

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114960.D
 Acq On : 11 Jun 2019 22:54
 Operator : HP/JU
 Sample : K3247-03RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 12 04:33:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 16:44:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	274409	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	1041373	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	477262	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	797603	20.00	ng	0.00
76) Chrysene-d12	13.79	240	601607	20.00	ng	0.00
87) Perylene-d12	15.17	264	504011	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	1572985	97.01	ng	0.00
7) Phenol-d6	6.31	99	1951114	99.76	ng	0.00
23) Nitrobenzene-d5	7.22	82	1186520	70.01	ng	0.00
42) 2,4,6-Tribromophenol	10.47	330	431645	83.14	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	2004153	66.65	ng	0.00
79) Terphenyl-d14	12.74	244	1710586	56.55	ng	0.00

Target Compounds

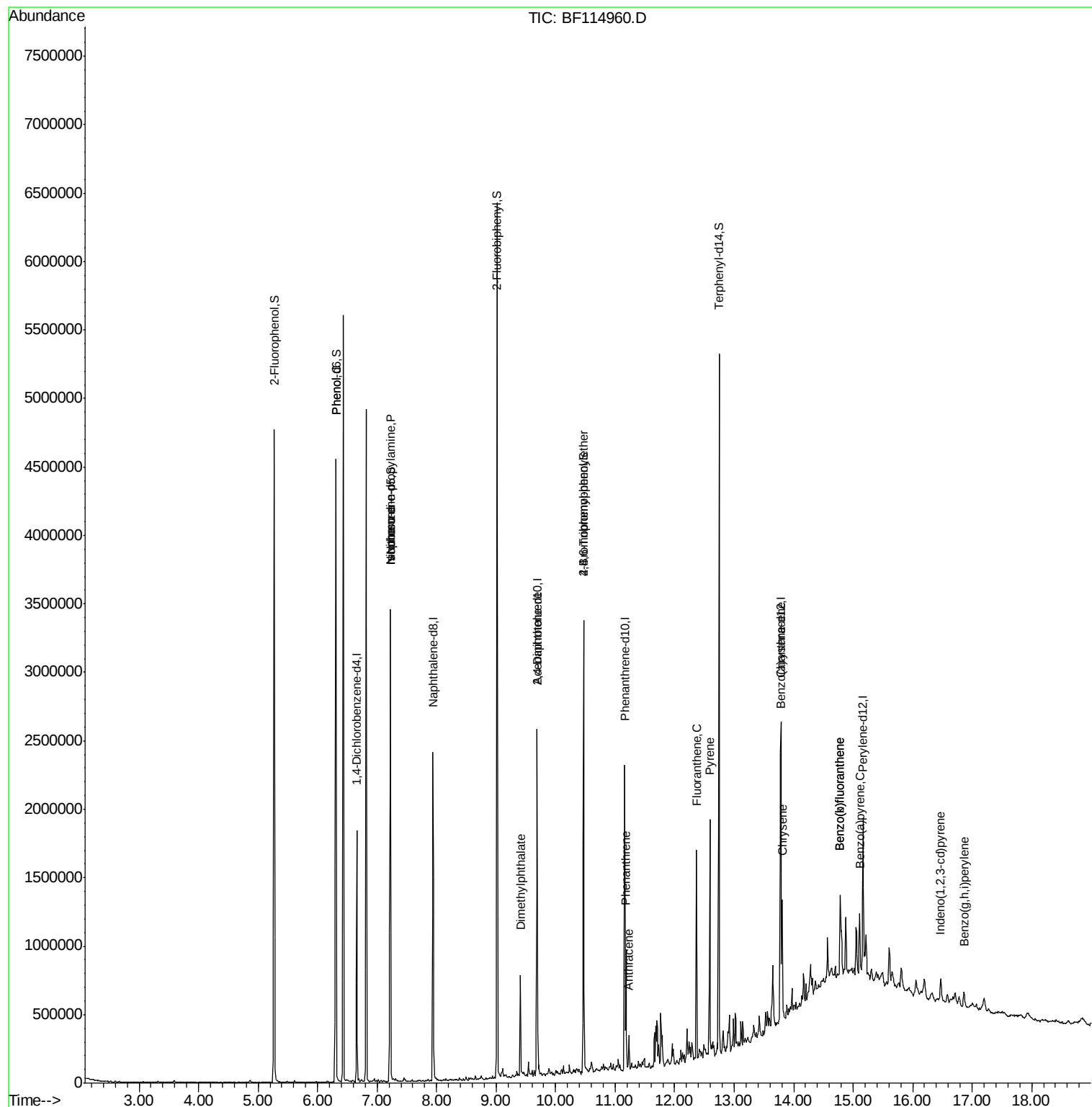
						Qvalue
10) Phenol	6.32	94	54205	2.486	ng	# 73
19) n-Nitroso-di-n-propylamine	7.22	70	158125	12.930	ng	# 76
25) Isophorone	7.22	82	1170453	35.266	ng	# 62
50) Dimethylphthalate	9.41	163	304711	8.495	ng	97
57) 2,4-Dinitrotoluene	9.69	165	64206	6.165	ng	# 27
67) 4-Bromophenyl-phenylether	10.47	248	28468	3.295	ng	# 1
71) Phenanthrene	11.19	178	322143	8.325	ng	95
72) Anthracene	11.23	178	85468	2.176	ng	95
75) Fluoranthene	12.37	202	616631	15.406	ng	95
78) Pyrene	12.59	202	665088	12.694	ng	96
81) Benzo(a)anthracene	13.77	228	366274	8.234	ng	97
83) Chrysene	13.81	228	319751	7.158	ng	97
86) Indeno(1,2,3-cd)pyrene	16.47	276	106085	2.526	ng	93
88) Benzo(b)fluoranthene	14.78	252	417561	12.726	ng	97
89) Benzo(k)fluoranthene	14.78	252	417561	14.663	ng	# 97
90) Benzo(a)pyrene	15.11	252	209190	7.340	ng	97
92) Benzo(a,h,i)perylene	16.86	276	94898	3.955	ng	97

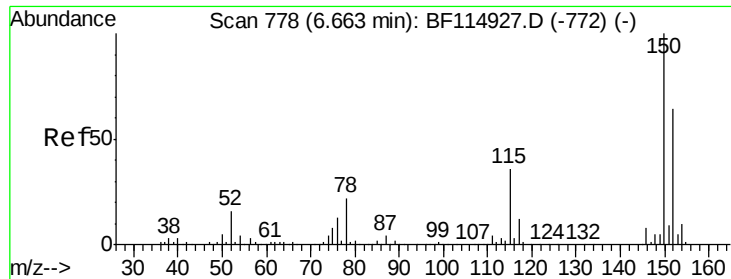
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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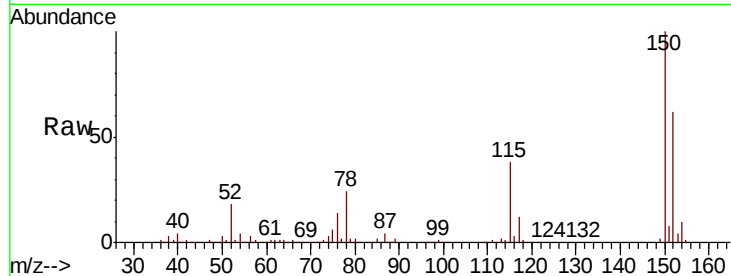


#1

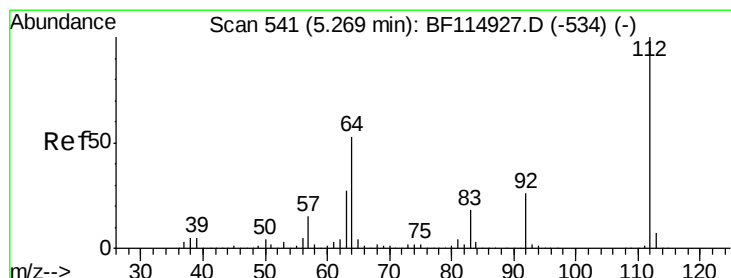
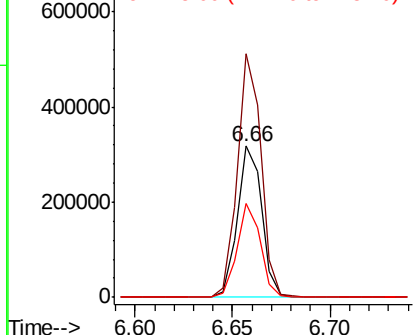
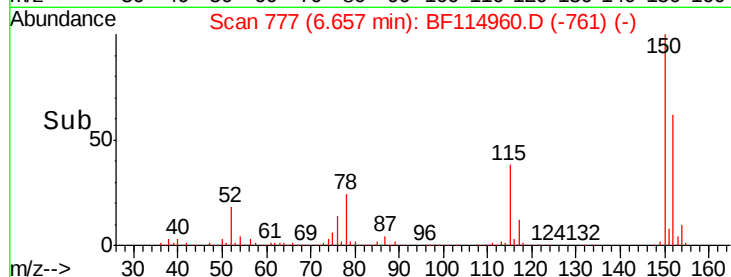
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 274409
Ion Ratio Lower Upper
152 100
150 161.3 125.2 187.8
115 62.0 45.0 67.4



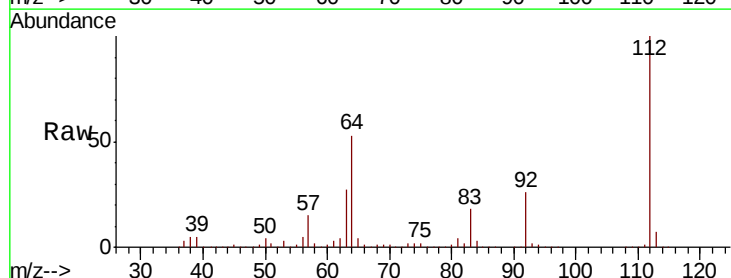
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



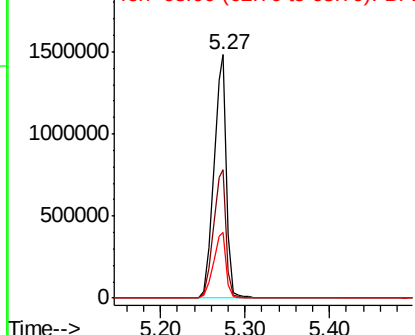
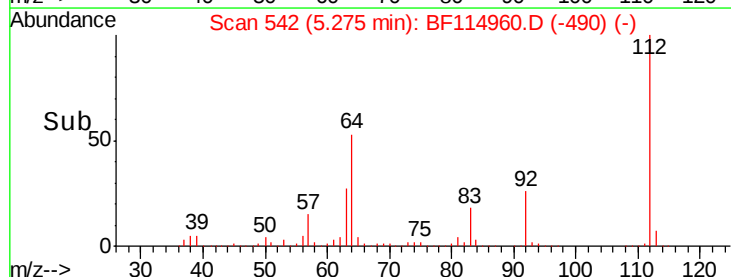
#5

