

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114963.D
 Acq On : 12 Jun 2019 00:13
 Operator : HP/JU
 Sample : K3248-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 12 04:09:38 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	270125	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	1000308	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	454179	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	786583	20.00	ng	0.00
76) Chrysene-d12	13.79	240	559571	20.00	ng	0.00
87) Perylene-d12	15.17	264	448429	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1914036	119.92	ng	0.00
7) Phenol-d6	6.31	99	2370999	123.16	ng	0.00
23) Nitrobenzene-d5	7.23	82	1440767	88.50	ng	0.00
42) 2,4,6-Tribromophenol	10.47	330	555336	112.40	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	2381621	83.22	ng	0.00
79) Terphenyl-d14	12.75	244	2259972	80.32	ng	0.00

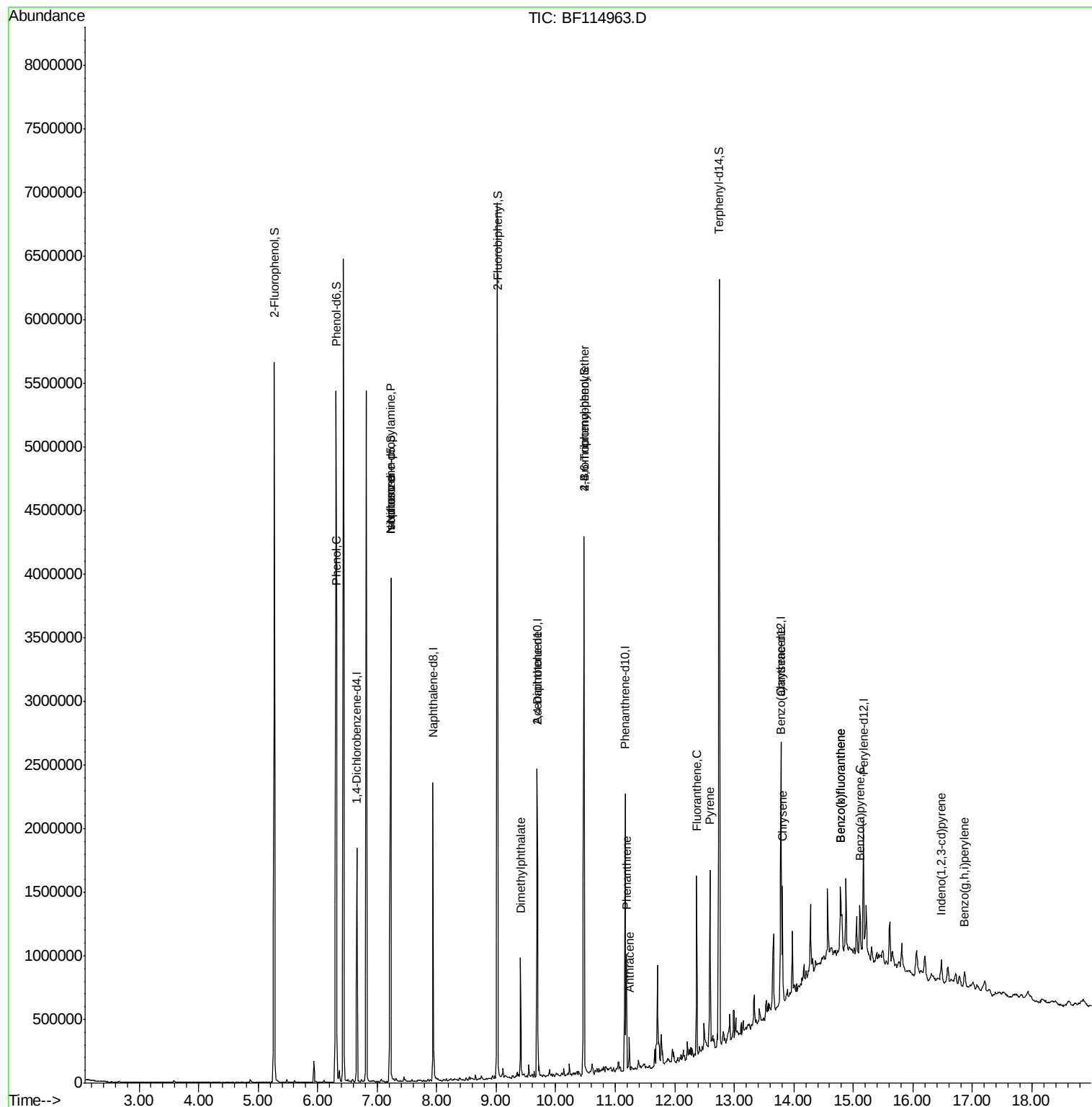
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.32	94	62825	2.927	ng	# 66
19) n-Nitroso-di-n-propylamine	7.23	70	195432	16.234	ng	# 75
25) Isophorone	7.23	82	1420713	44.563	ng	# 62
50) Dimethylphthalate	9.41	163	363679	10.654	ng	98
57) 2,4-Dinitrotoluene	9.69	165	60187	6.073	ng	# 27
67) 4-Bromophenyl-phenylether	10.47	248	36285	4.259	ng	# 1
71) Phenanthrene	11.19	178	331471	8.686	ng	96
72) Anthracene	11.23	178	90351	2.333	ng	97
75) Fluoranthene	12.37	202	581011	14.719	ng	94
78) Pyrene	12.59	202	535105	10.980	ng	96
81) Benzo(a)anthracene	13.77	228	286619	6.927	ng	96
83) Chrysene	13.81	228	253911	6.111	ng	96
86) Indeno(1,2,3-cd)pyrene	16.47	276	101729	2.604	ng	93
88) Benzo(b)fluoranthene	14.79	252	356659	12.217	ng	# 94
89) Benzo(k)fluoranthene	14.79	252	356659	14.077	ng	# 94
90) Benzo(a)pyrene	15.11	252	178048	7.022	ng	# 95
92) Benzo(a,h,i)perylene	16.87	276	99170	4.645	ng	# 91

