

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112989.D
 Acq On : 12 Mar 2019 7:34
 Operator : JU/SJ
 Sample : K1817-07
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 12 09:31:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	139172	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	587838	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	298219	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	572651	20.00	ng	0.00
76) Chrysene-d12	13.86	240	405271	20.00	ng	-0.01
87) Perylene-d12	15.27	264	311376	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	708218	79.16	ng	-0.01
7) Phenol-d6	6.37	99	949494	84.48	ng	0.00
23) Nitrobenzene-d5	7.29	82	557605	56.76	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	311019	98.24	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	992462	49.32	ng	-0.01
79) Terphenyl-d14	12.82	244	891160	42.63	ng	-0.01

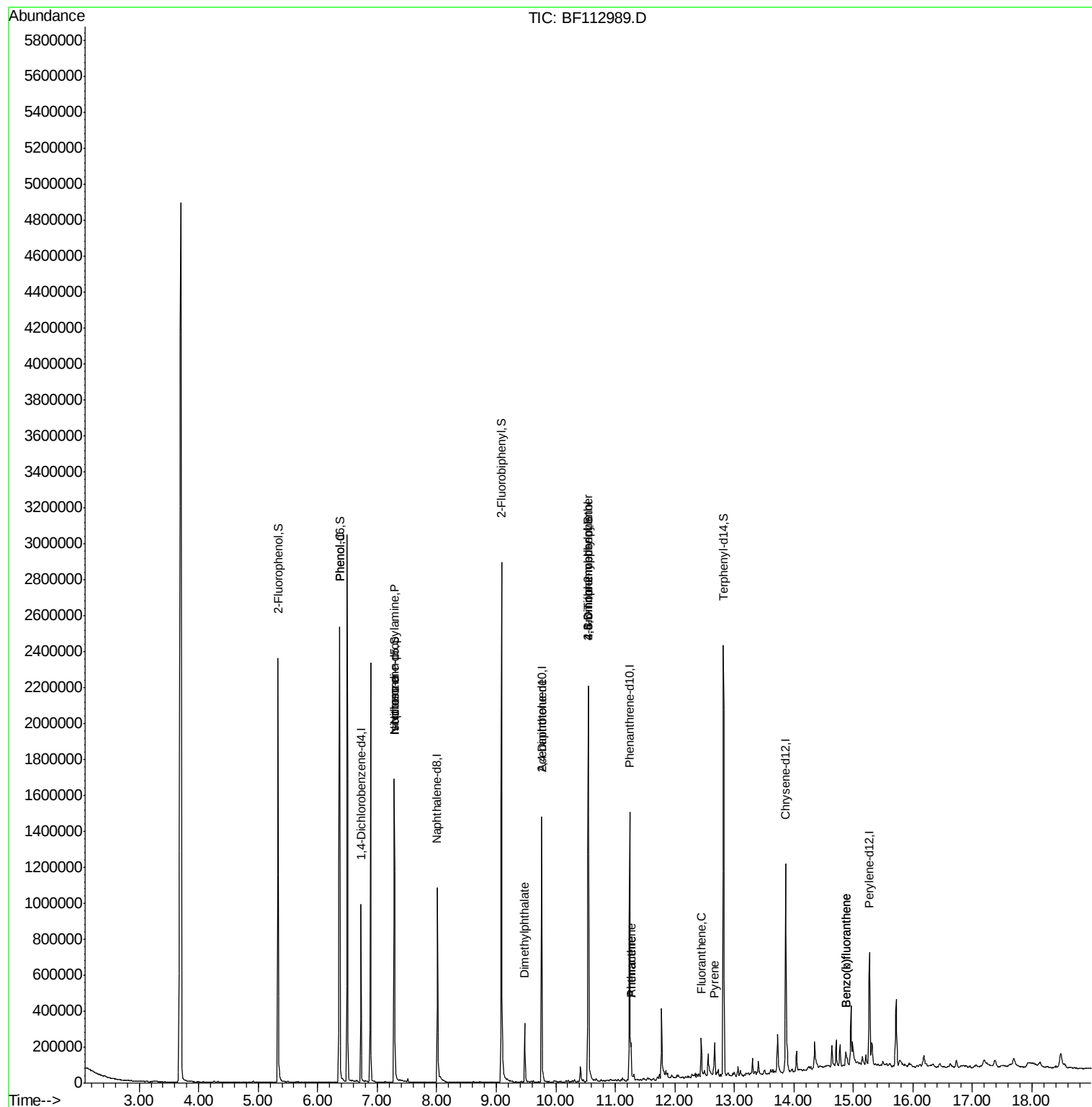
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	43713	3.333	ng	93
19) n-Nitroso-di-n-propylamine	7.29	70	71767	10.083	ng	# 75
25) Isophorone	7.29	82	557596	26.346	ng	# 66
50) Dimethylphthalate	9.48	163	149279	6.789	ng	99
57) 2,4-Dinitrotoluene	9.76	165	38111	6.696	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.55	198	490	4.801	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	17080	2.832	ng	# 1
71) Phenanthrene	11.26	178	62241	2.185	ng	96
72) Anthracene	11.26	178	62241	2.087	ng	97
75) Fluoranthene	12.44	202	84856	2.780	ng	98
78) Pyrene	12.67	202	75851	2.220	ng	98
88) Benzo(b)fluoranthene	14.87	252	57001	2.830	ng	97
89) Benzo(k)fluoranthene	14.87	252	57001	3.124	ng	97

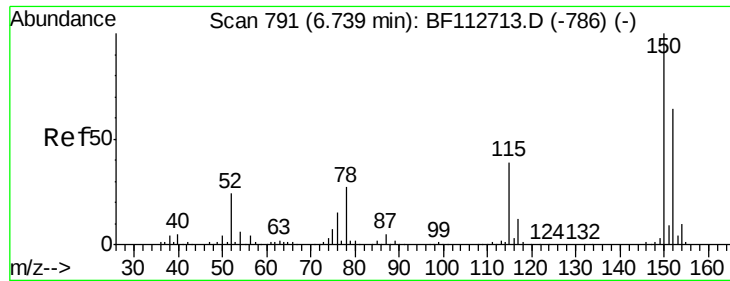
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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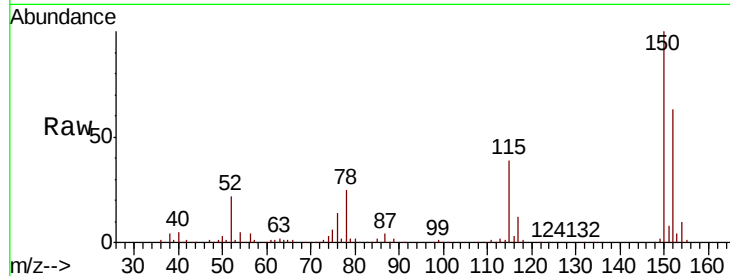


#1

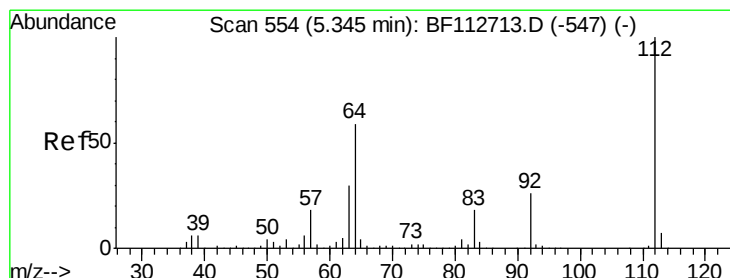
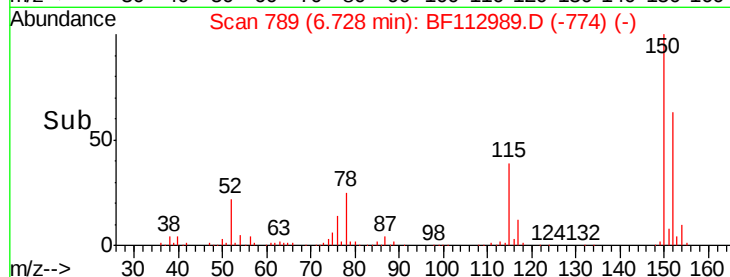
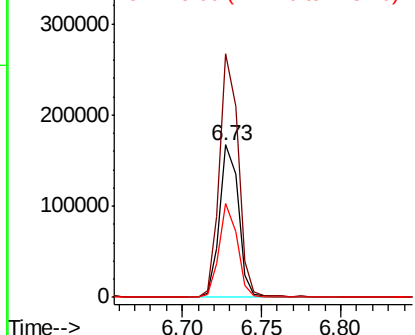
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.2	186.2
115	61.8	48.2	72.4