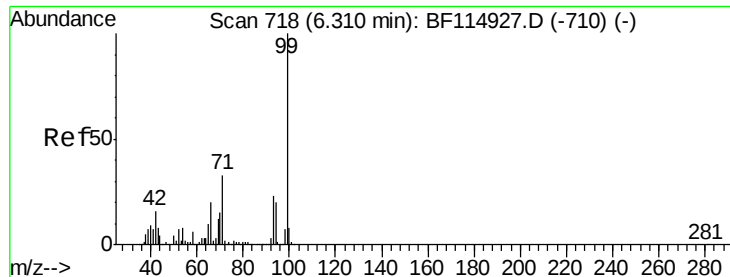
2-Fluorophenol
Concen: 97.014 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Tgt Ion:112 Resp: 1572985
Ion Ratio Lower Upper
112 100
64 52.6 42.1 63.1
63 27.1 21.8 32.8



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: 99.764 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.00 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

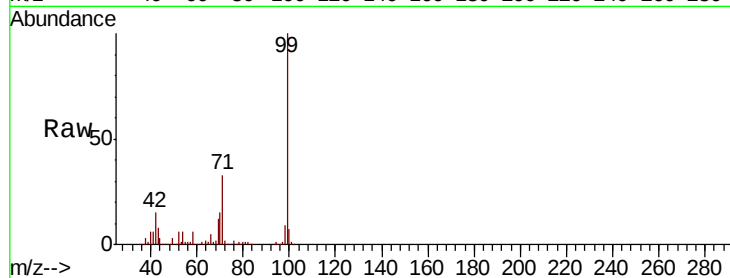
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1951114

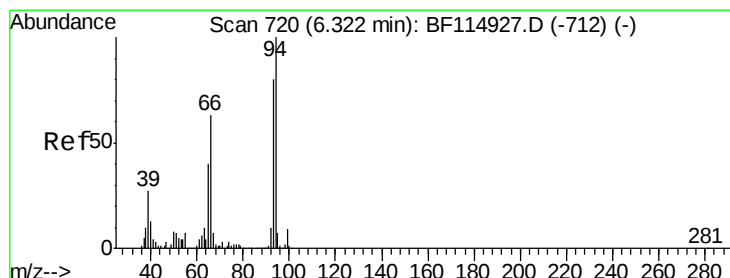
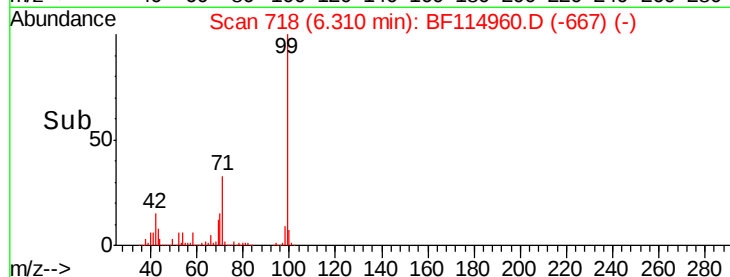
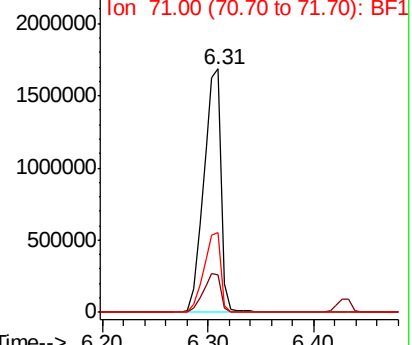
Ion	Ratio	Lower	Upper
99	100		
42	15.5	13.1	19.7
71	32.7	26.8	40.2



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: 2.486 ng

RT: 6.32 min Scan# 719

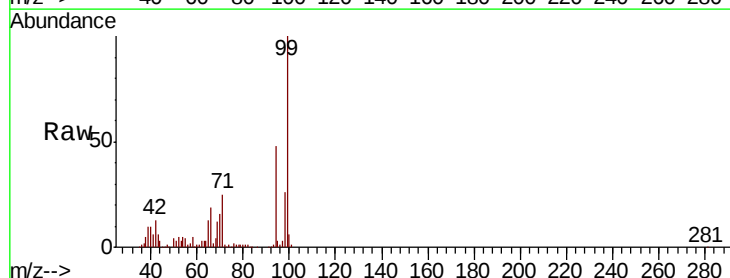
Delta R.T. -0.01 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

Tgt Ion: 94 Resp: 54205

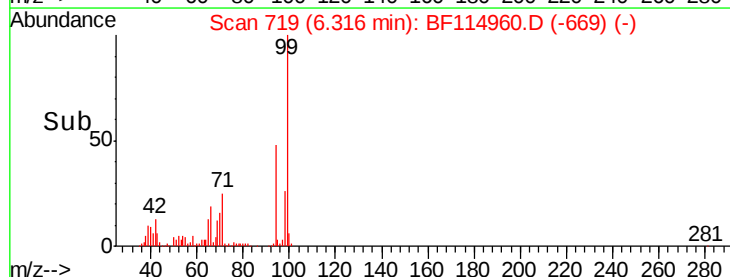
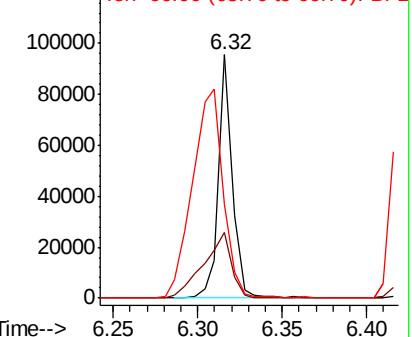
Ion	Ratio	Lower	Upper
94	100		
65	27.2	19.6	59.6
66	38.8	42.6	82.6#

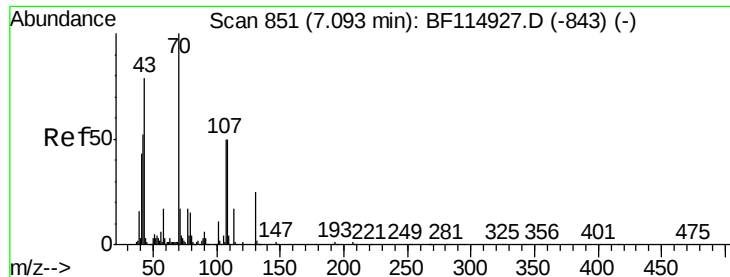


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

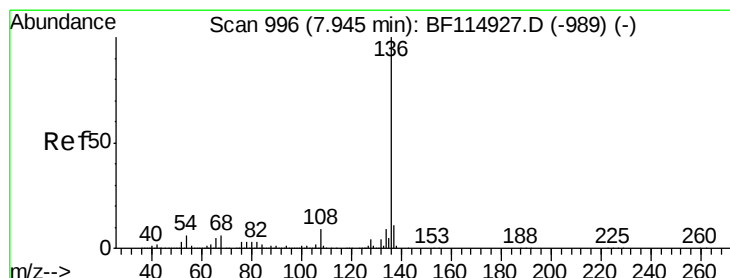
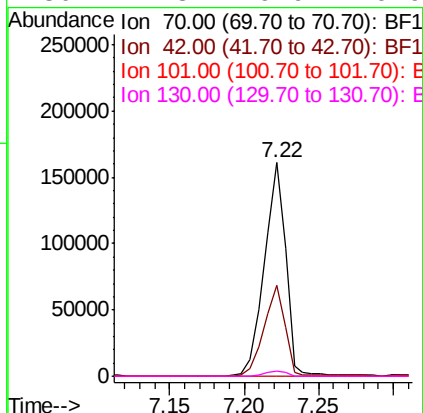
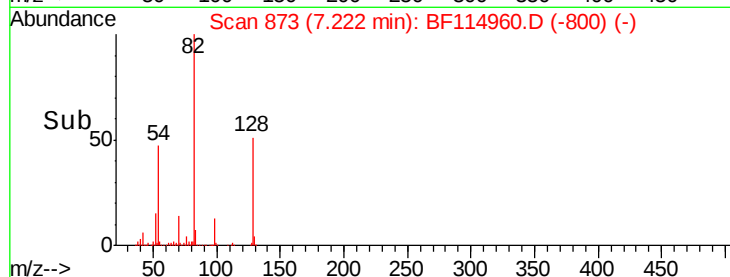
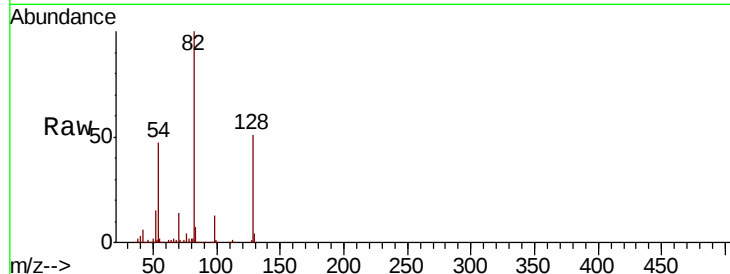




#19
n-Nitroso-di-n-propylamine
Concen: 12.930 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.13 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

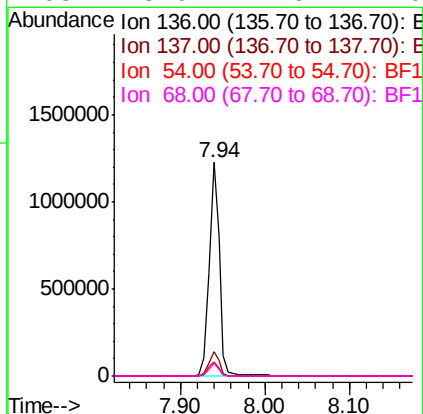
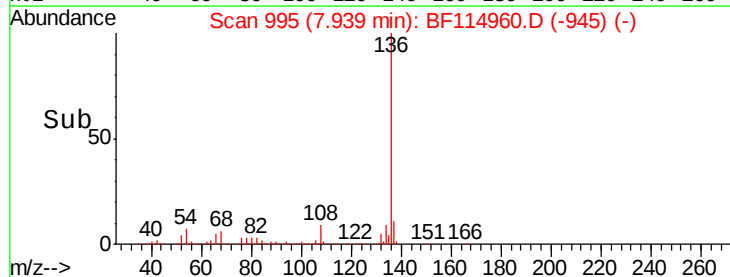
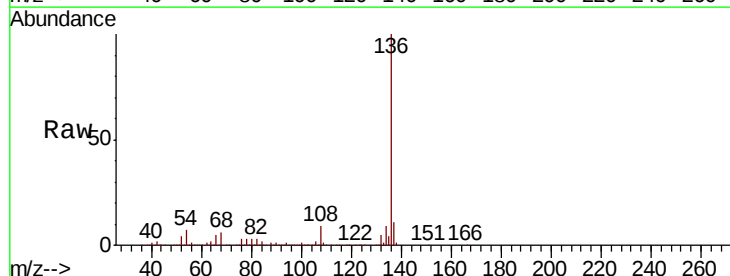
Instrument :
BNA_F
ClientSampleId :