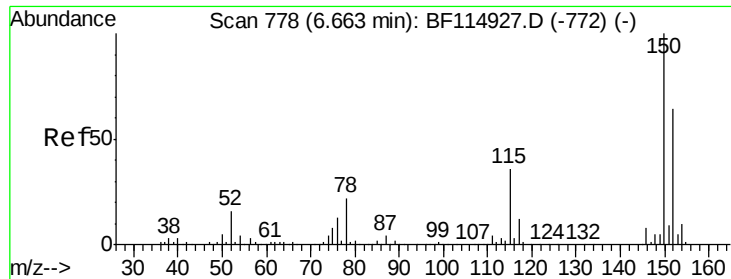
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF114963.D

Acq: 12 Jun 2019 00:13

Instrument :

BNA_F

ClientSampleId :

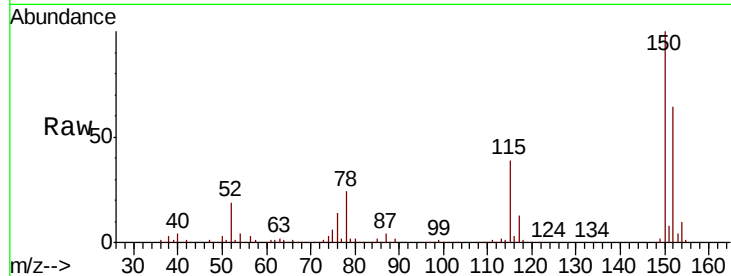
Tot Ion:152 Resp: 270125

Ion Ratio Lower Upper

152 100

150 156.4 125.2 187.8

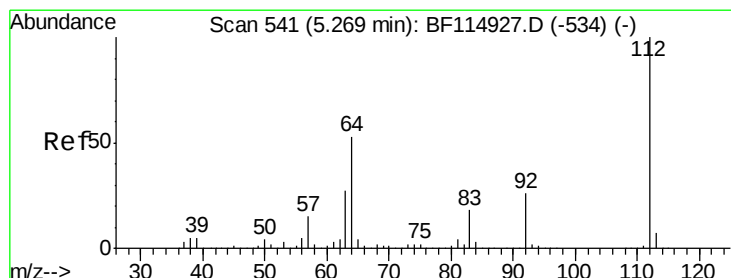
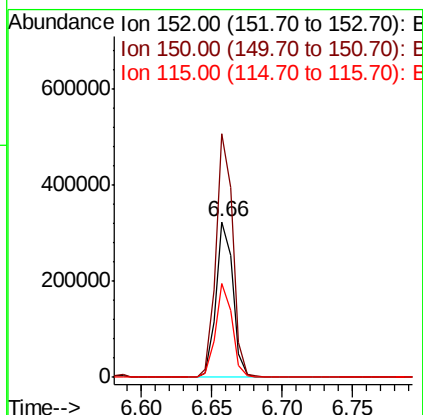
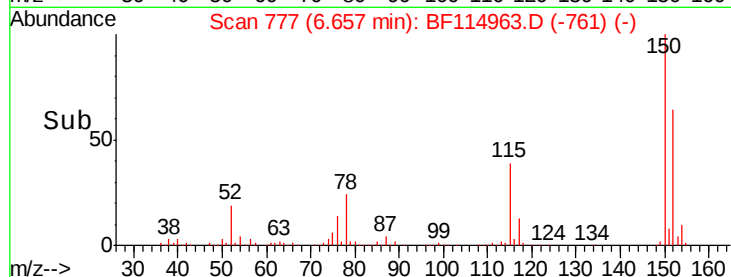
115 60.7 45.0 67.4



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: 119.920 ng

RT: 5.27 min Scan# 542

Delta R.T. 0.01 min

Lab File: BF114963.D

Acq: 12 Jun 2019 00:13

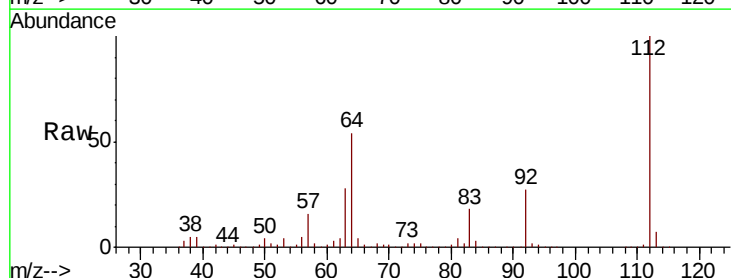
Tgt Ion:112 Resp: 1914036

Ion Ratio Lower Upper

112 100

64 53.7 42.1 63.1

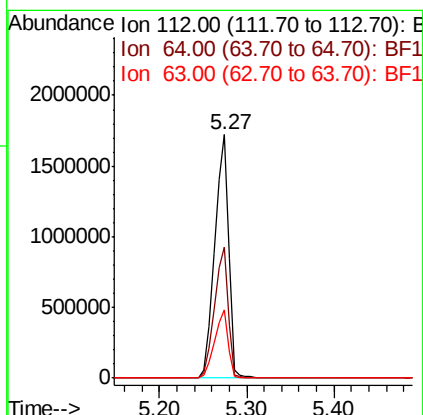
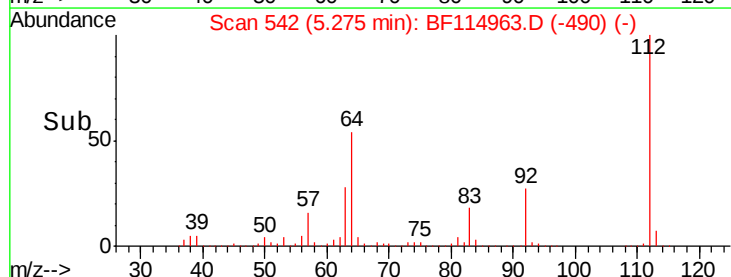
63 27.8 21.8 32.8



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: 123.157 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.00 min

Lab File: BF114963.D

Acq: 12 Jun 2019 00:13

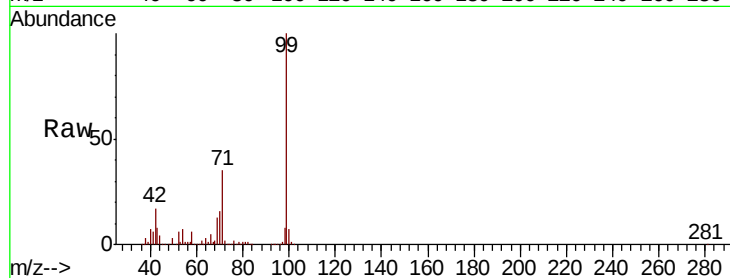
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 2370999

Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.1	19.7
71	35.1	26.8	40.2

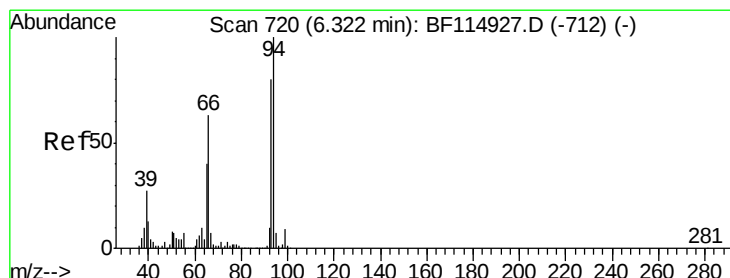
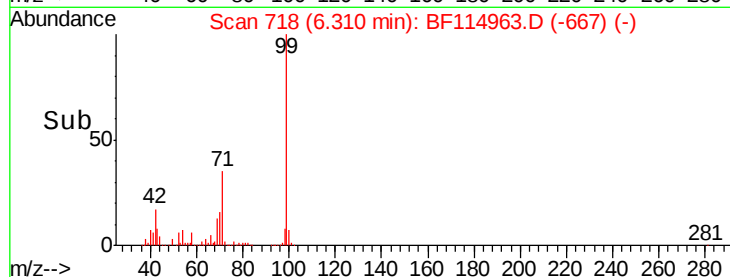
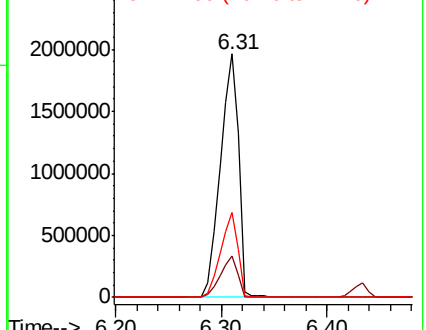


Abundance

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: 2.927 ng

RT: 6.32 min Scan# 720

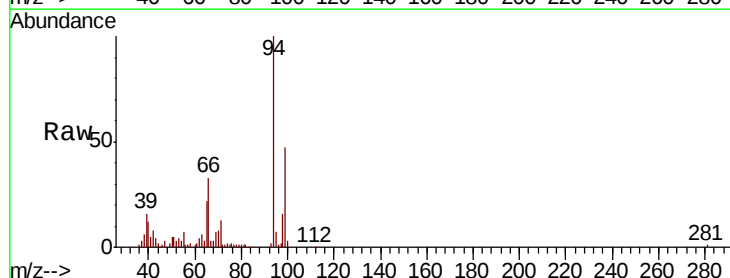
Delta R.T. 0.00 min

Lab File: BF114963.D

Acq: 12 Jun 2019 00:13

Tgt Ion: 94 Resp: 62825

Ion	Ratio	Lower	Upper
94	100		
65	22.1	19.6	59.6
66	33.5	42.6	82.6#

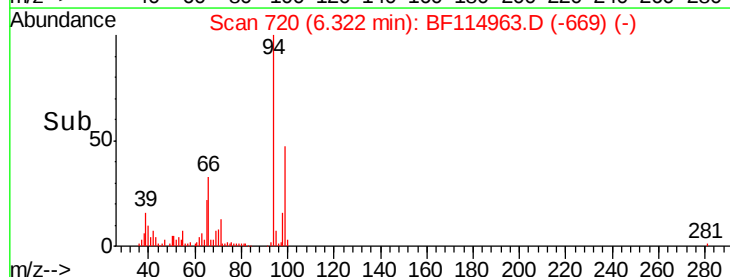
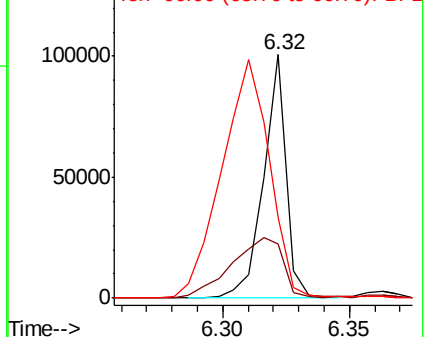