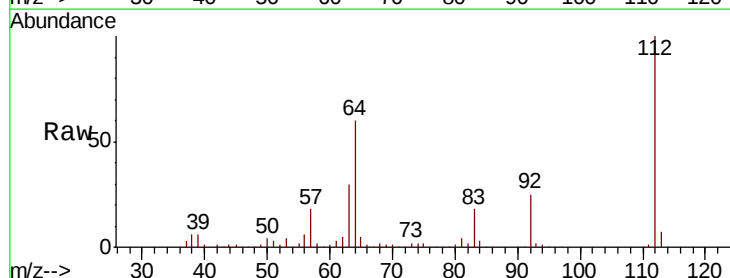
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



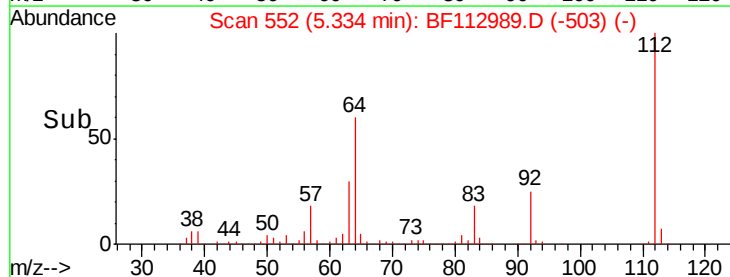
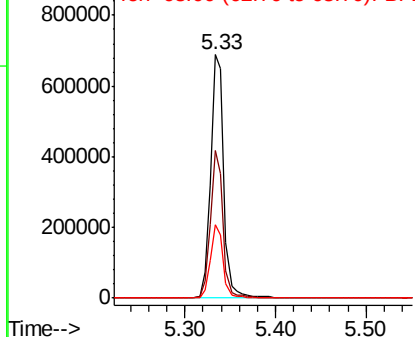
#5

2-Fluorophenol
Concen: 79.158 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.6	71.4
63	30.3	24.4	36.6



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: 84.484 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112989.D

Acq: 12 Mar 2019 7:34

Instrument :

BNA_F

ClientSampleId :

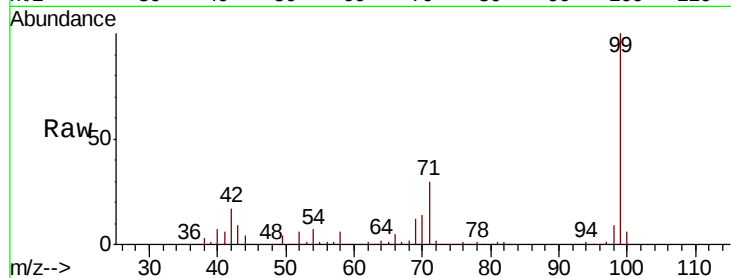
Tot Ion: 99 Resp: 949494

Ion Ratio Lower Upper

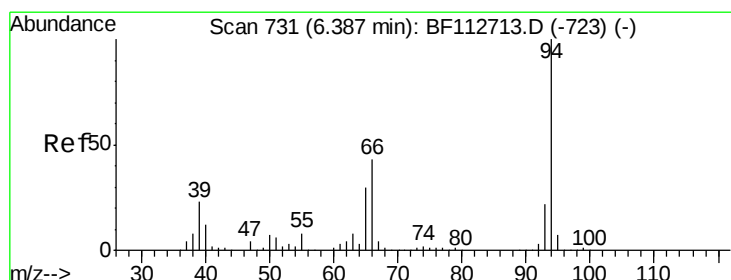
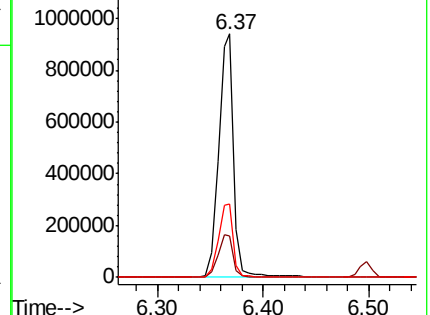
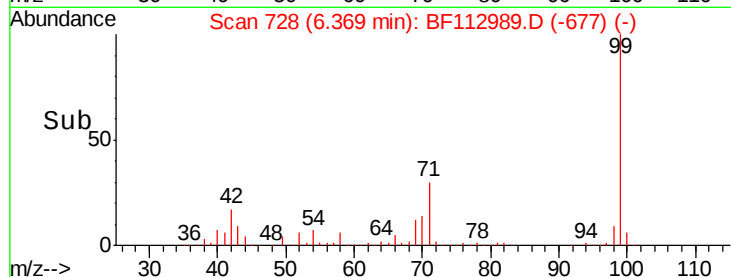
99 100

42 17.0 16.3 24.5

71 30.3 26.2 39.4



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: 3.333 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF112989.D

Acq: 12 Mar 2019 7:34

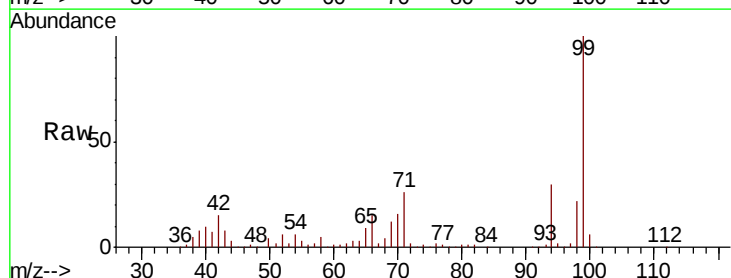
Tgt Ion: 94 Resp: 43713

Ion Ratio Lower Upper

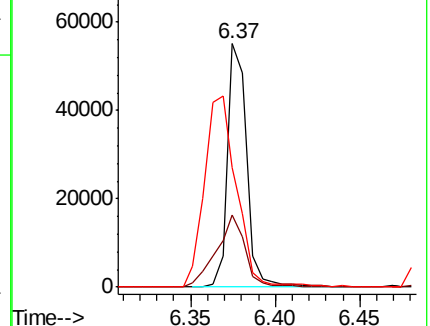
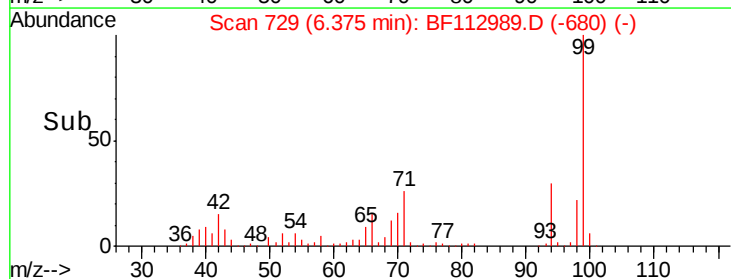
94 100

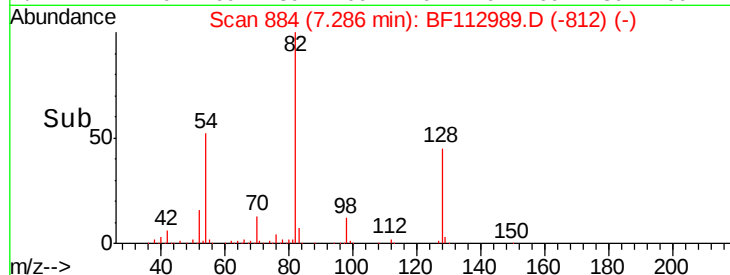
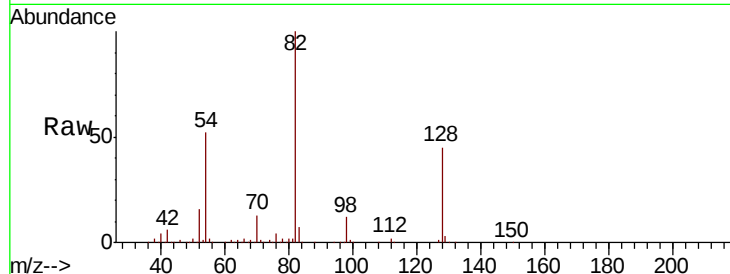
65 29.9 10.5 50.5