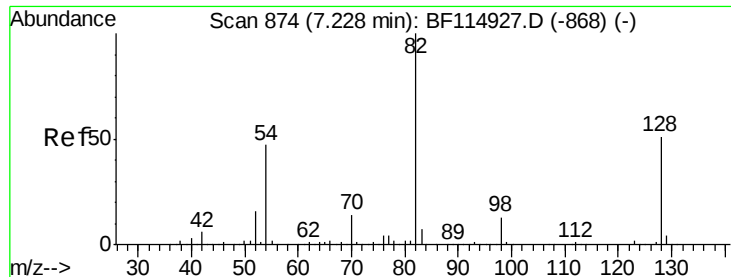
Tot Ion:	70	Resp:	158125
Ion	Ratio	Lower	Upper
70	100		
42	42.8	41.7	62.5
101	0.0	8.4	12.6#
130	2.3	19.9	29.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Tgt Ion:	136	Resp:	1041373
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	6.8	5.2	7.8
68	5.9	4.6	7.0

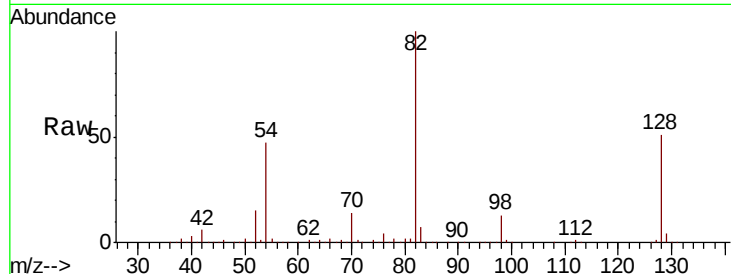




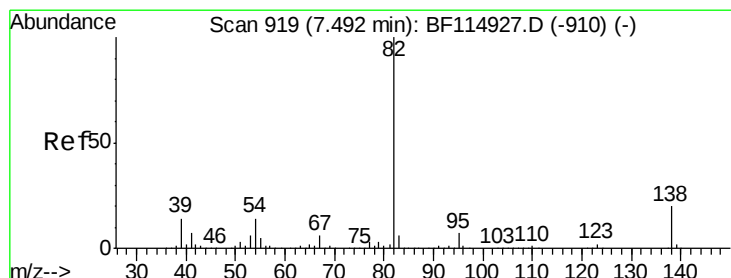
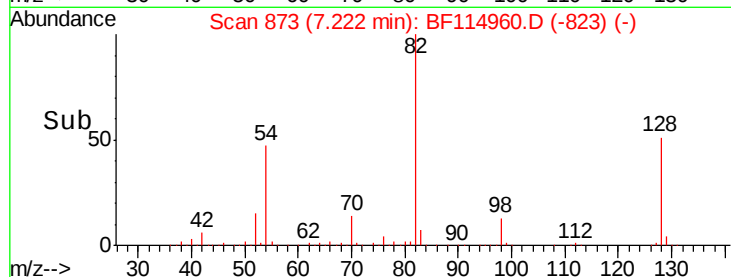
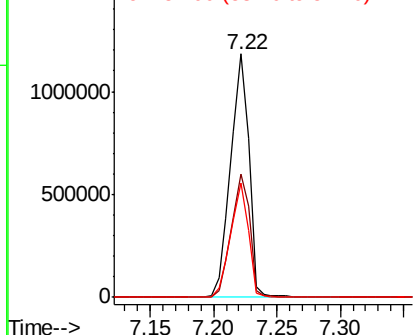
#23
 Nitrobenzene-d5
 Concen: 70.006 ng
 RT: 7.22 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: BF114960.D
 Acq: 11 Jun 2019 22:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 1186520
 Ion Ratio Lower Upper
 82 100
 128 50.6 40.9 61.3
 54 47.2 37.4 56.0

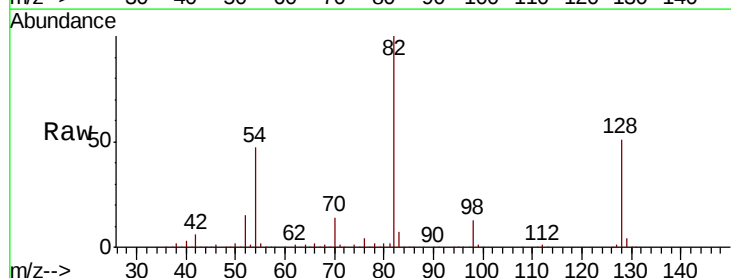


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

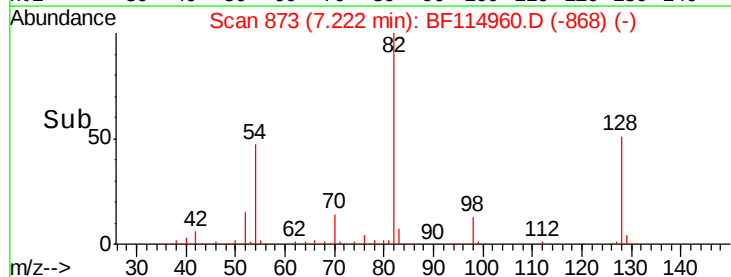
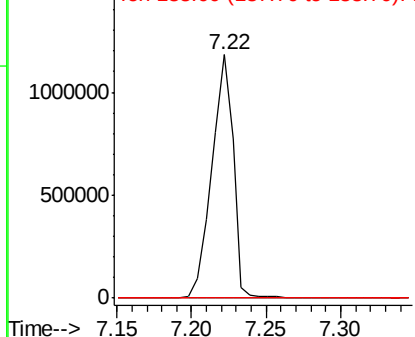


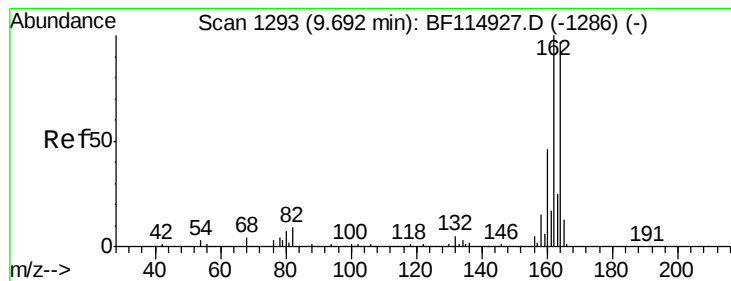
#25
 Isophorone
 Concen: 35.266 ng
 RT: 7.22 min Scan# 873
 Delta R.T. -0.27 min
 Lab File: BF114960.D
 Acq: 11 Jun 2019 22:54

Tgt Ion: 82 Resp: 1170453
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.7 8.5#
 138 0.0 16.4 24.6#



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: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

Instrument :

BNA_F

ClientSampleId :

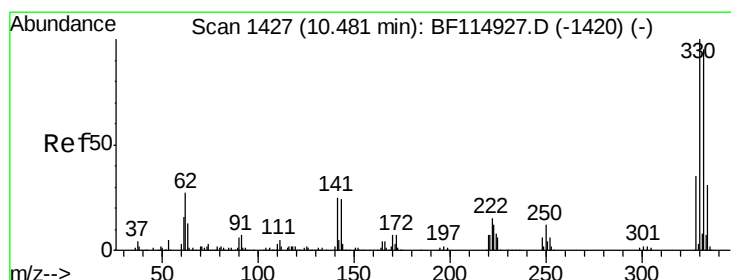
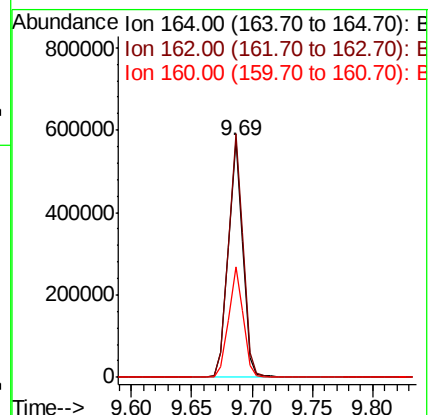
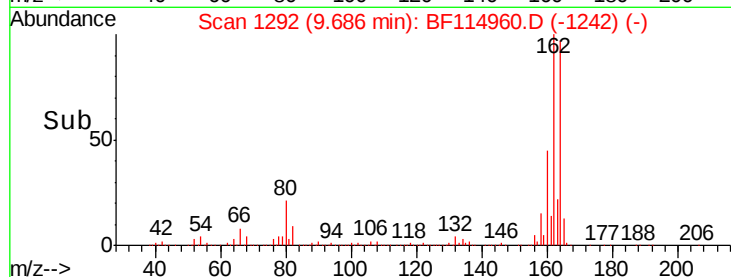
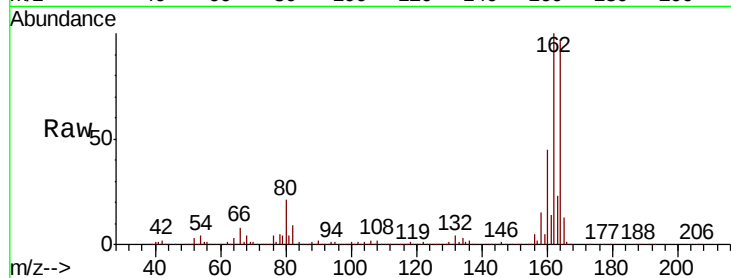
Tot Ion:164 Resp: 477262