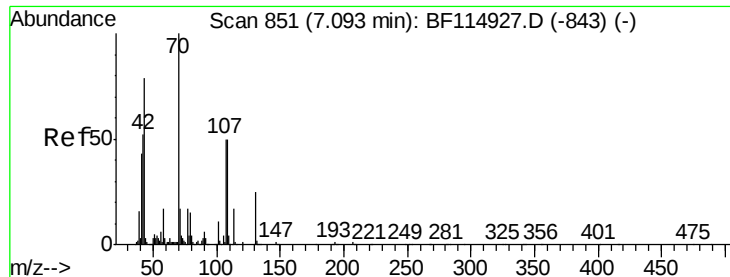
Abundance

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

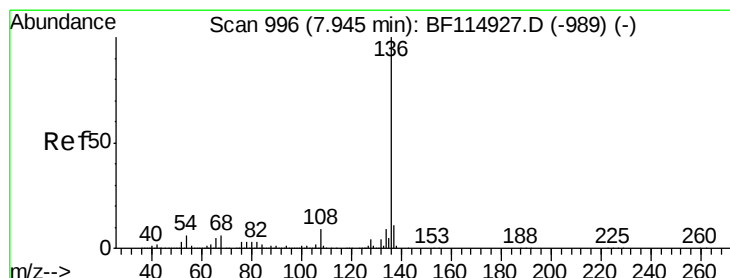
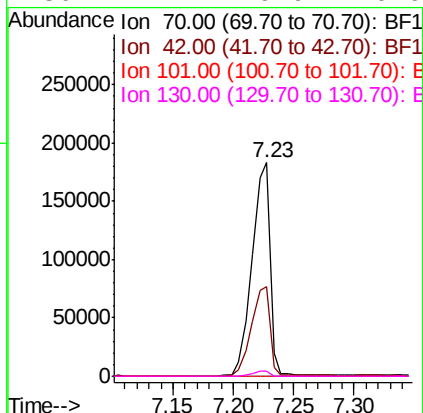
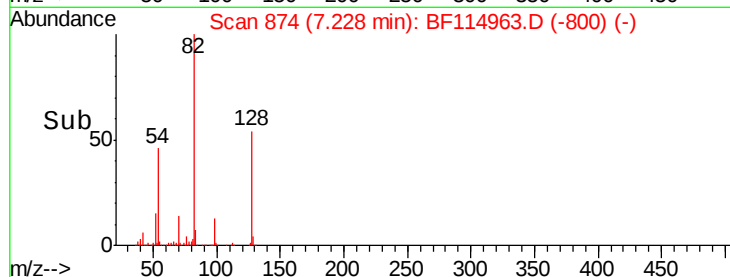
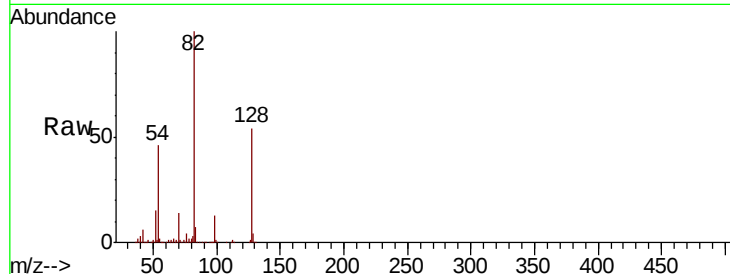




#19
n-Nitroso-di-n-propylamine
Concen: 16.234 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.14 min
Lab File: BF114963.D
Acq: 12 Jun 2019 00:13

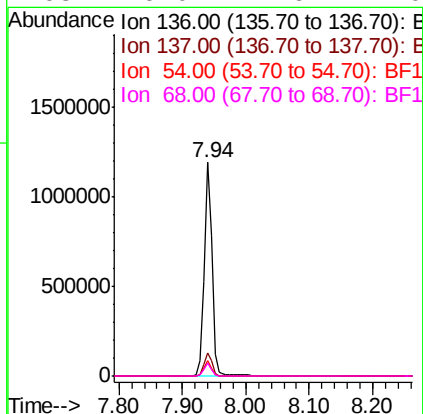
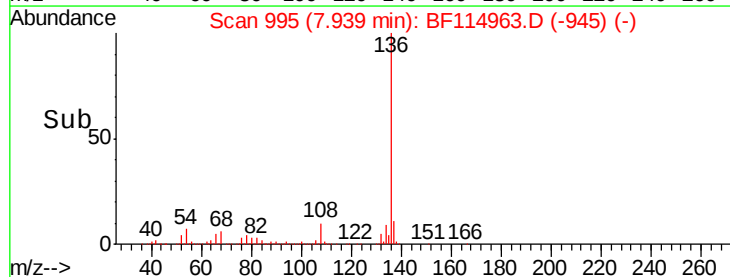
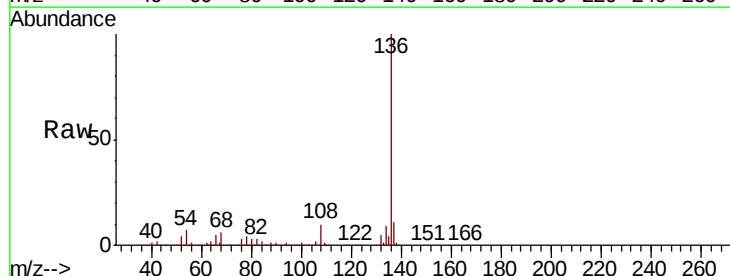
Instrument :
BNA_F
ClientSampleId :

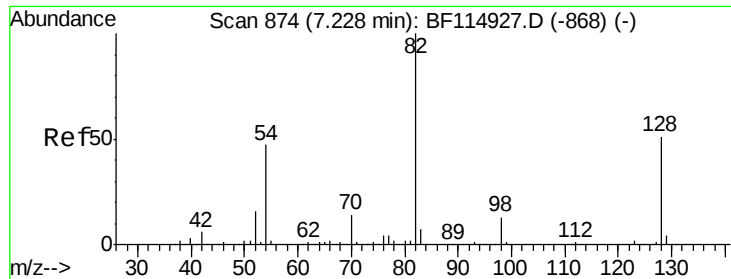
Tot Ion: 70 Resp: 195432
Ion Ratio Lower Upper
70 100
42 41.9 41.7 62.5
101 0.0 8.4 12.6#
130 2.4 19.9 29.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF114963.D
Acq: 12 Jun 2019 00:13

Tgt Ion:136 Resp: 1000308
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 7.1 5.2 7.8
68 6.0 4.6 7.0

