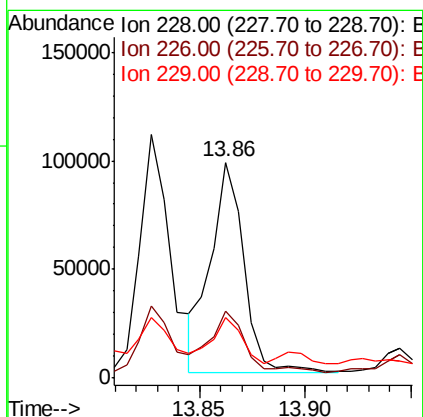
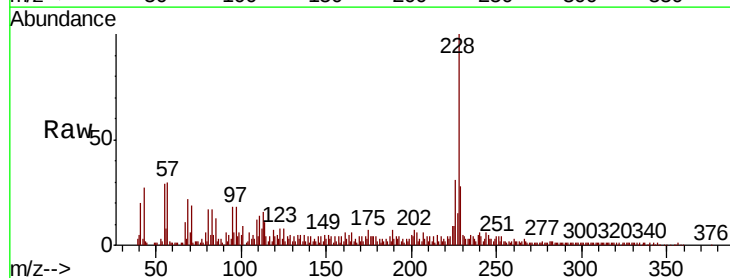
Instrument :
BNA_F
ClientSampled :

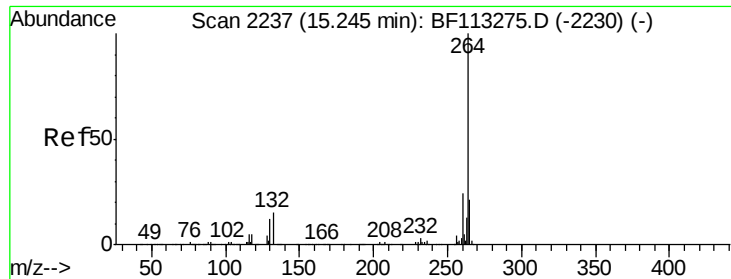
Tot Ion:228 Resp: 110197
Ion Ratio Lower Upper
228 100
226 29.7 21.8 32.8
229 25.0 16.2 24.4#



#83
Chrysene
Concen: 4.505 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113372.D
Acq: 28 Mar 2019 14:13

Tgt Ion:228 Resp: 106412
Ion Ratio Lower Upper
228 100
226 31.2 24.3 36.5
229 28.0 16.3 24.5#

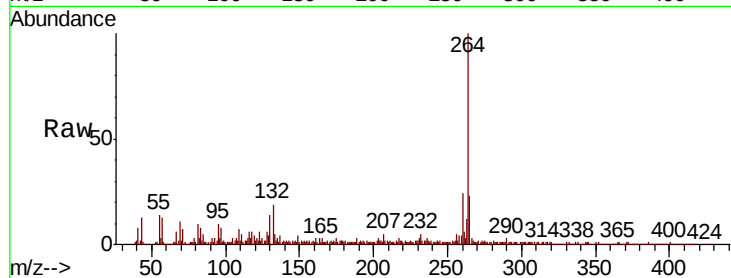




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.00 min
Lab File: BF113372.D
Acq: 28 Mar 2019 14:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.1	28.7
265	23.4	17.1	25.7

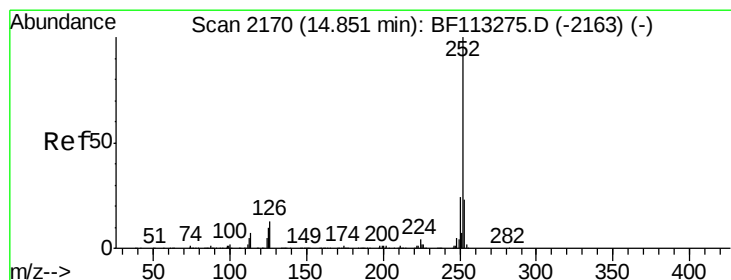
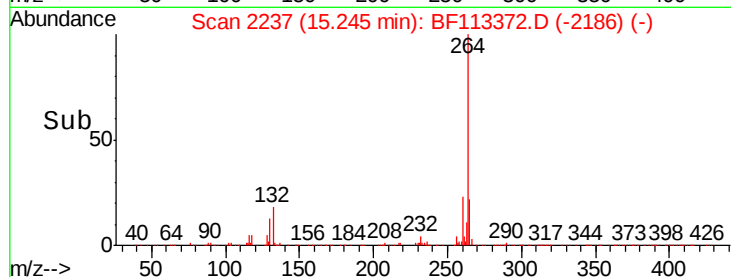
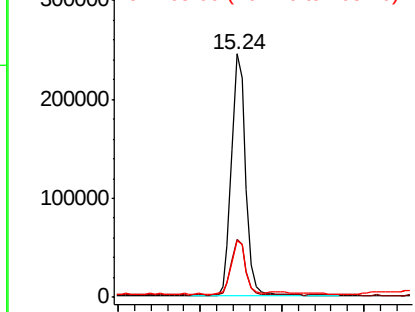