Ion Ratio Lower Upper

164 100

162 102.7 82.4 123.6

160 46.4 37.5 56.3



#42

2,4,6-Tribromophenol

Concen: 83.141 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

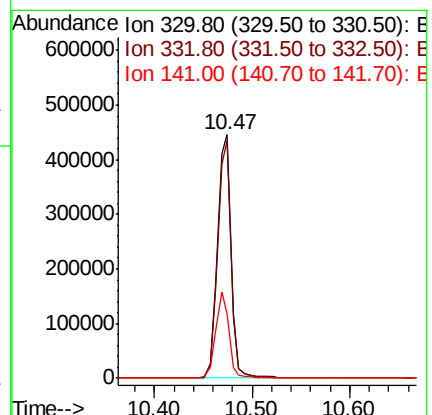
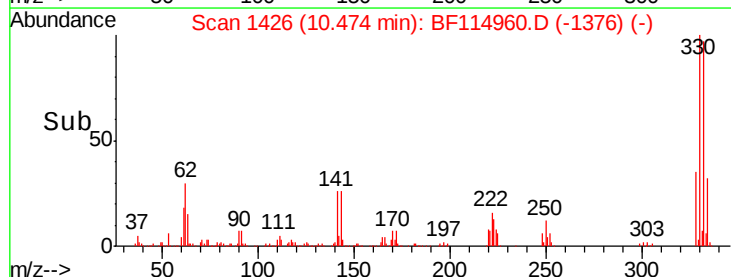
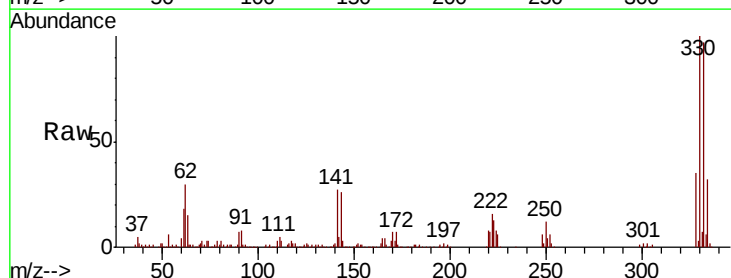
Tgt Ion:330 Resp: 431645

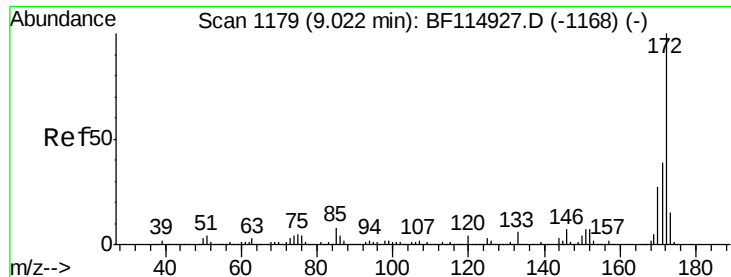
Ion Ratio Lower Upper

330 100

332 96.5 76.4 114.6

141 34.0 26.8 40.2

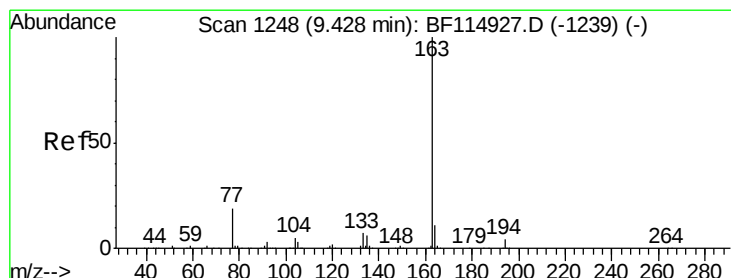
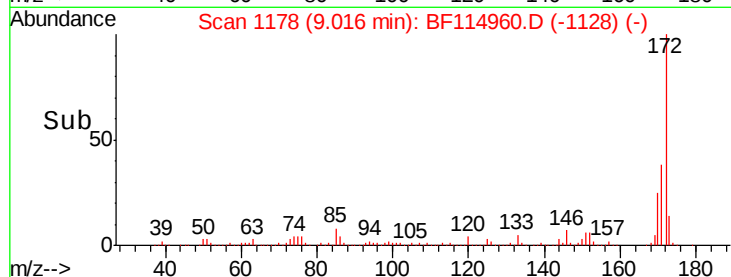
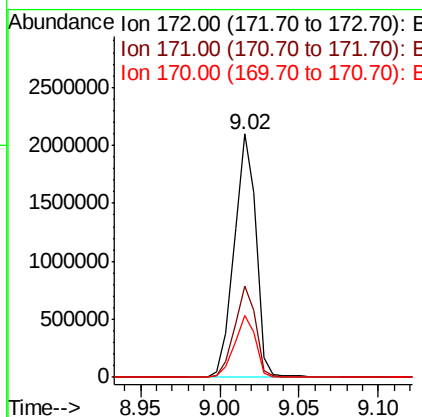
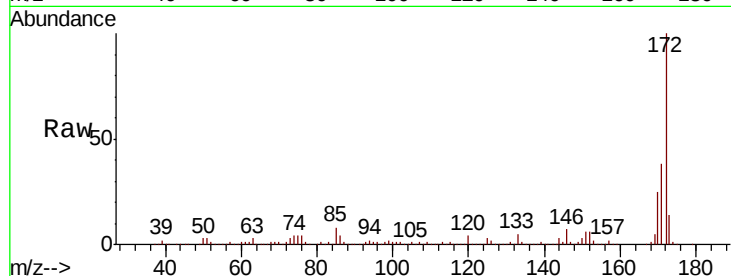




#45
2-Fluorobiphenyl
Concen: 66.645 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

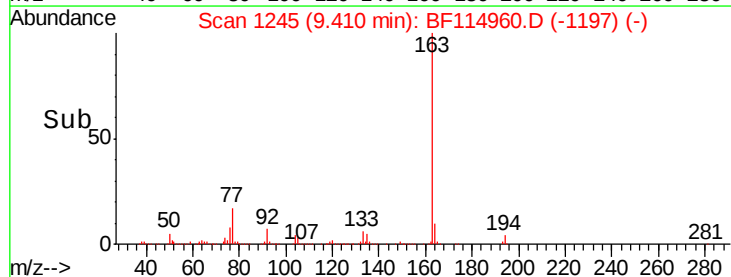
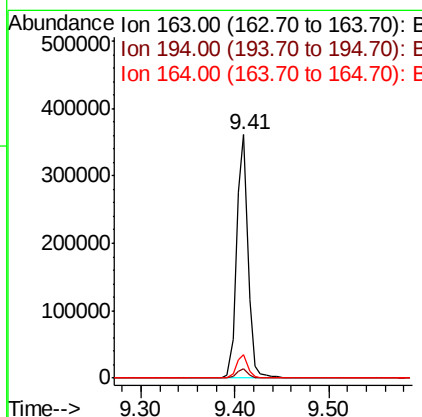
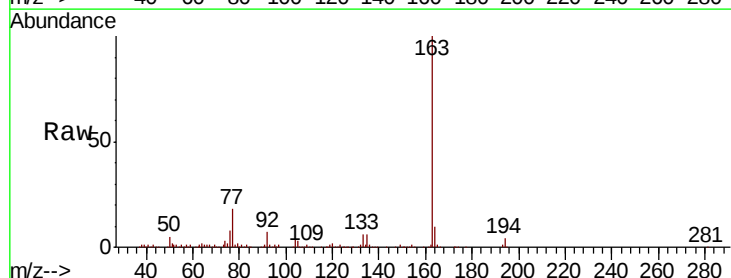
Instrument :
BNA_F
ClientSampleId :

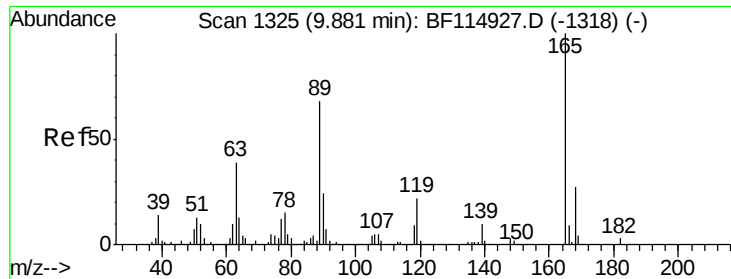
Tot Ion:172 Resp: 2004153
Ion Ratio Lower Upper
172 100
171 37.6 31.3 46.9
170 25.4 21.4 32.0



#50
Dimethylphthalate
Concen: 8.495 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Tgt Ion:163 Resp: 304711
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 9.7 8.7 13.1

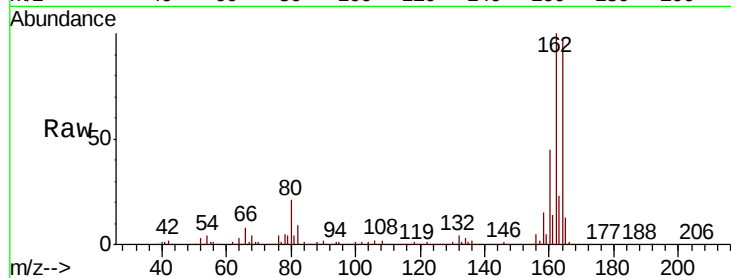




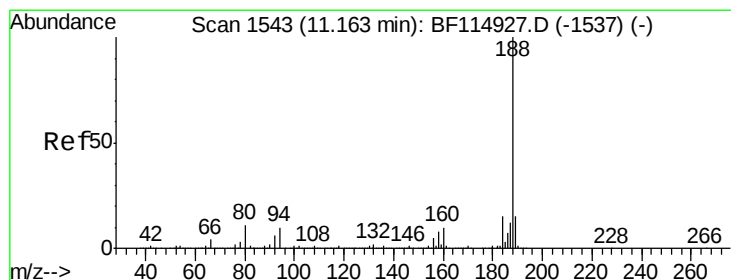
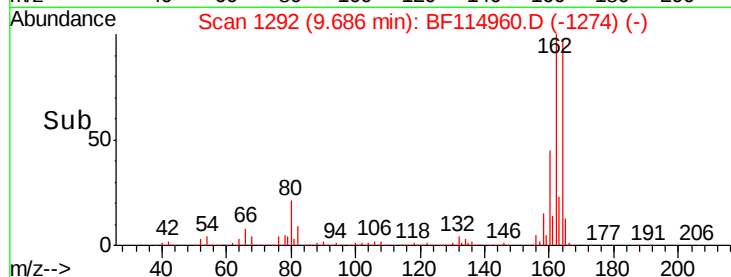
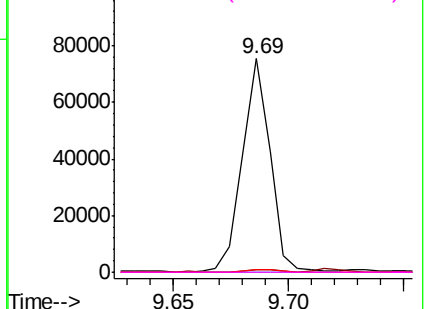
#57
 2,4-Dinitrotoluene
 Concen: 6.165 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.19 min
 Lab File: BF114960.D
 Acq: 11 Jun 2019 22:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 64206
 Ion Ratio Lower Upper
 165 100
 63 1.3 31.8 47.6#
 89 1.5 54.2 81.2#
 182 0.0 2.1 3.1#