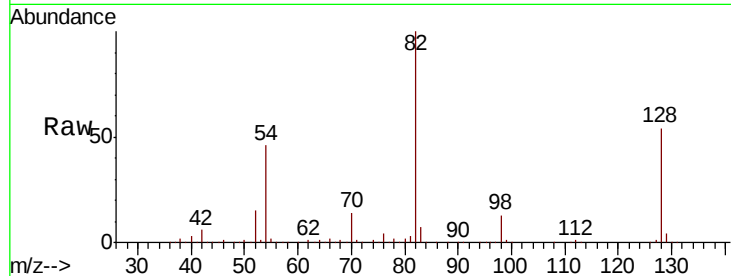




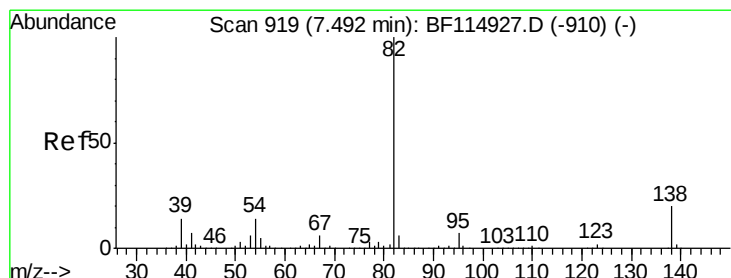
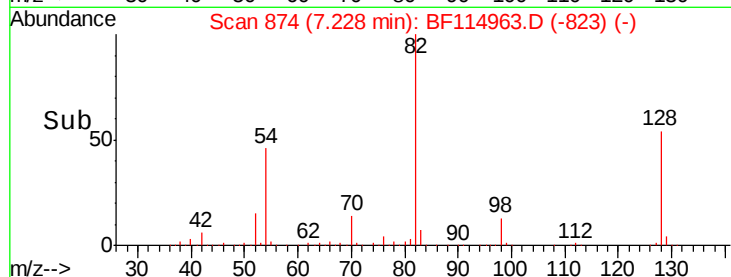
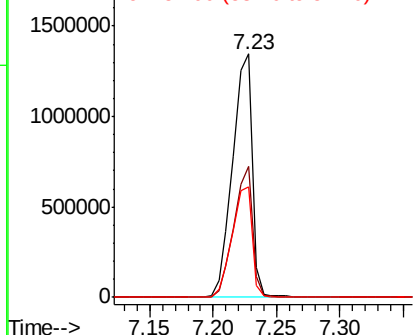
#23
Nitrobenzene-d5
Concen: 88.496 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.00 min
Lab File: BF114963.D
Acq: 12 Jun 2019 00:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1440767
Ion Ratio Lower Upper
82 100
128 53.9 40.9 61.3
54 45.5 37.4 56.0

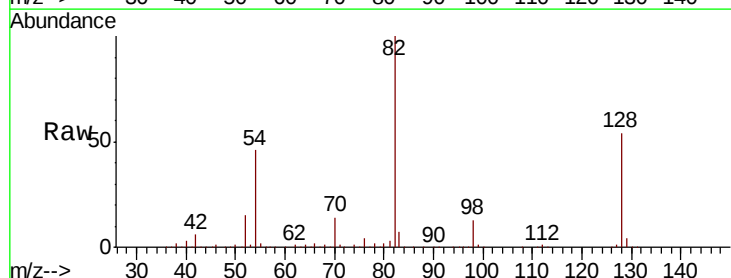


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

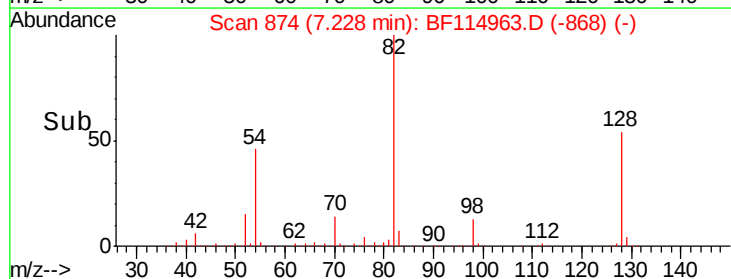
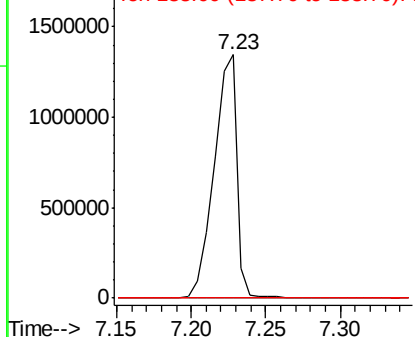


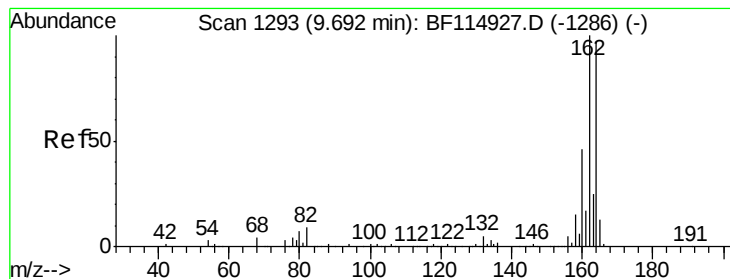
#25
Isophorone
Concen: 44.563 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.26 min
Lab File: BF114963.D
Acq: 12 Jun 2019 00:13

Tgt Ion: 82 Resp: 1420713
Ion Ratio Lower Upper
82 100
95 0.1 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: BF114963.D

Acq: 12 Jun 2019 00:13

Instrument :

BNA_F

ClientSampleId :

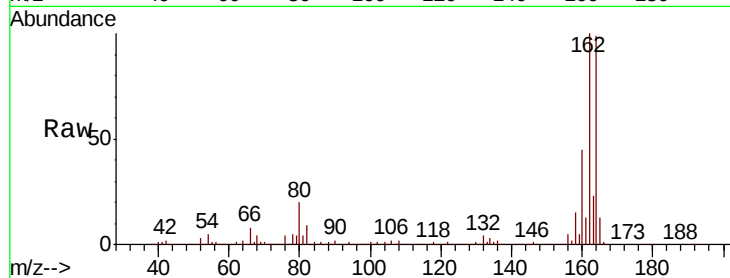
Tot Ion:164 Resp: 454179

Ion Ratio Lower Upper

164 100

162 101.3 82.4 123.6

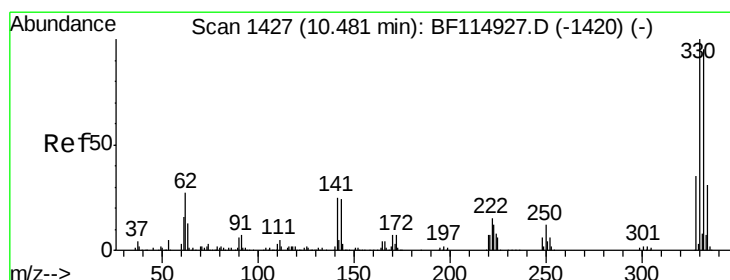
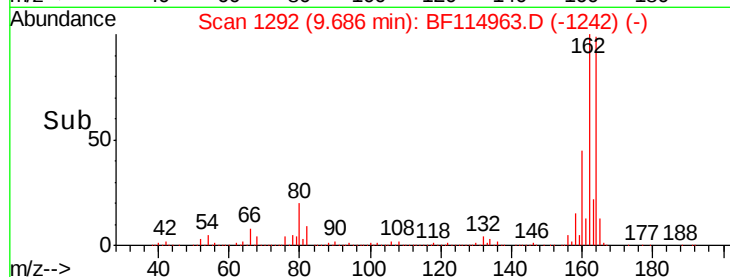
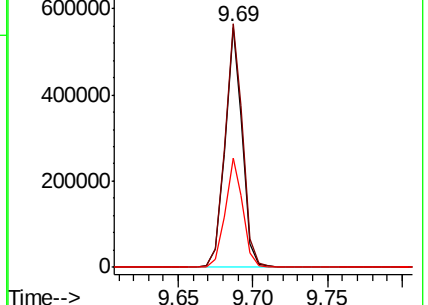
160 45.3 37.5 56.3