66 49.3 22.6 62.6



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

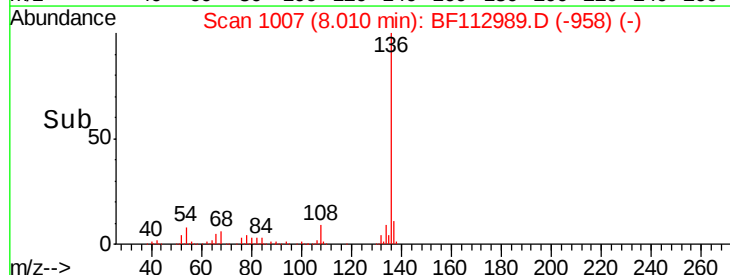
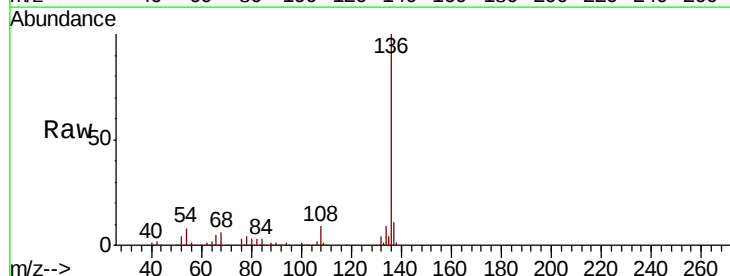
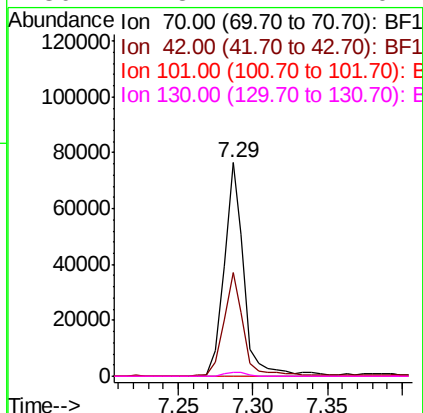




#19
n-Nitroso-di-n-propylamine
Concen: 10.083 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.12 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

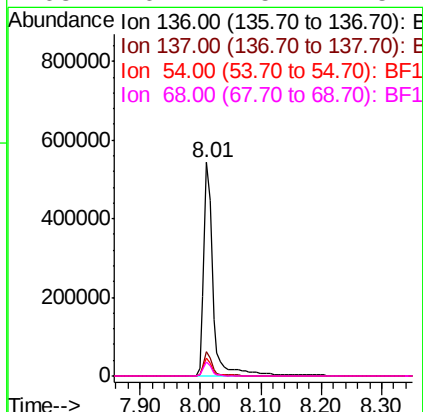
Instrument :
BNA_F
ClientSampleId :

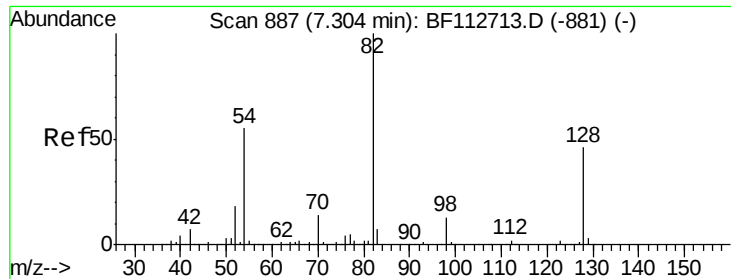
Tot Ion: 70 Resp: 71767
Ion Ratio Lower Upper
70 100
42 48.3 49.9 74.9#
101 0.0 7.4 11.2#
130 1.8 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

Tgt Ion: 136 Resp: 587838
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 8.5 7.3 10.9
68 6.4 5.4 8.2

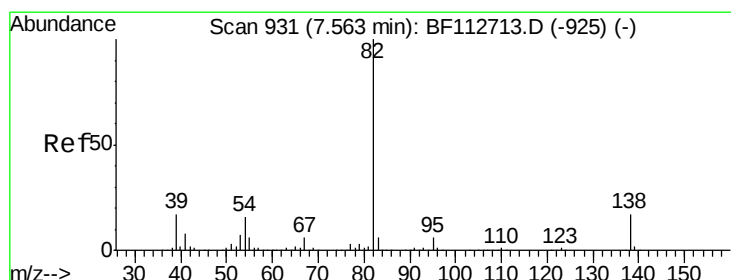
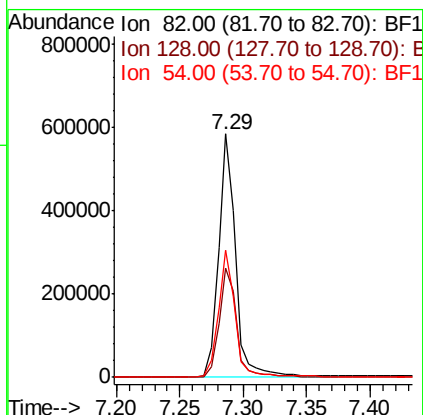
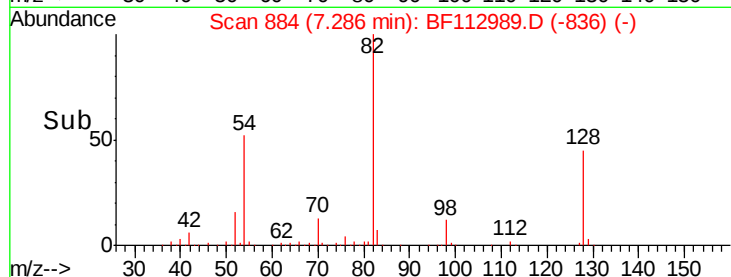
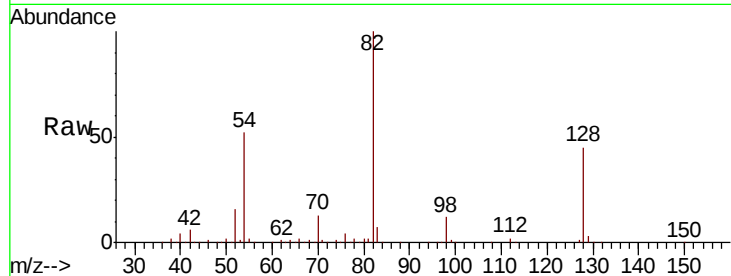




#23
Nitrobenzene-d5
Concen: 56.760 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

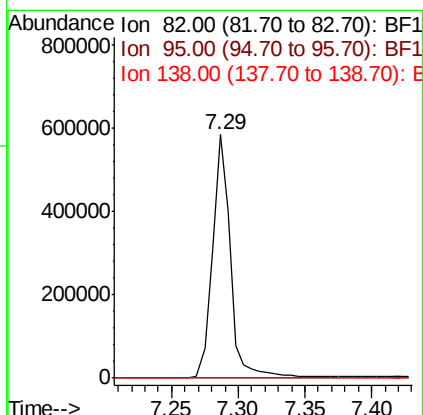
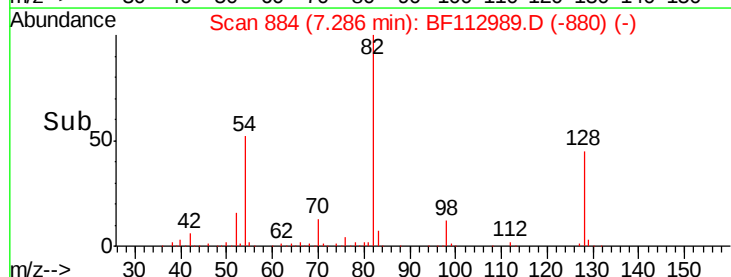
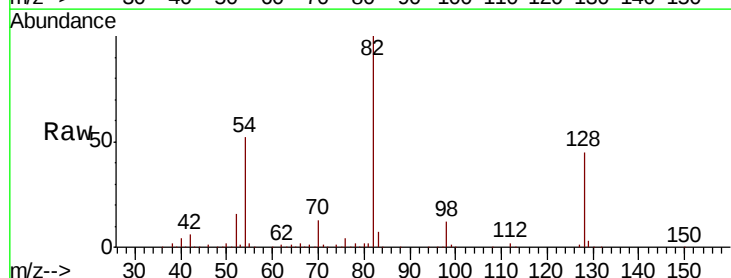
Instrument :
BNA_F
ClientSampleId :

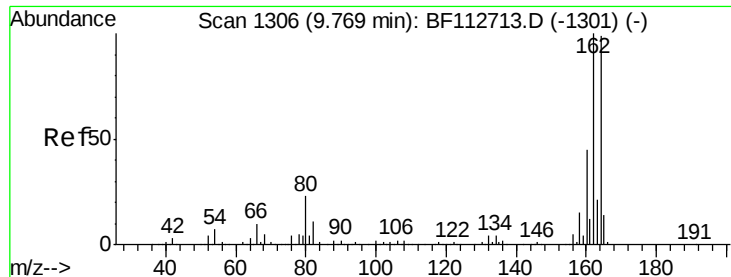
Tot Ion	82	Resp	557605
Ion Ratio	Lower	Upper	
82	100		
128	45.1	36.3	54.5
54	52.2	43.7	65.5