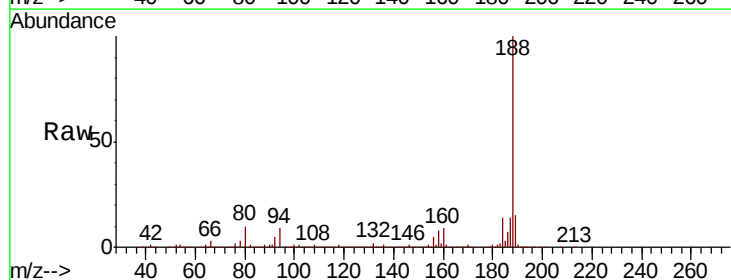


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

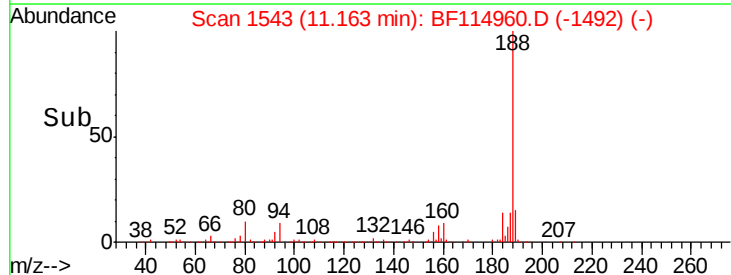
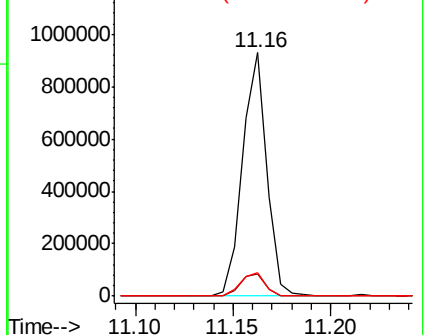


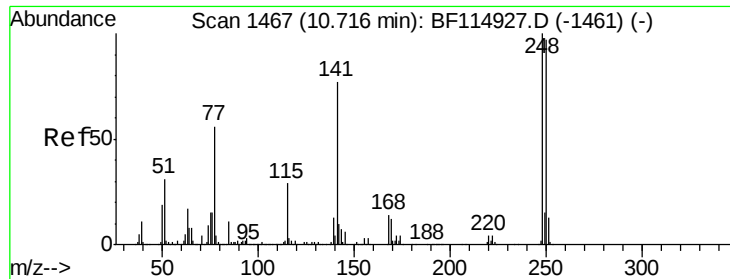
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.00 min
 Lab File: BF114960.D
 Acq: 11 Jun 2019 22:54

Tgt Ion:188 Resp: 797603
 Ion Ratio Lower Upper
 188 100
 94 9.3 8.1 12.1
 80 9.7 8.6 12.8



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

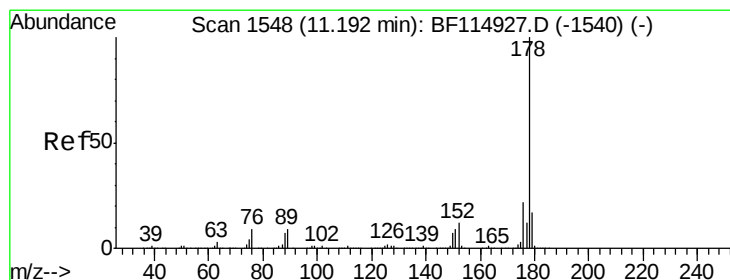
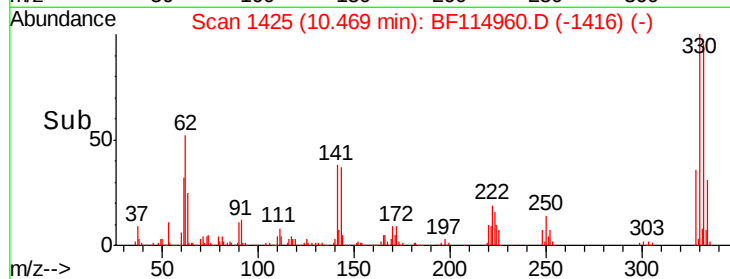
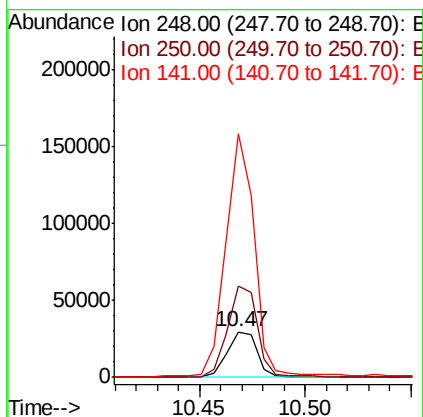
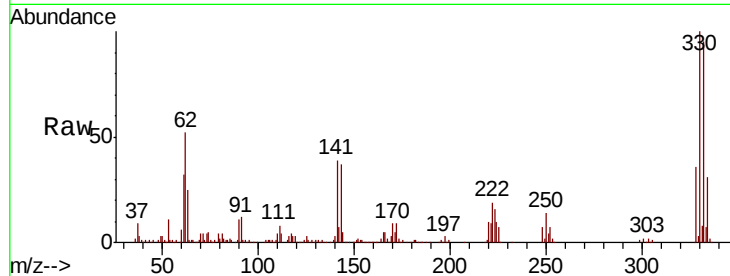




#67
 4-Bromophenyl-phenylether
 Concen: 3.295 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.25 min
 Lab File: BF114960.D
 Acq: 11 Jun 2019 22:54

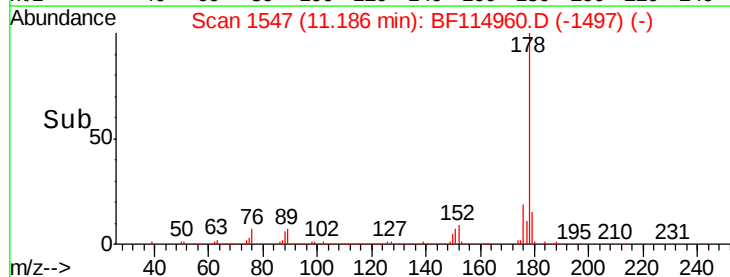
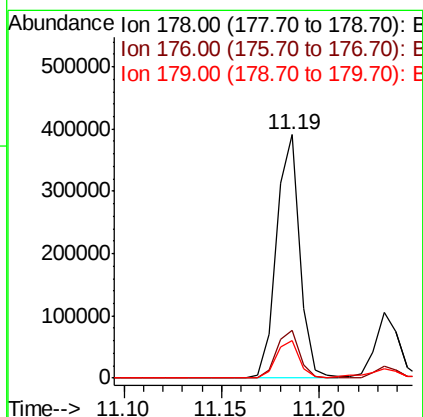
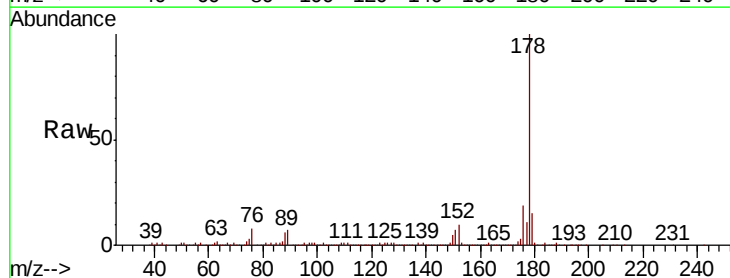
Instrument :
 BNA_F
 ClientSampleId :

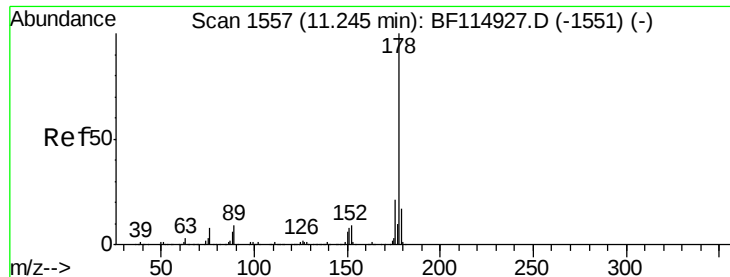
Tot Ion:248 Resp: 28468
 Ion Ratio Lower Upper
 248 100
 250 201.2 77.4 116.0#
 141 538.3 61.8 92.6#



#71
 Phenanthrene
 Concen: 8.325 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.01 min
 Lab File: BF114960.D
 Acq: 11 Jun 2019 22:54

Tgt Ion:178 Resp: 322143
 Ion Ratio Lower Upper
 178 100
 176 19.5 17.4 26.2
 179 15.2 13.6 20.4





#72

Anthracene

Concen: 2.176 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

Instrument :

BNA_F

ClientSampled :

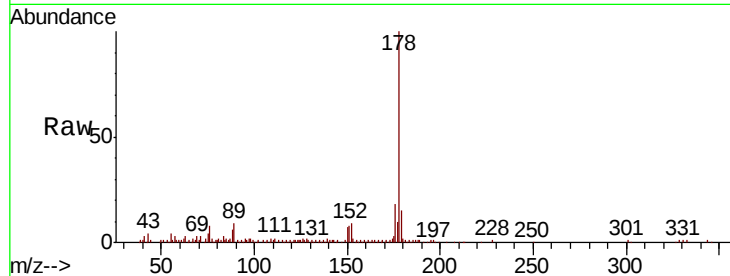
Tot Ion:178 Resp: 85468

Ion Ratio Lower Upper

178 100

176 17.7 16.6 25.0

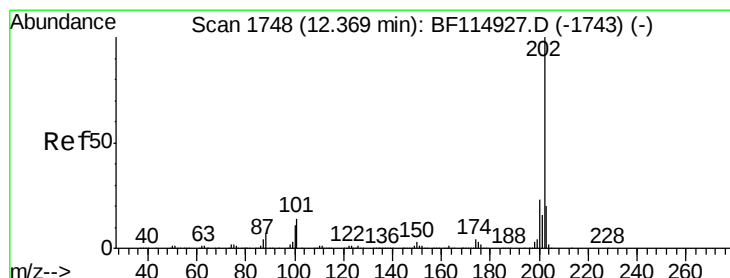
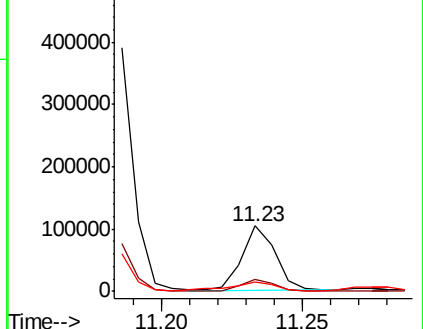
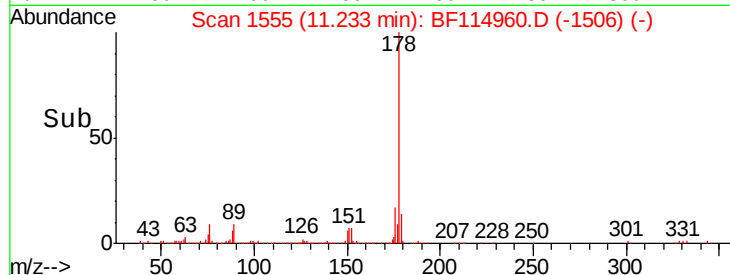
179 15.2 13.4 20.2