Abundance

Ion 264.00 (263.70 to 264.70): E

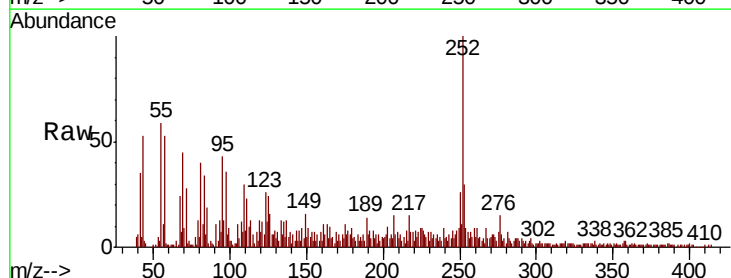
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 6.687 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF113372.D
Acq: 28 Mar 2019 14:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.8	18.0	27.0#
125	24.3	7.6	11.4#

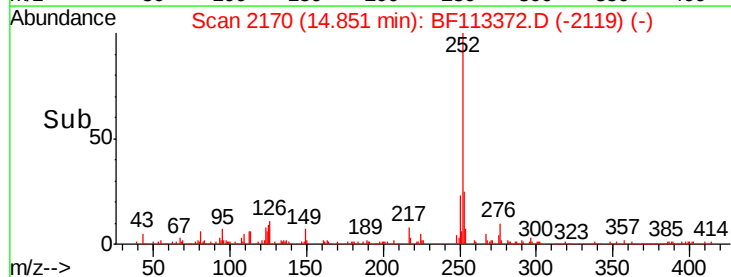
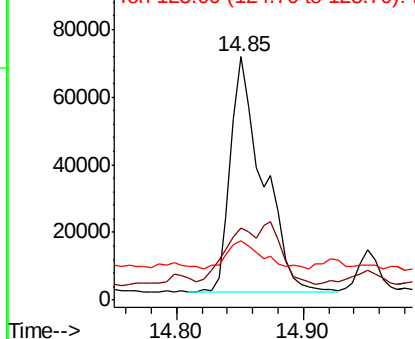


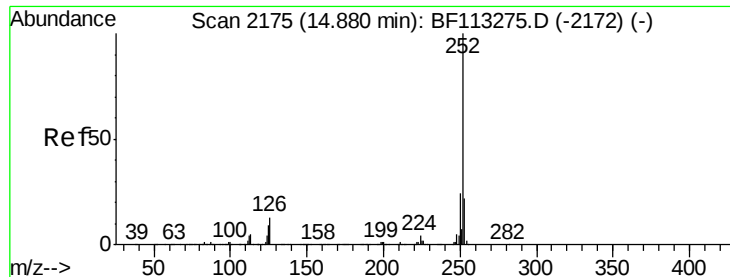
Abundance

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

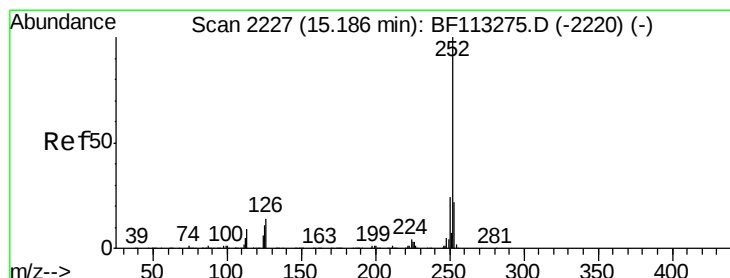
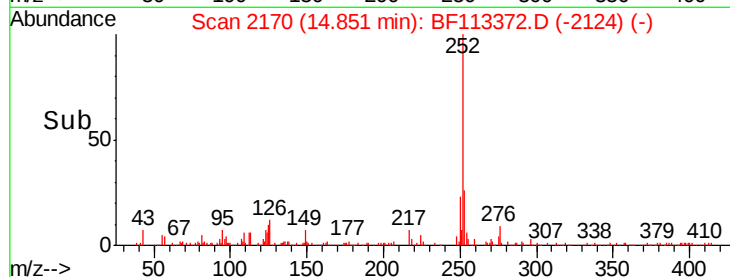
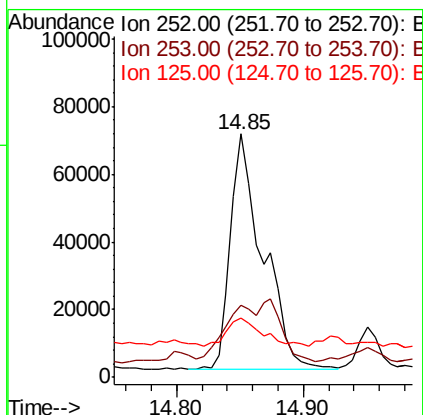
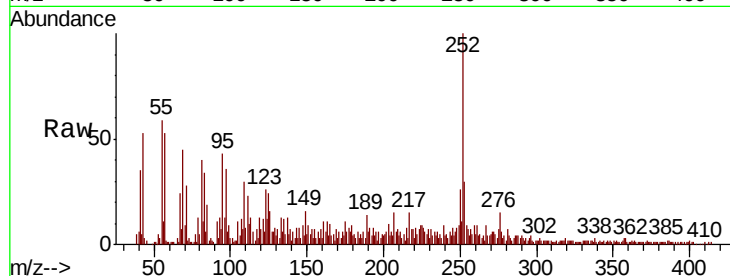