#25
Isophorone
Concen: 26.346 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.28 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

Tgt Ion	82	Resp	557596
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	13.8	20.8#

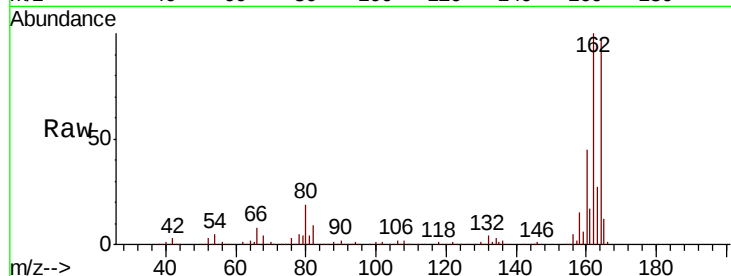




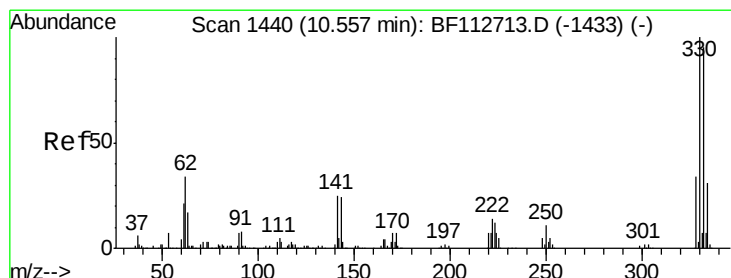
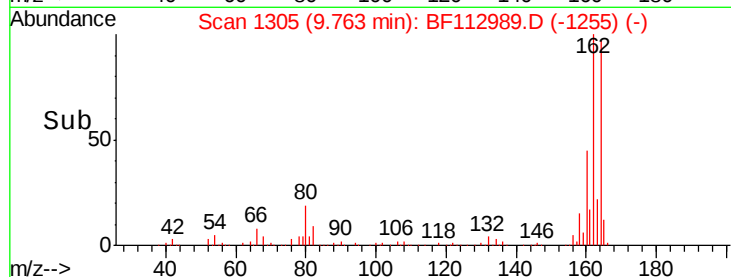
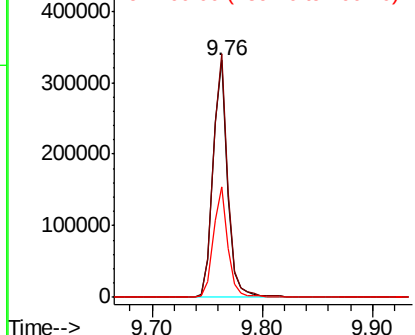
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF112989.D
 Acq: 12 Mar 2019 7:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	80.6	120.8
160	46.8	36.0	54.0

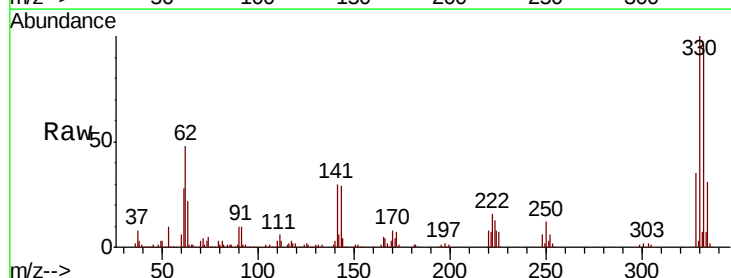


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

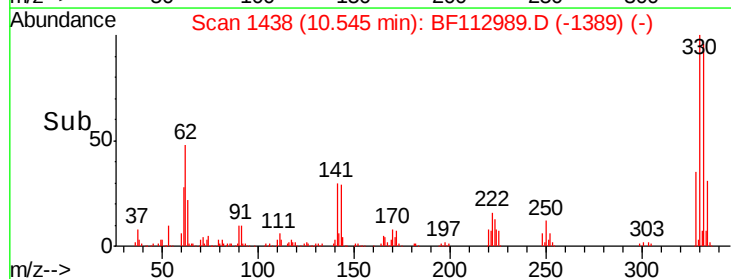
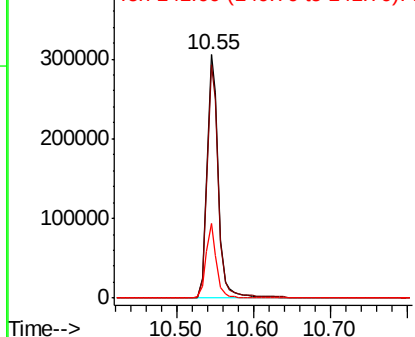


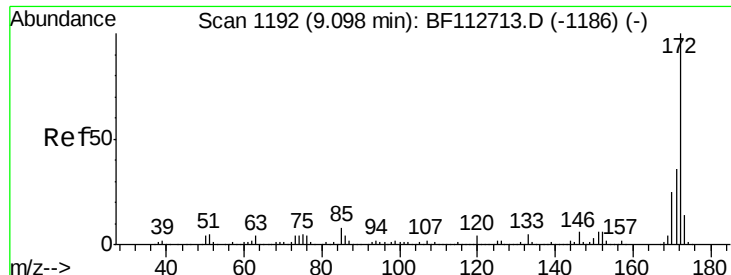
#42
 2,4,6-Tribromophenol
 Concen: 98.238 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112989.D
 Acq: 12 Mar 2019 7:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.2	114.4
141	28.5	27.0	40.6



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

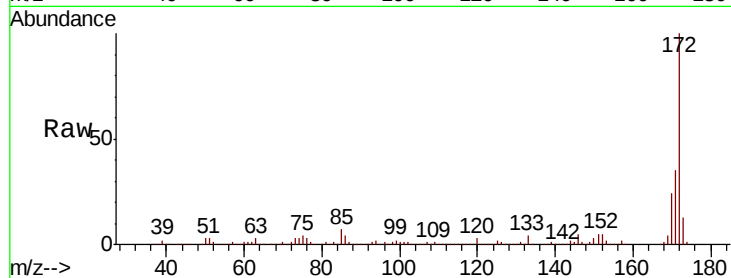




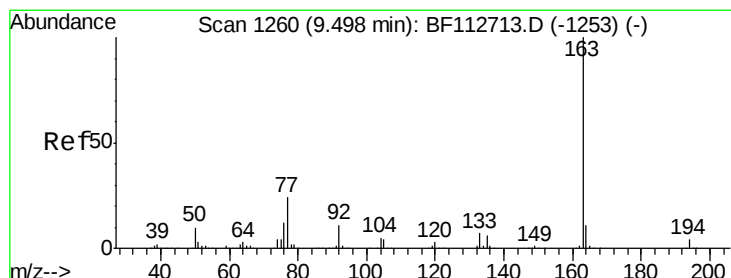
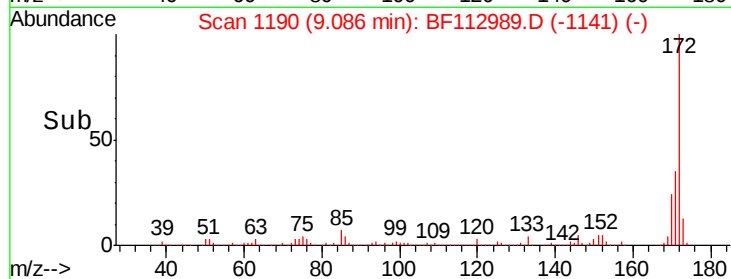
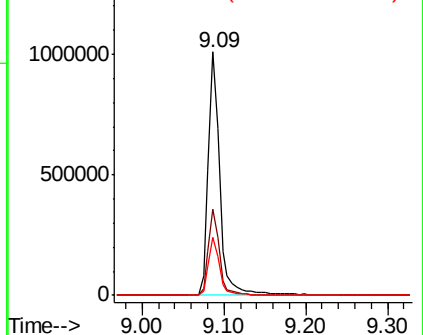
#45
 2-Fluorobiphenyl
 Concen: 49.318 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112989.D
 Acq: 12 Mar 2019 7:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.0	43.4
170	23.7	20.0	30.0