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: 15.406 ng

RT: 12.37 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

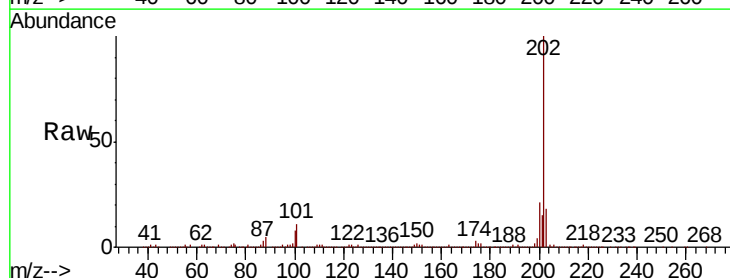
Tgt Ion:202 Resp: 616631

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.3

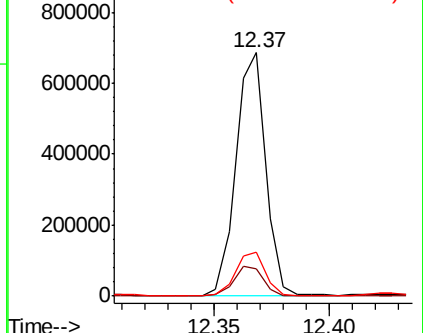
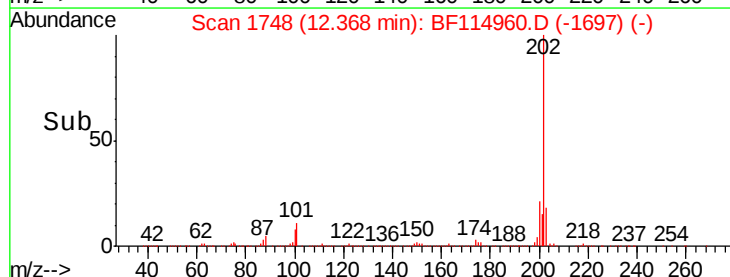
203 17.9 0.0 39.6

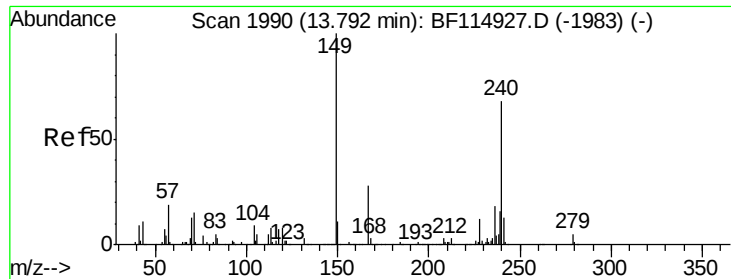


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

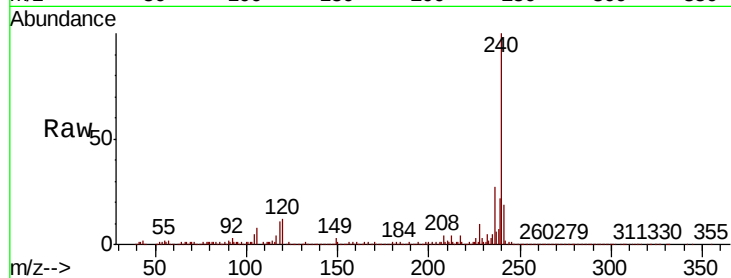




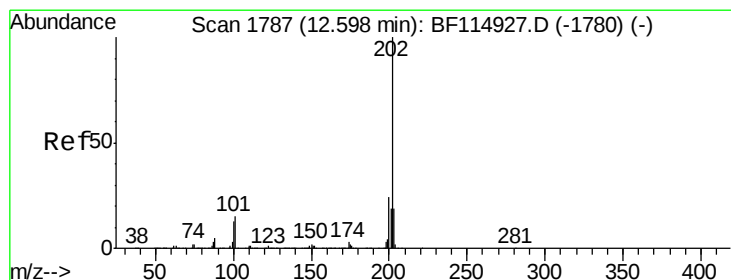
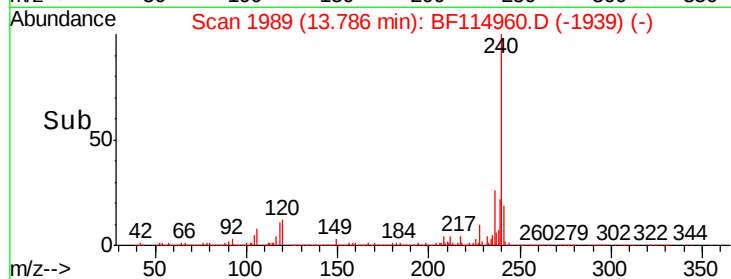
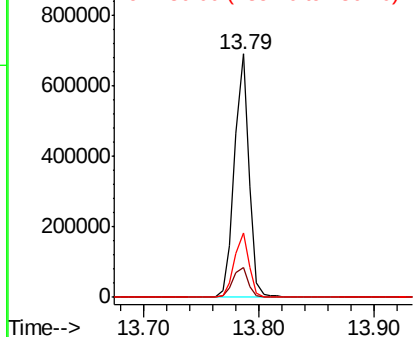
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 601607
Ion Ratio Lower Upper
240 100
120 12.2 9.2 13.8
236 26.5 21.7 32.5

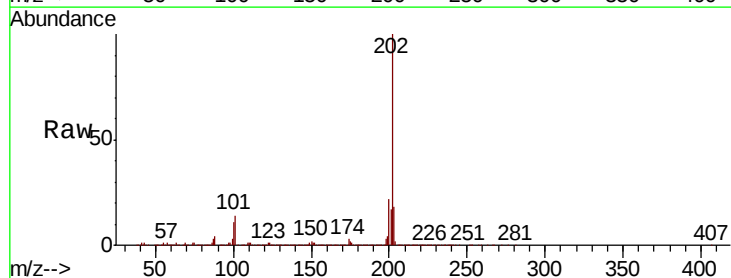


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

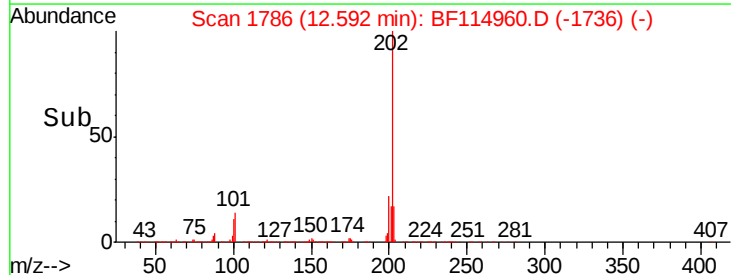
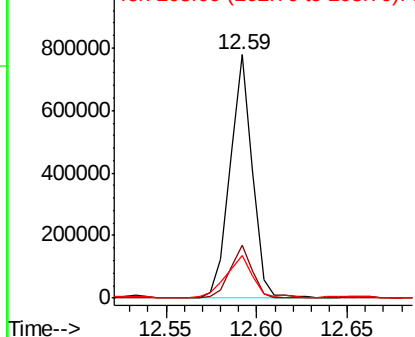


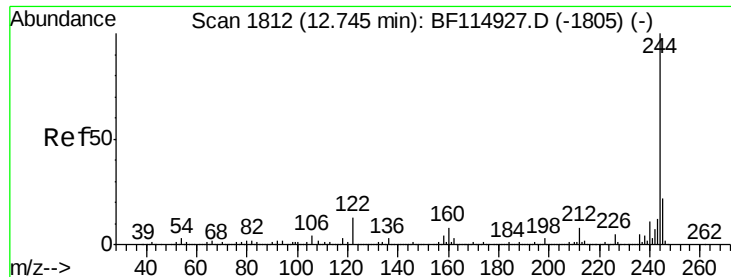
#78
Pyrene
Concen: 12.694 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Tgt Ion:202 Resp: 665088
Ion Ratio Lower Upper
202 100
200 21.6 18.9 28.3
203 17.6 15.2 22.8



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: 56.546 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

Instrument :

BNA_F

ClientSampled :

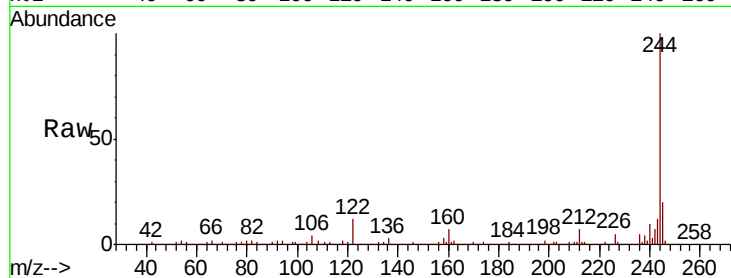
Tot Ion:244 Resp: 1710586

Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

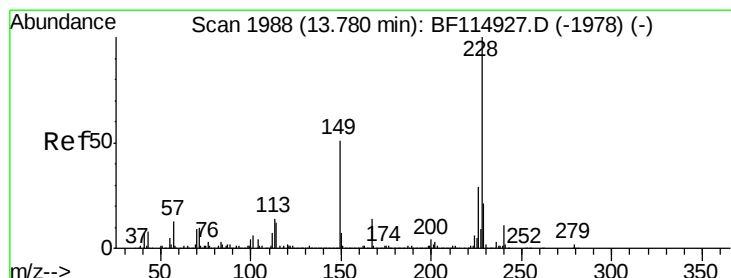
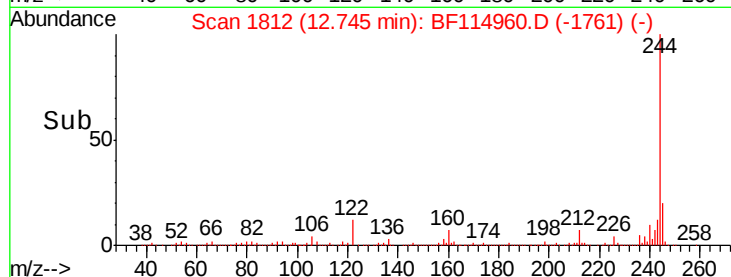
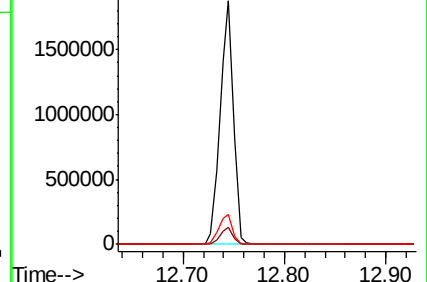
122 12.0 10.2 15.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 8.234 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