#89
Benzo(k)fluoranthene
Concen: 7.615 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF113372.D
Acq: 28 Mar 2019 14:13

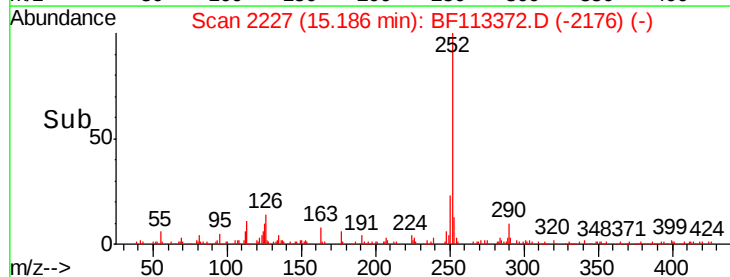
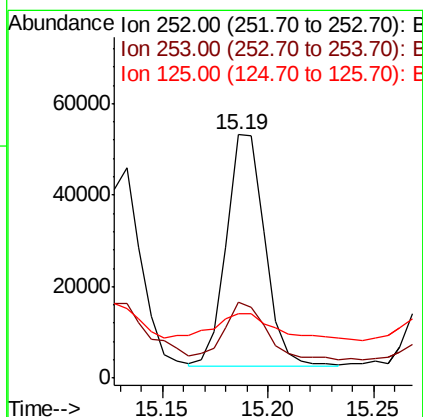
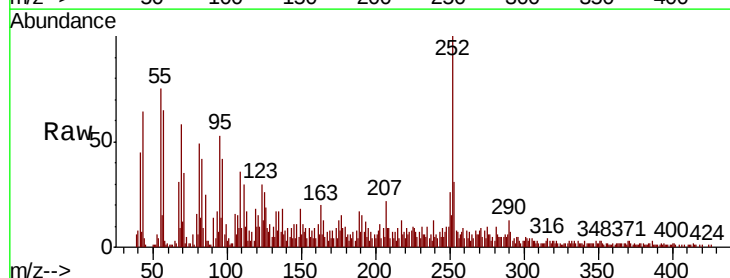
Instrument :
BNA_F
ClientSampled :

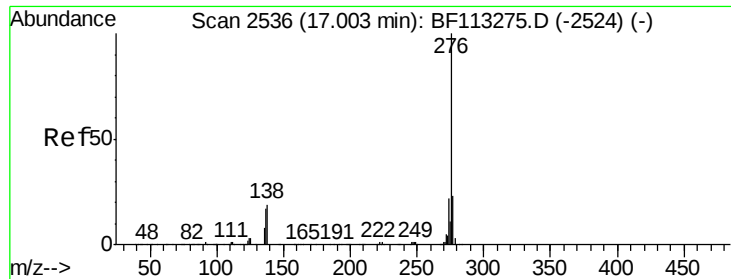
Tot Ion	Ratio	Lower	Upper
252	100		
253	29.8	17.7	26.5#
125	24.3	7.3	10.9#



#90
Benzo(a)pyrene
Concen: 3.903 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF113372.D
Acq: 28 Mar 2019 14:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.4	17.9	26.9#
125	26.4	8.8	13.2#

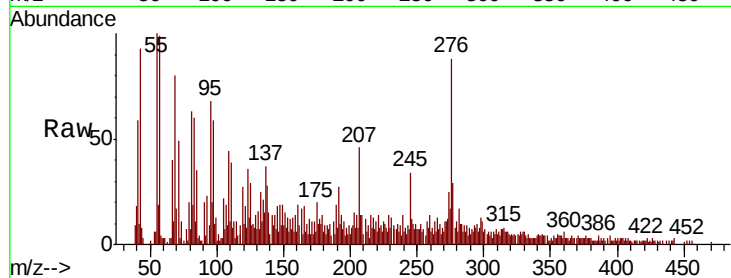




#92
 Benzo(a,h,i)perylene
 Concen: 2.745 ng
 RT: 17.02 min Scan# 2538
 Delta R.T. 0.01 min
 Lab File: BF113372.D
 Acq: 28 Mar 2019 14:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	32.7	18.8	28.2
138	31.8	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