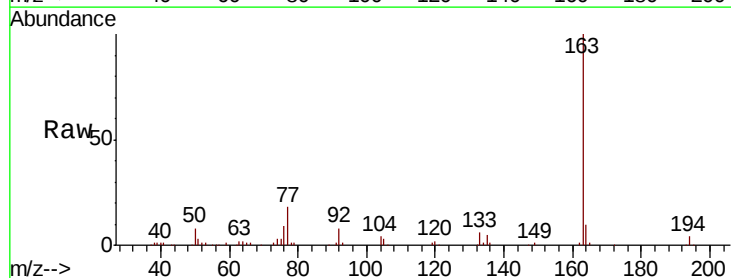


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

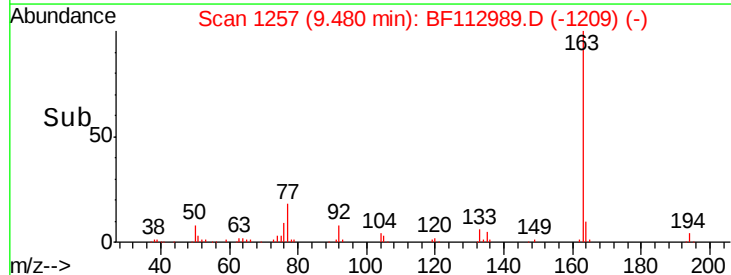
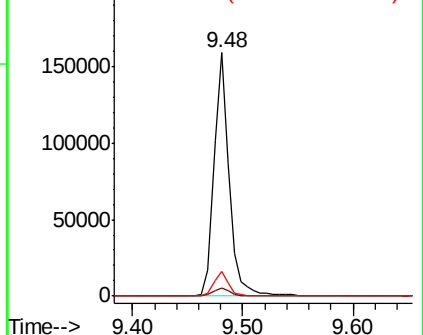


#50
 Dimethylphthalate
 Concen: 6.789 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.02 min
 Lab File: BF112989.D
 Acq: 12 Mar 2019 7:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	10.1	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

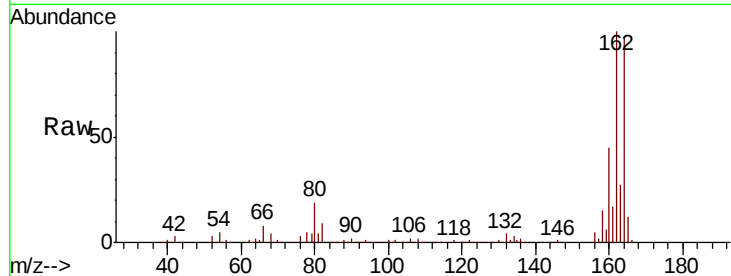




#57
 2,4-Dinitrotoluene
 Concen: 6.696 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.19 min
 Lab File: BF112989.D
 Acq: 12 Mar 2019 7:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	42.2	63.2#
89	1.3	66.2	99.4#
182	0.0	1.8	2.6#



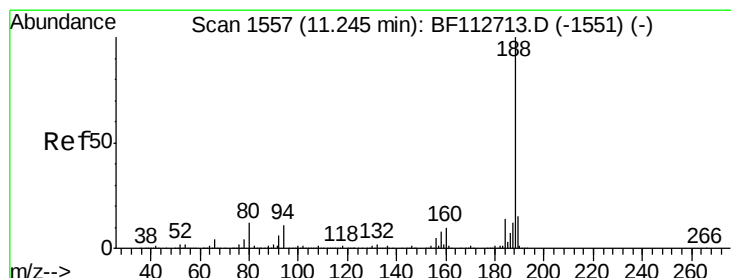
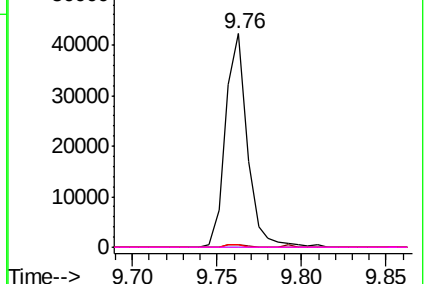
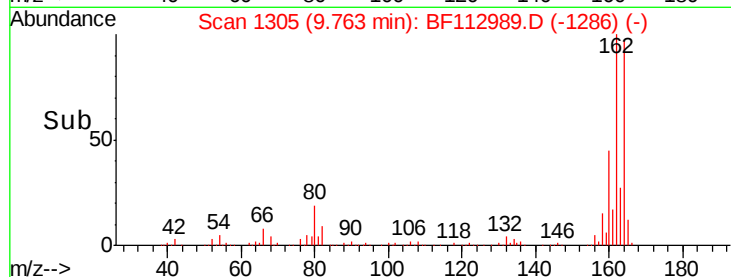
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

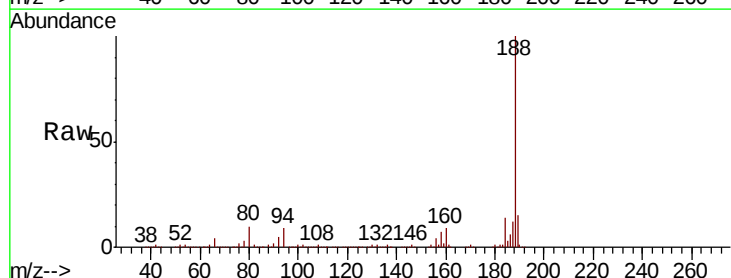
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF112989.D
 Acq: 12 Mar 2019 7:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.0	13.4
80	9.5	9.2	13.8

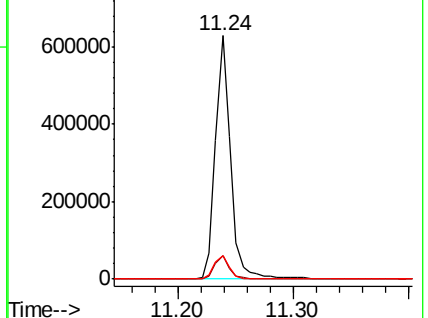
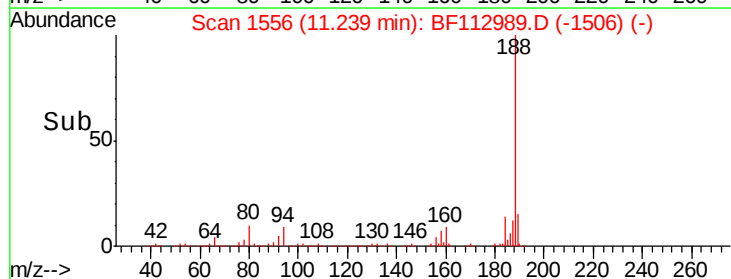


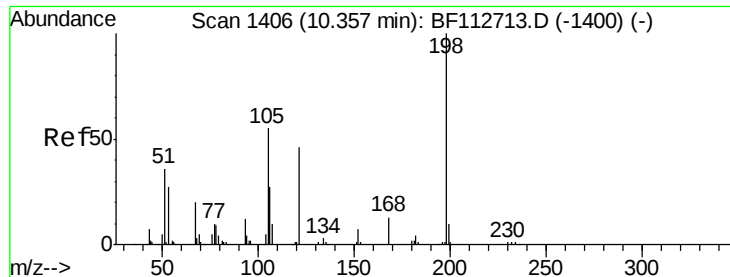
Abundance

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

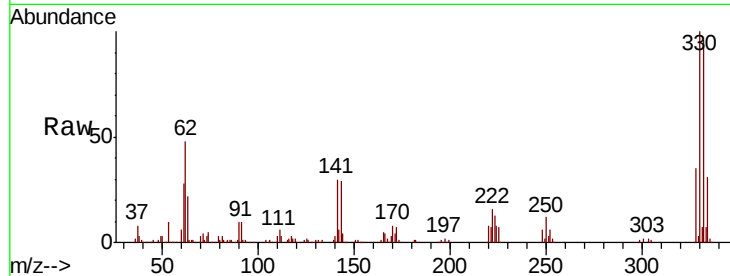




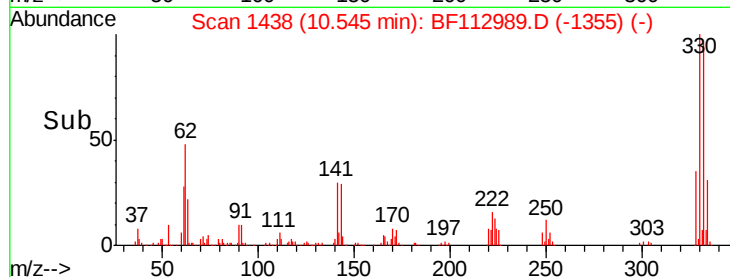
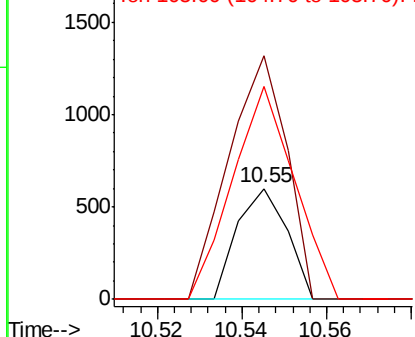
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.801 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF112989.D
 Acq: 12 Mar 2019 7:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 490
 Ion Ratio Lower Upper
 198 100
 51 220.0 43.8 83.8#
 105 192.8 36.5 76.5#