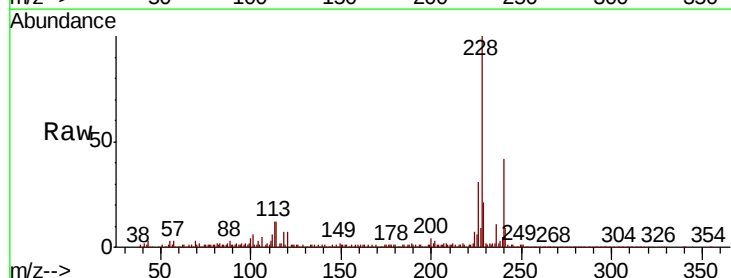
Tgt Ion:228 Resp: 366274

Ion Ratio Lower Upper

228 100

226 31.2 22.8 34.2

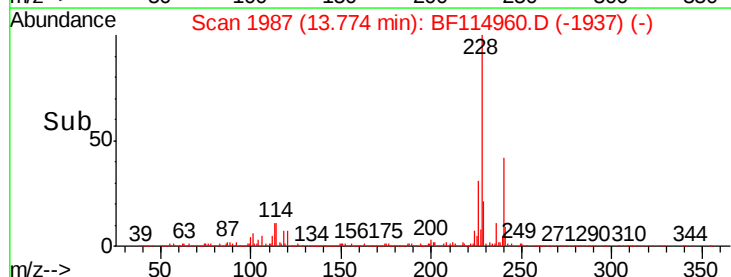
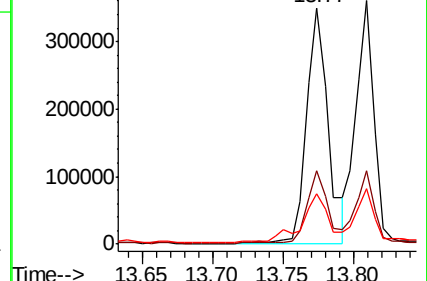
229 21.4 16.6 25.0

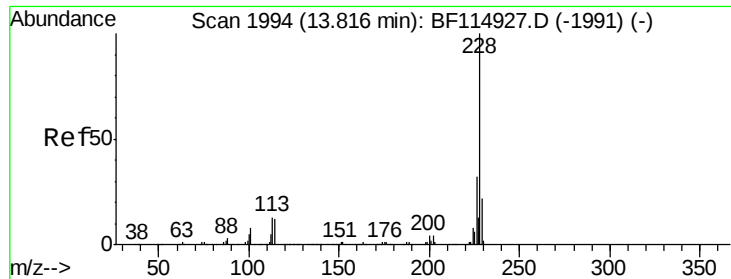


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

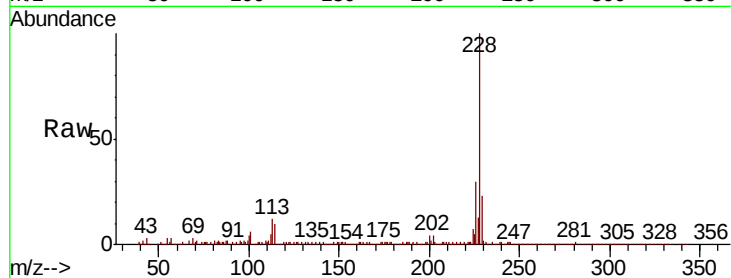




#83
Chrysene
Concen: 7.158 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.8	38.8
229	22.6	17.2	25.8

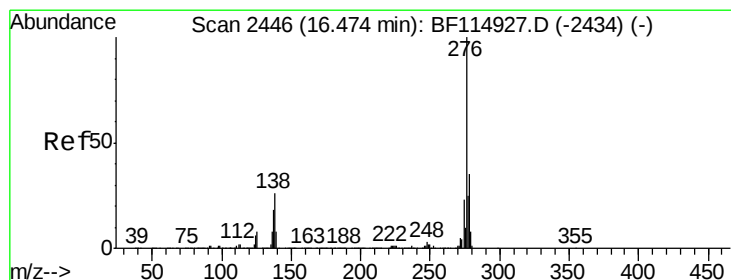
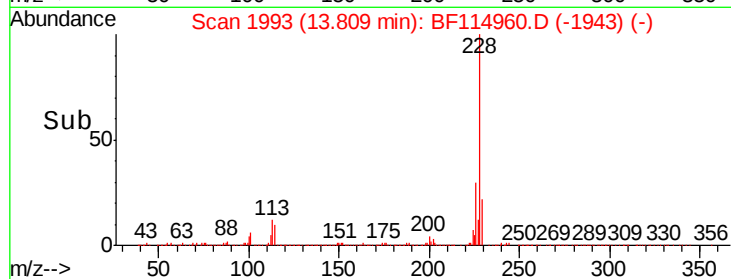
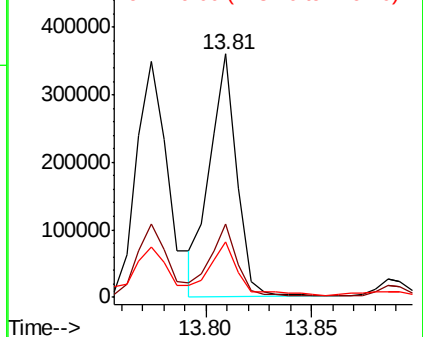


Abundance

Ion 228.00 (227.70 to 228.70): E

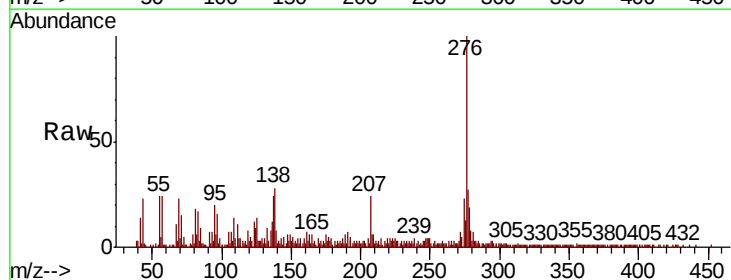
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.526 ng
RT: 16.47 min Scan# 2445
Delta R.T. -0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	23.3	34.9
277	24.1	20.5	30.7

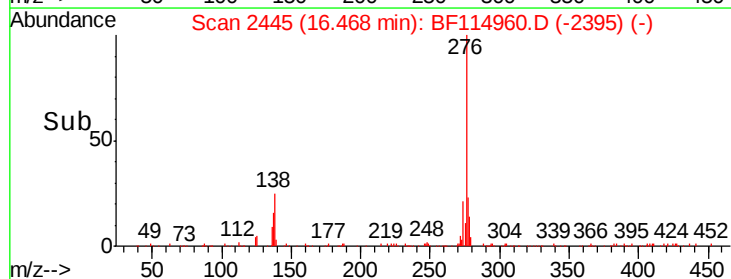
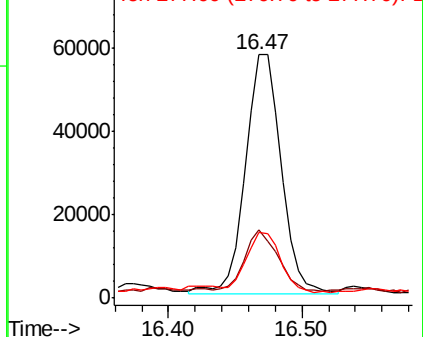


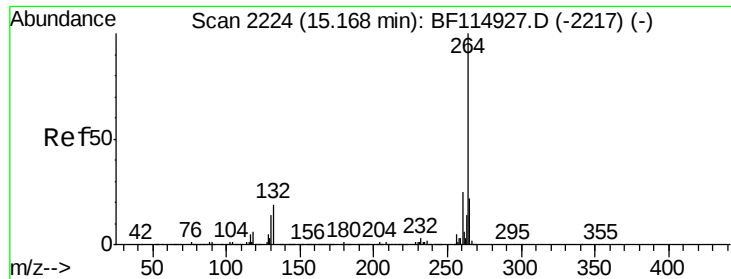
Abundance

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

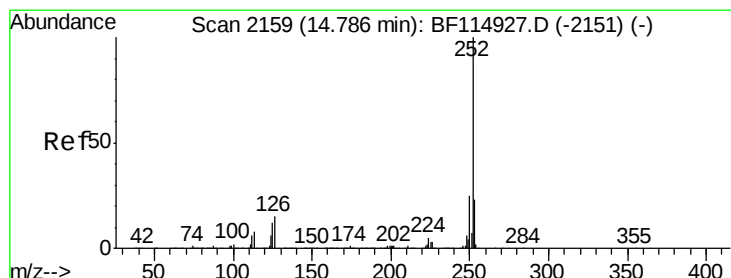
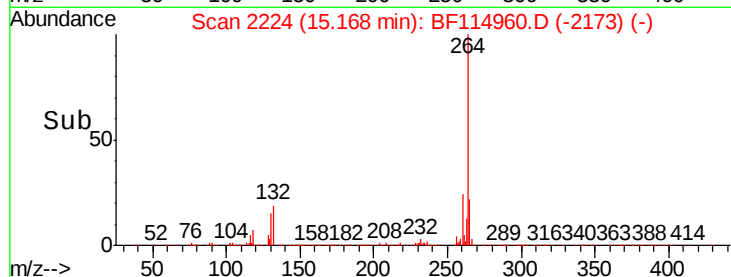
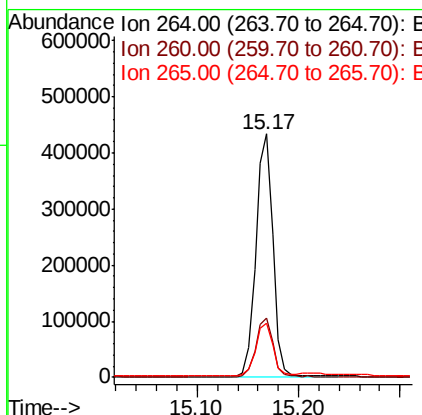
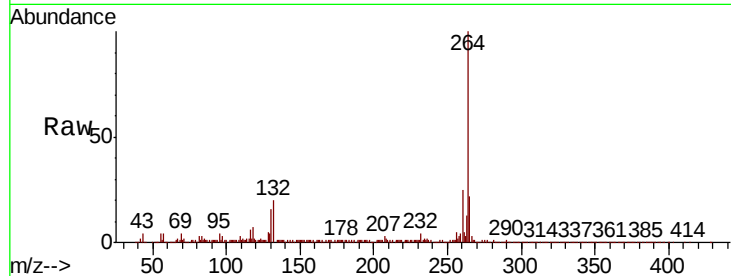