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: 112.402 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF114963.D

Acq: 12 Jun 2019 00:13

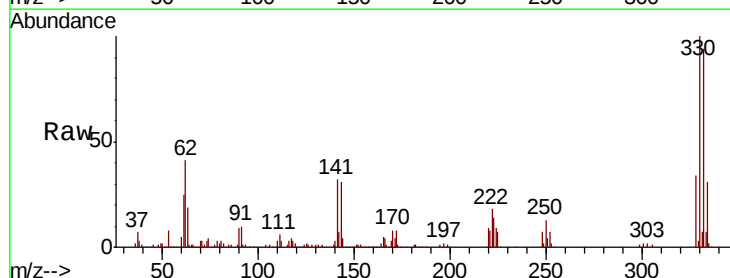
Tgt Ion:330 Resp: 555336

Ion Ratio Lower Upper

330 100

332 95.4 76.4 114.6

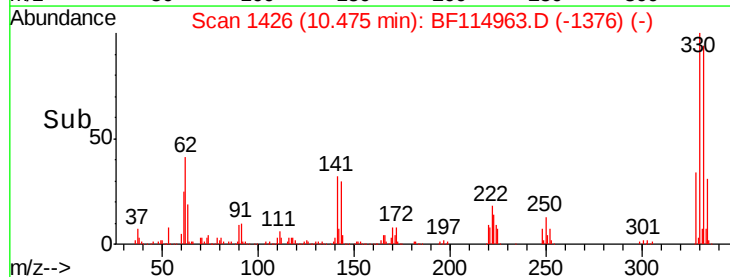
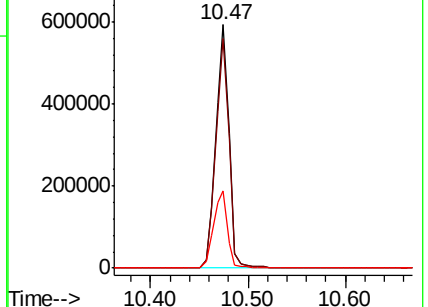
141 33.1 26.8 40.2

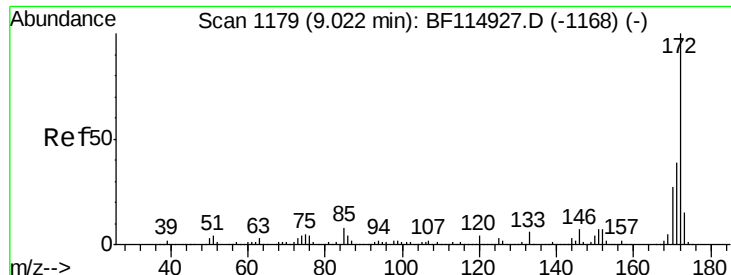


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 83.222 ng

RT: 9.02 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BF114963.D

Acq: 12 Jun 2019 00:13

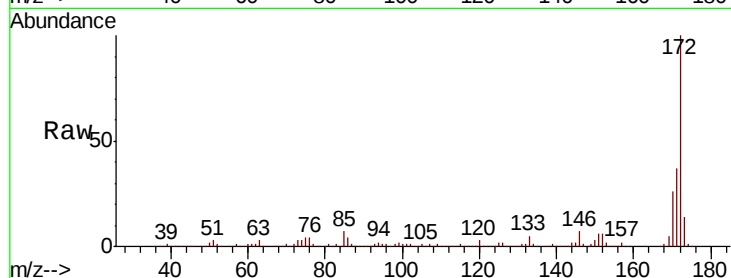
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 2381621

Ion	Ratio	Lower	Upper
172	100		
171	37.4	31.3	46.9
170	25.9	21.4	32.0

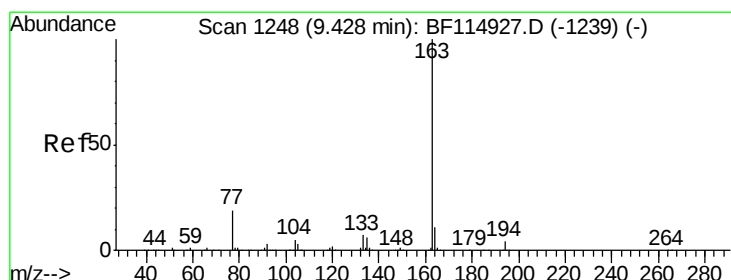
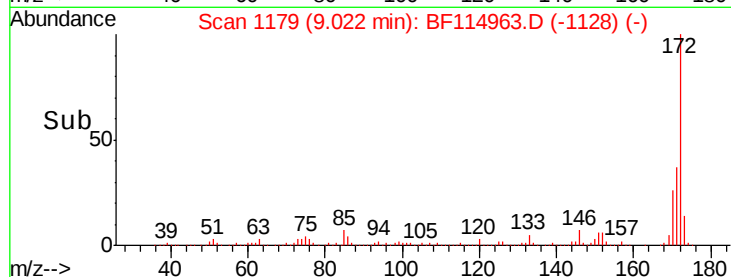
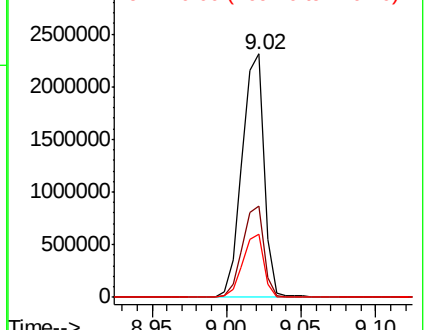