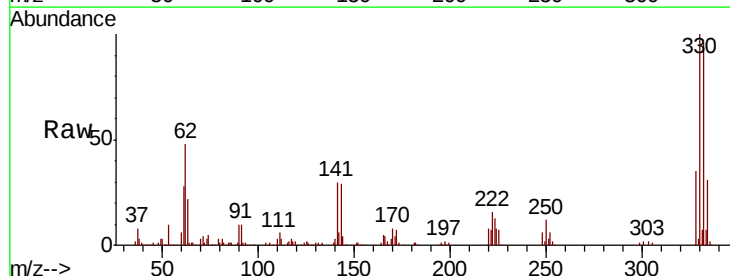


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

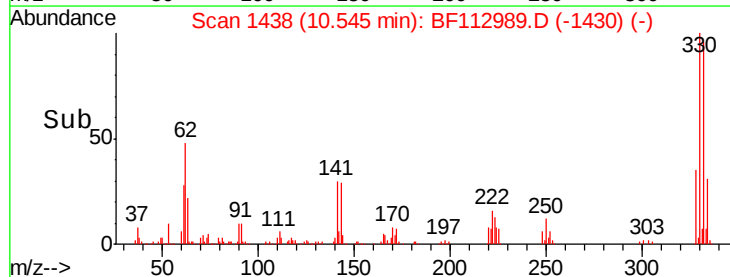
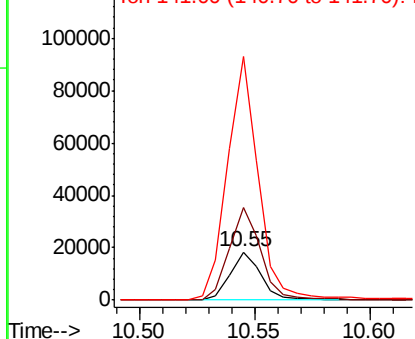


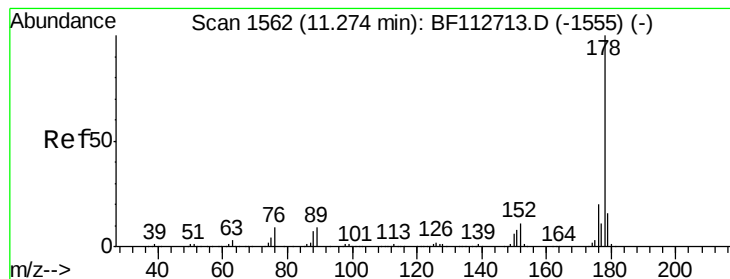
#67
 4-Bromophenyl-phenylether
 Concen: 2.832 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112989.D
 Acq: 12 Mar 2019 7:34

Tgt Ion:248 Resp: 17080
 Ion Ratio Lower Upper
 248 100
 250 194.4 77.5 116.3#
 141 508.6 62.4 93.6#



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





#71

Phenanthrene

Concen: 2.185 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF112989.D

Acq: 12 Mar 2019 7:34

Instrument :

BNA_F

ClientSampleId :

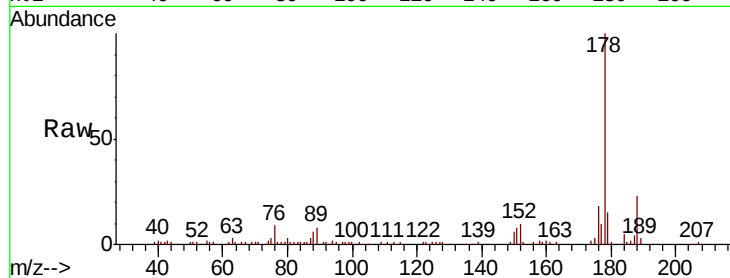
Tot Ion:178 Resp: 62241

Ion Ratio Lower Upper

178 100

176 18.0 16.3 24.5

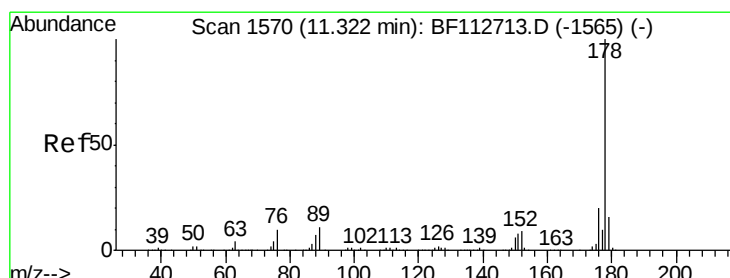
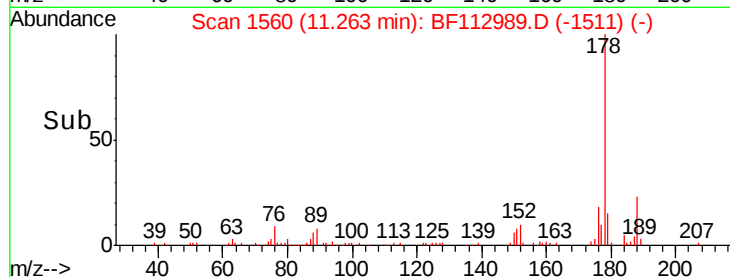
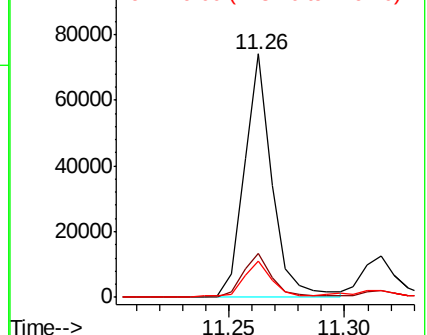
179 15.1 12.7 19.1



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



#72

Anthracene

Concen: 2.087 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.06 min

Lab File: BF112989.D

Acq: 12 Mar 2019 7:34

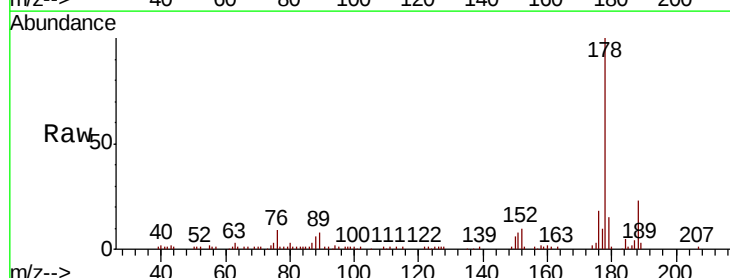
Tgt Ion:178 Resp: 62241

Ion Ratio Lower Upper

178 100

176 18.0 15.8 23.6

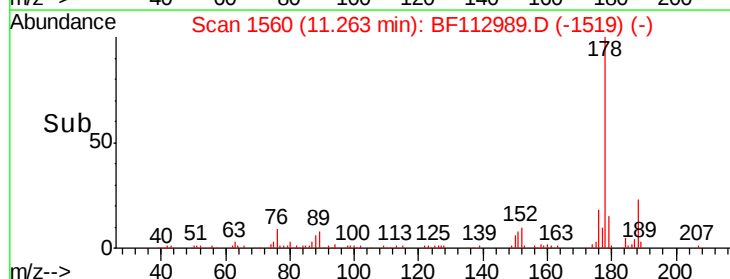
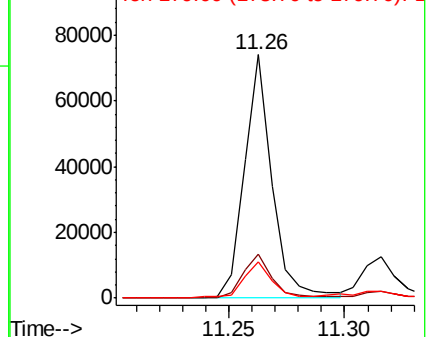
179 15.1 13.0 19.6