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

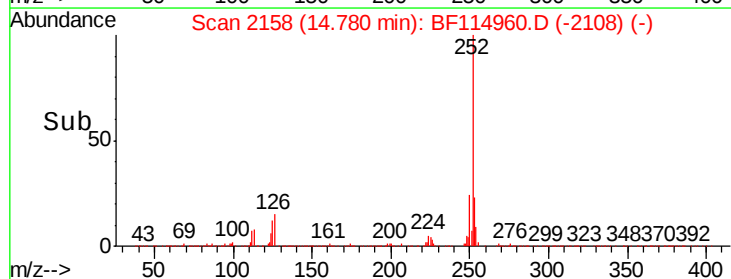
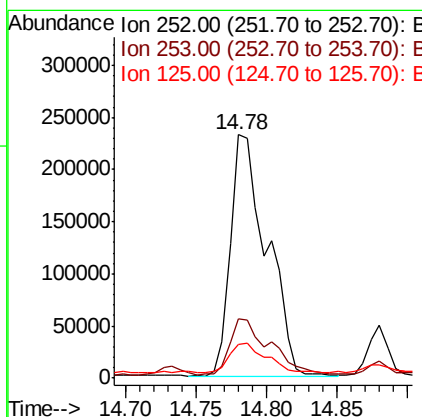
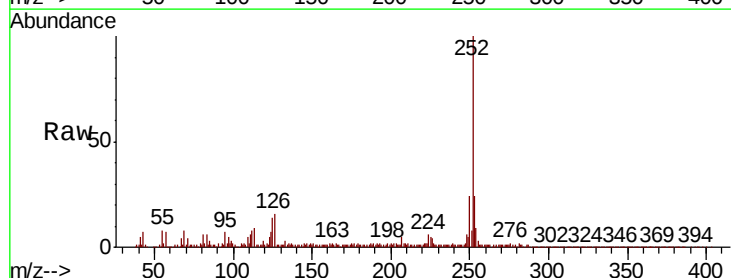
Instrument :
BNA_F
ClientSampleId :

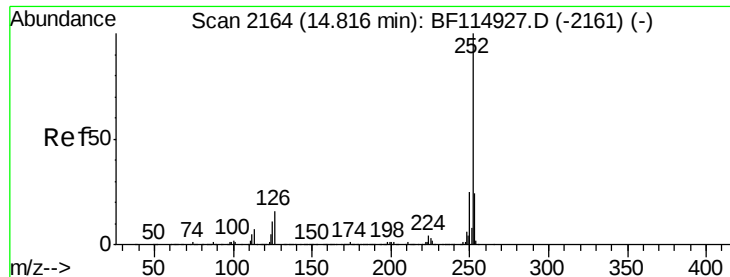
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.7	29.5
265	22.5	17.5	26.3



#88
Benzo(b)fluoranthene
Concen: 12.726 ng
RT: 14.78 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.6	28.0
125	14.0	9.5	14.3

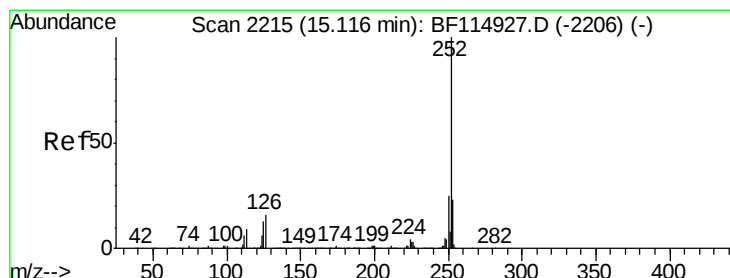
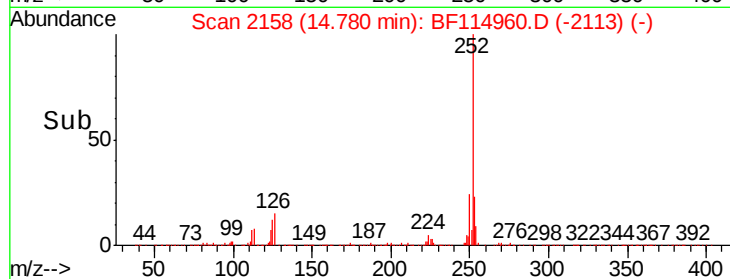
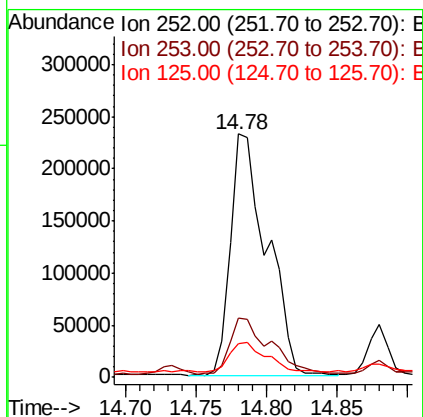
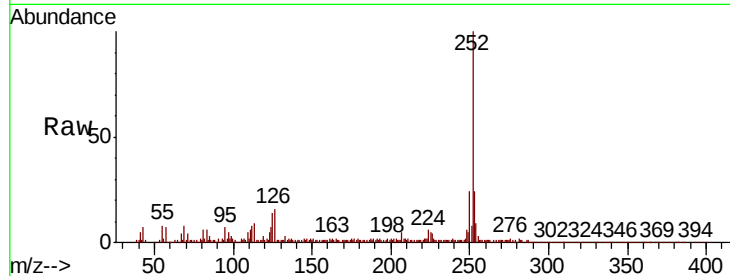




#89
Benzo(k)fluoranthene
Concen: 14.663 ng
RT: 14.78 min Scan# 2158
Delta R.T. -0.04 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

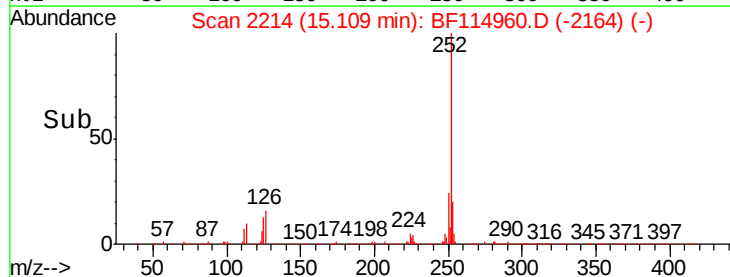
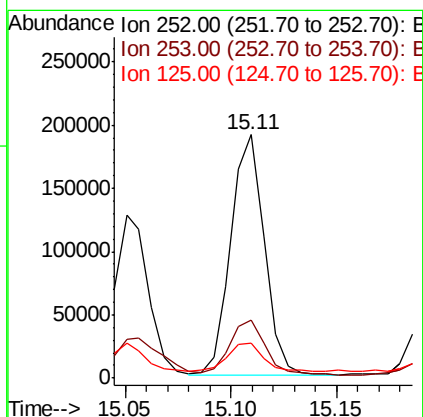
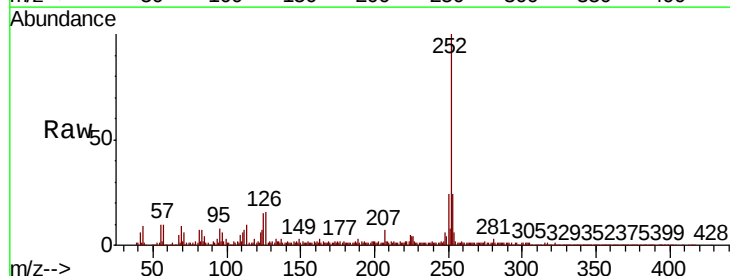
Instrument :
BNA_F
ClientSampleId :

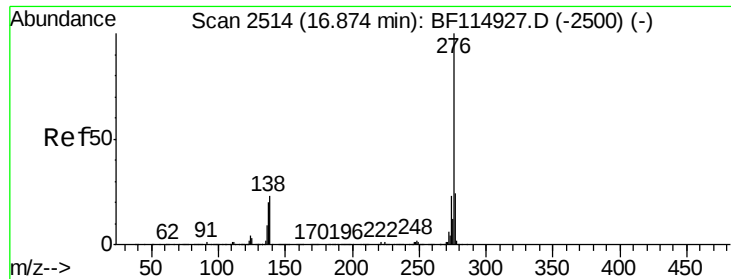
Tot Ion:252 Resp: 417561
Ion Ratio Lower Upper
252 100
253 24.3 18.6 28.0
125 14.0 9.2 13.8#



#90
Benzo(a)pyrene
Concen: 7.340 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF114960.D
Acq: 11 Jun 2019 22:54

Tgt Ion:252 Resp: 209190
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.2
125 14.5 10.1 15.1





#92

Benzo(a,h,i)perylene

Concen: 3.955 ng

RT: 16.86 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BF114960.D

Acq: 11 Jun 2019 22:54

Instrument :

BNA_F

ClientSampleId :

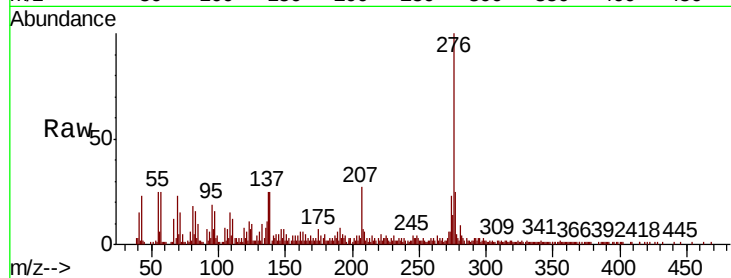
Tot Ion: 276 Resp: 94898

Ion Ratio Lower Upper

276 100

277 24.7 19.0 28.6

138 25.4 18.7 28.1



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