Abundance

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: 10.654 ng

RT: 9.41 min Scan# 1245

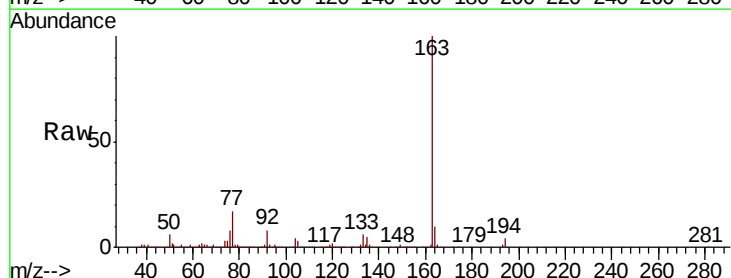
Delta R.T. -0.02 min

Lab File: BF114963.D

Acq: 12 Jun 2019 00:13

Tgt Ion:163 Resp: 363679

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	9.7	8.7	13.1

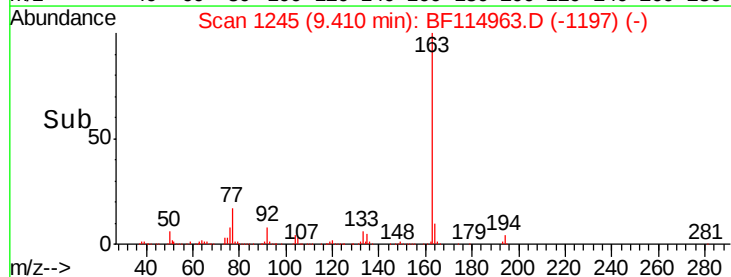
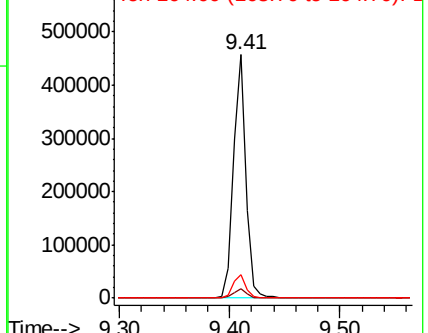


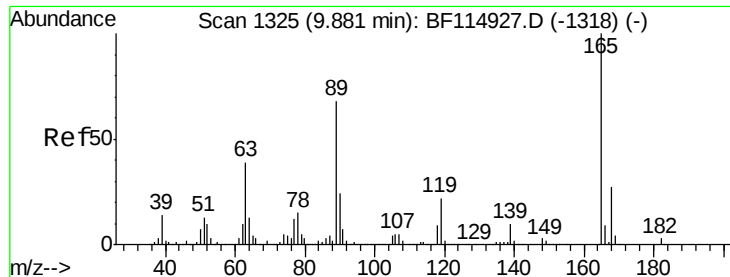
Abundance

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

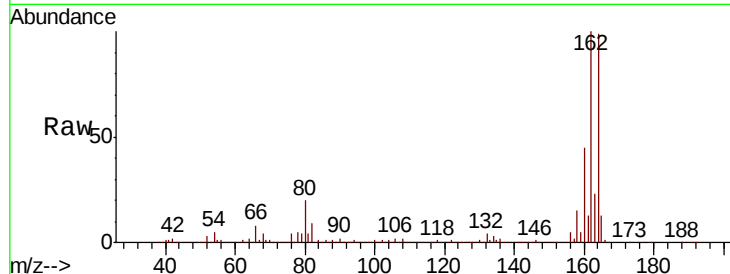




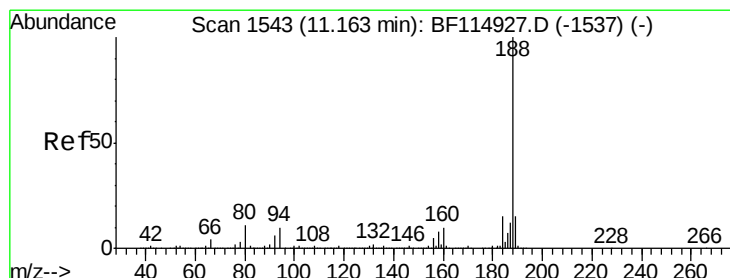
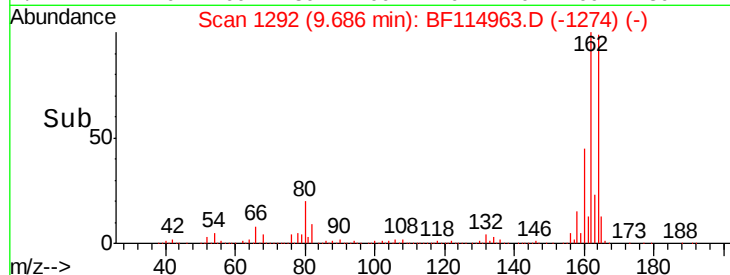
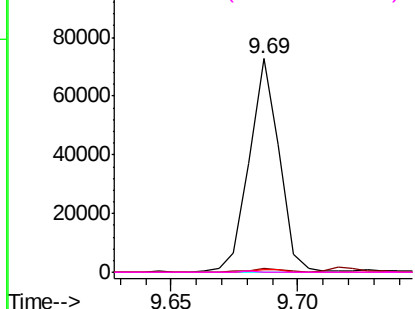
#57
 2,4-Dinitrotoluene
 Concen: 6.073 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.19 min
 Lab File: BF114963.D
 Acq: 12 Jun 2019 00:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	31.8	47.6#
89	1.4	54.2	81.2#
182	0.0	2.1	3.1#

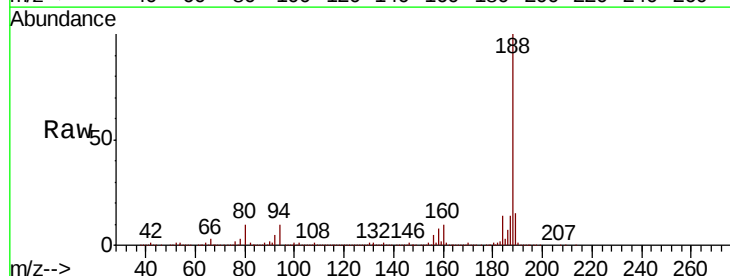


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

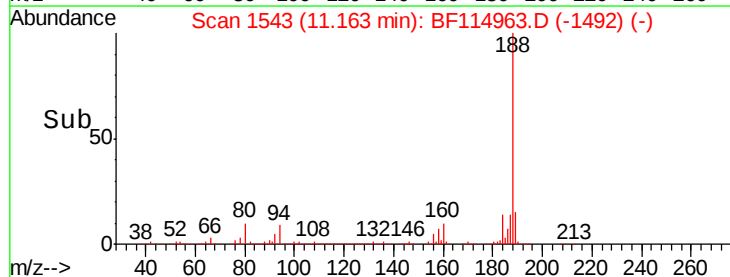
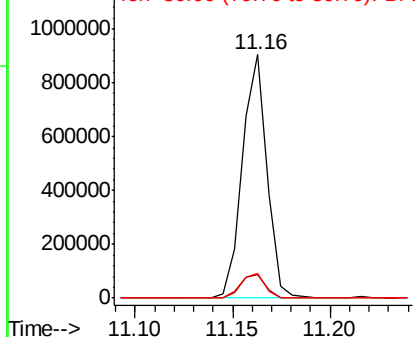