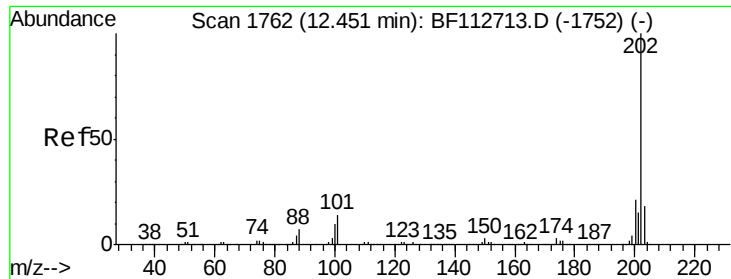


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 2.780 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112989.D

Acq: 12 Mar 2019 7:34

Instrument :

BNA_F

ClientSampleId :

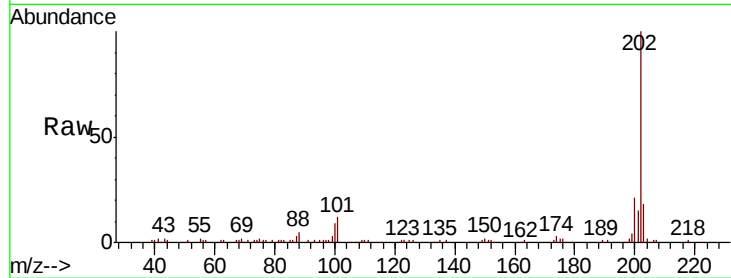
Tot Ion:202 Resp: 84856

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.8

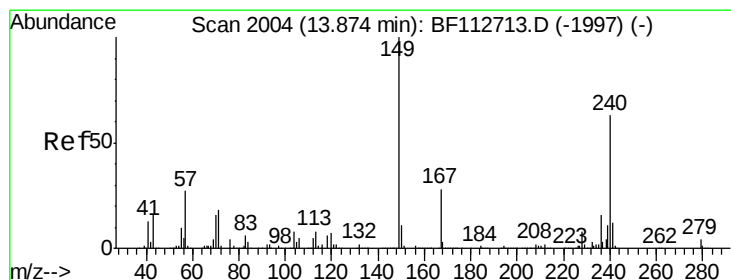
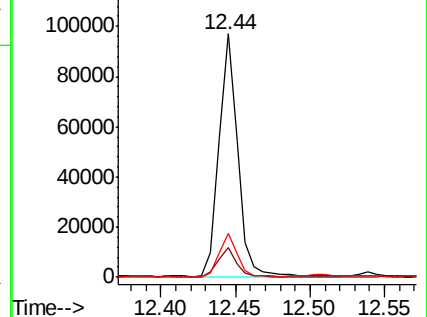
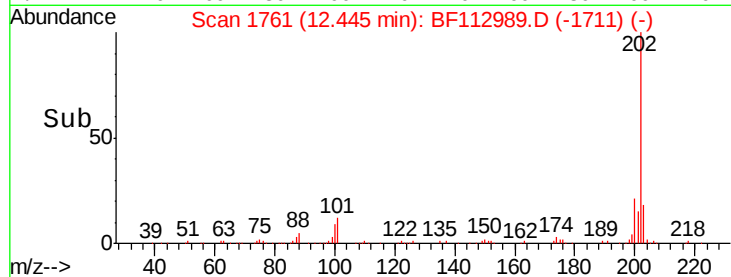
203 17.9 0.0 38.4



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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF112989.D

Acq: 12 Mar 2019 7:34

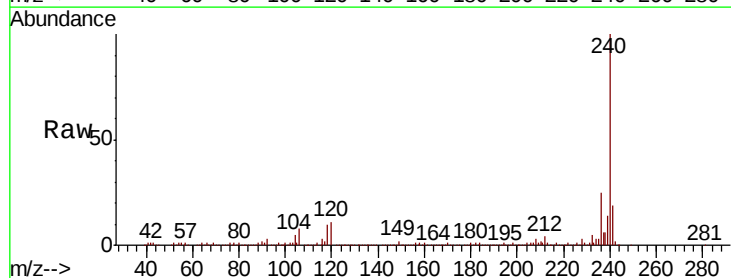
Tgt Ion:240 Resp: 405271

Ion Ratio Lower Upper

240 100

120 11.5 8.9 13.3

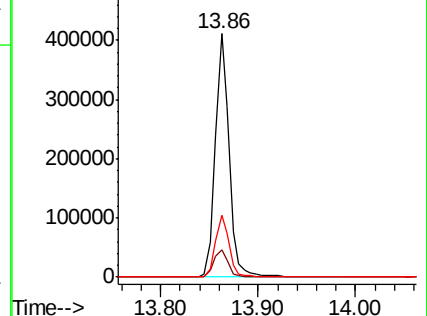
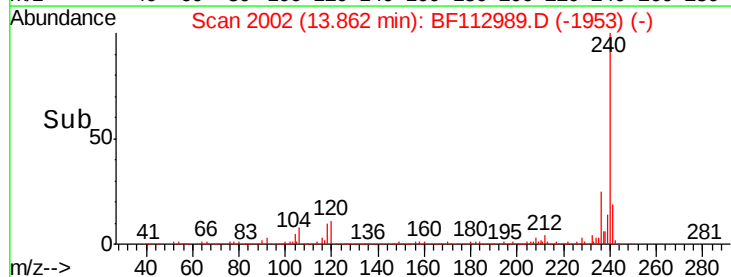
236 25.3 20.7 31.1

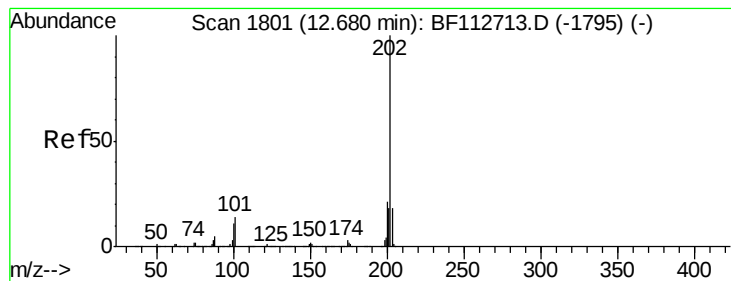


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.220 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF112989.D

Acq: 12 Mar 2019 7:34

Instrument :

BNA_F

ClientSampleId :

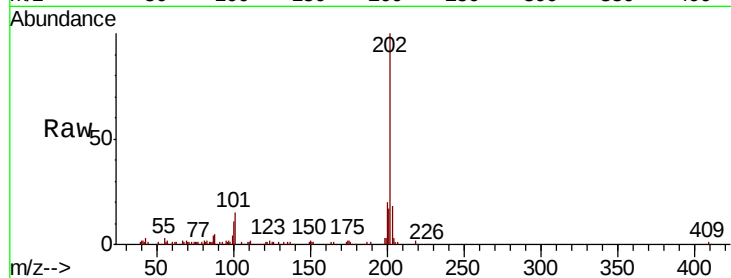
Tot Ion:202 Resp: 75851

Ion Ratio Lower Upper

202 100

200 19.5 17.0 25.4

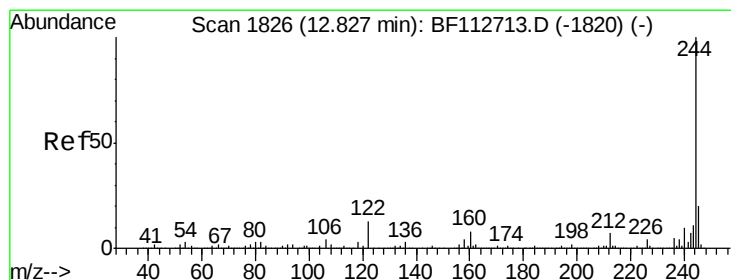
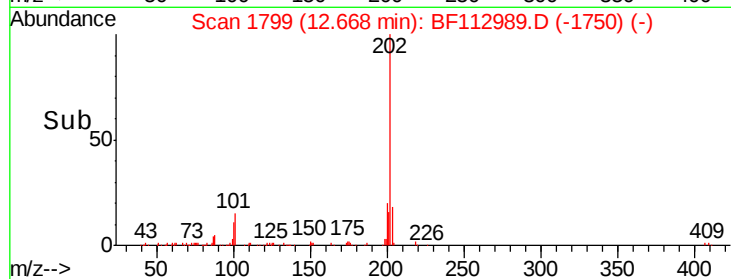
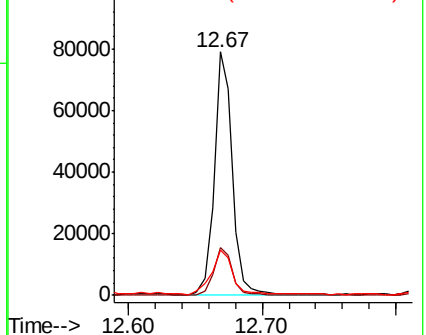
203 18.4 14.4 21.6



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: 42.626 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF112989.D

Acq: 12 Mar 2019 7:34

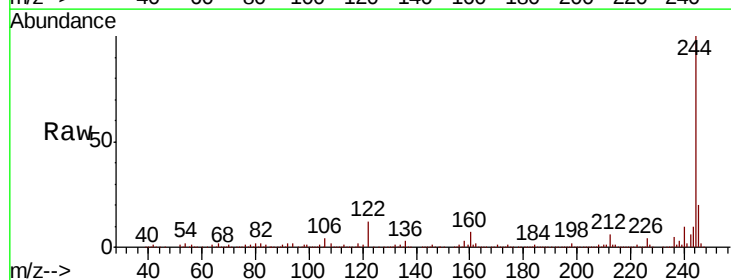
Tgt Ion:244 Resp: 891160

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

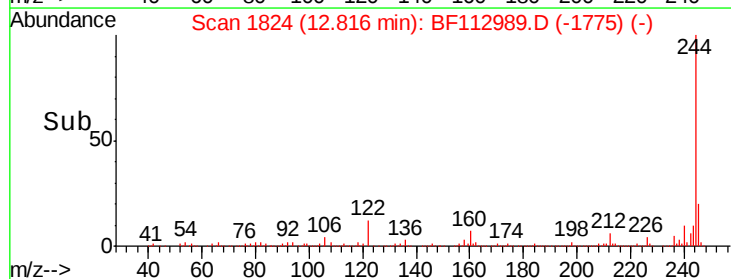
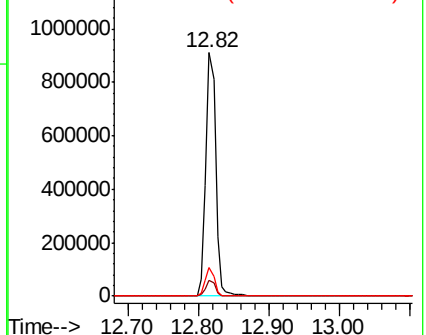
122 11.8 10.5 15.7

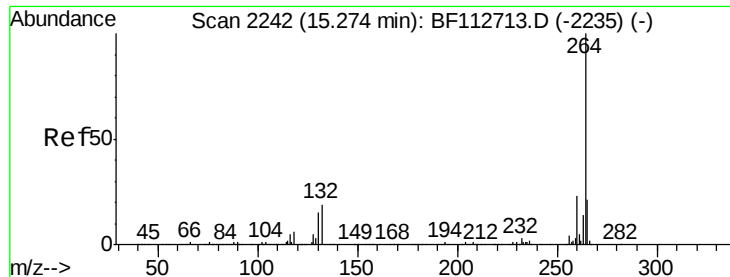


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

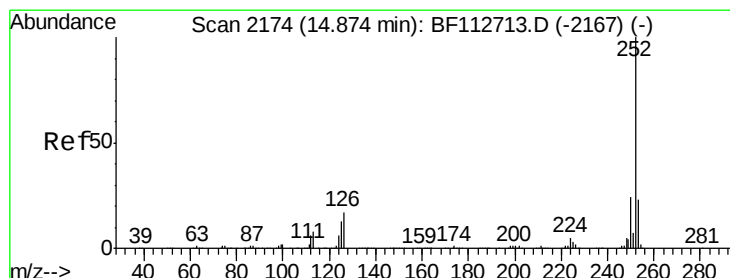
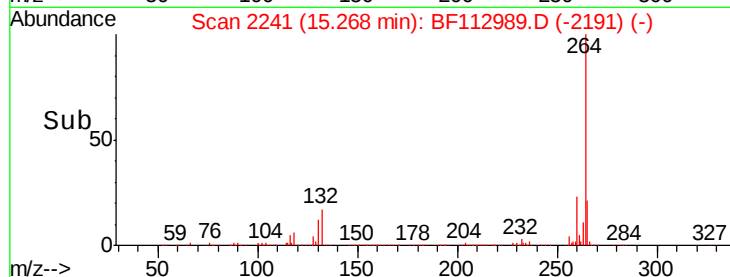
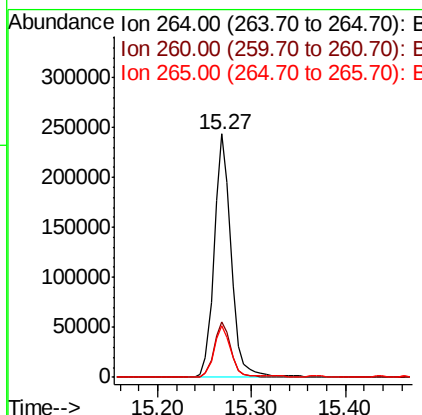
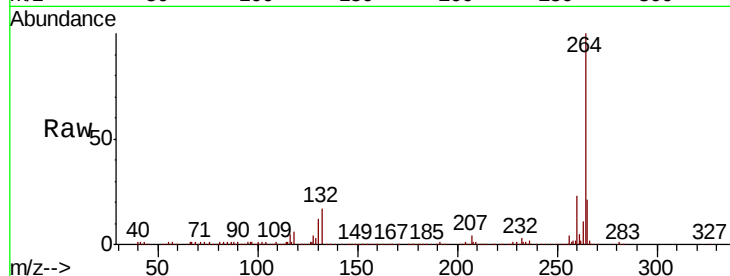




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

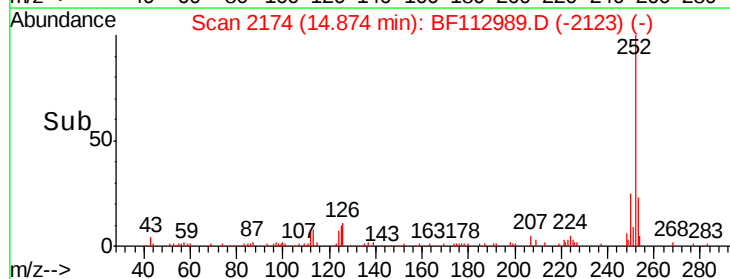
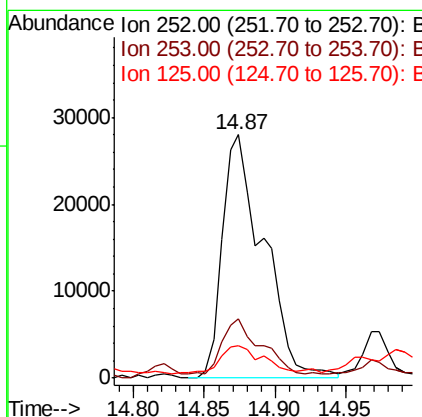
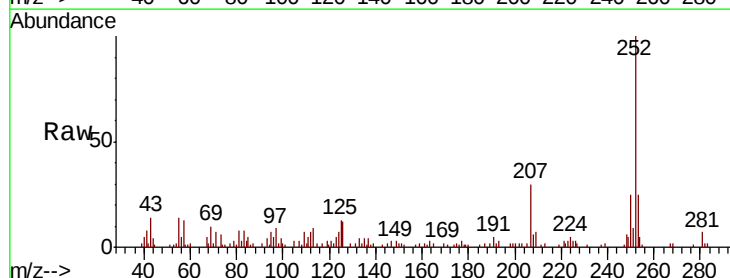
Instrument :
BNA_F
ClientSampleId :

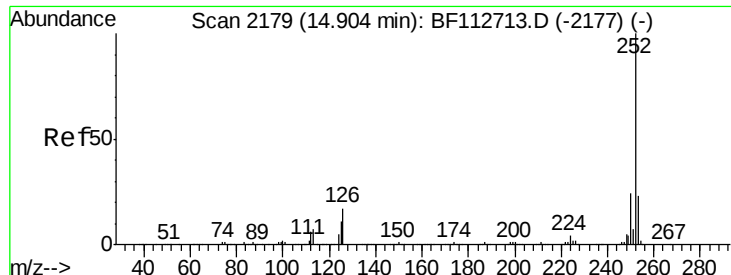
Tot Ion:264 Resp: 311376
Ion Ratio Lower Upper
264 100
260 22.9 18.7 28.1
265 21.4 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 2.830 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

Tgt Ion:252 Resp: 57001
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 13.3 10.2 15.2





#89
 Benzo(k)fluoranthene
 Concen: 3.124 ng
 RT: 14.87 min Scan# 2174
 Delta R.T. -0.03 min
 Lab File: BF112989.D
 Acq: 12 Mar 2019 7:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.2
125	13.3	9.8	14.6