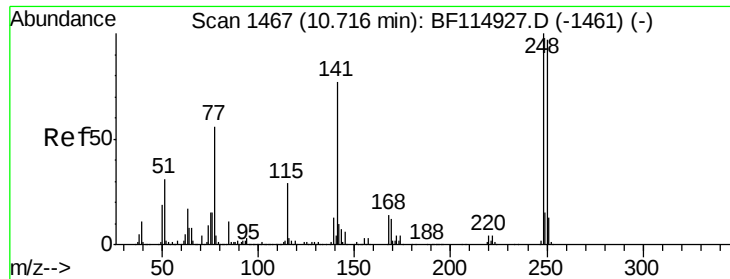
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. 0.00 min
 Lab File: BF114963.D
 Acq: 12 Jun 2019 00:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.1	12.1
80	10.0	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

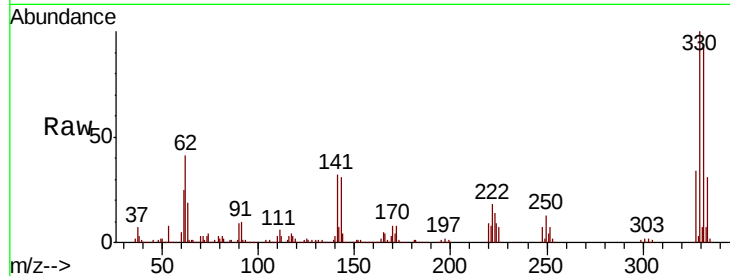




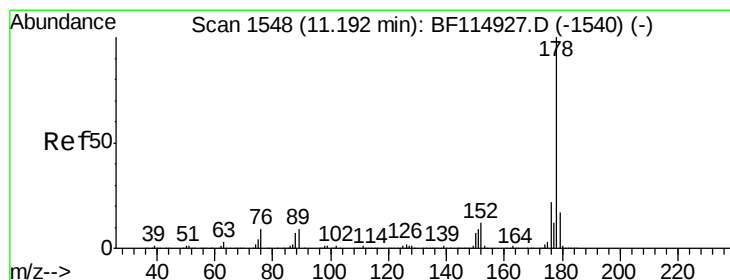
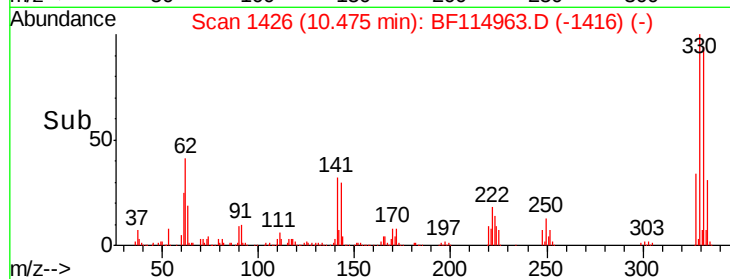
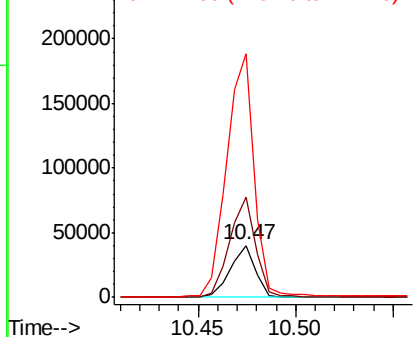
#67
4-Bromophenyl-phenylether
Concen: 4.259 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.24 min
Lab File: BF114963.D
Acq: 12 Jun 2019 00:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 36285
Ion Ratio Lower Upper
248 100
250 194.8 77.4 116.0#
141 470.3 61.8 92.6#

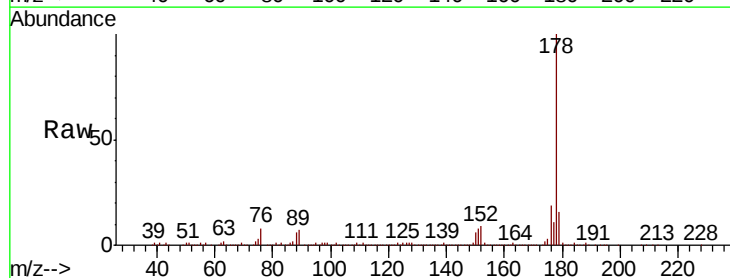


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

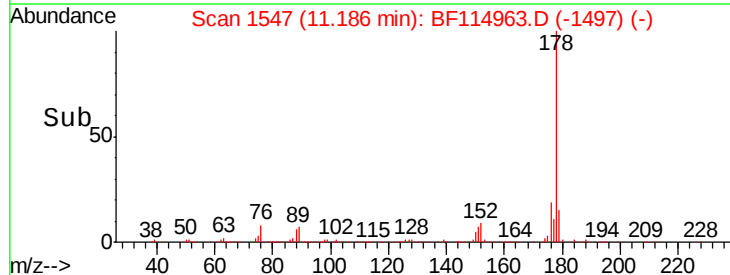
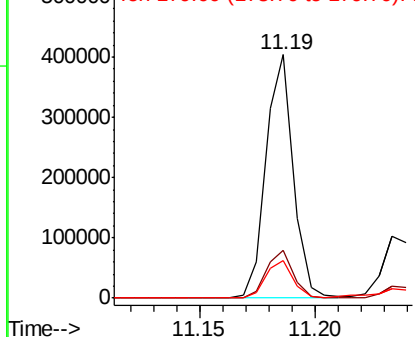


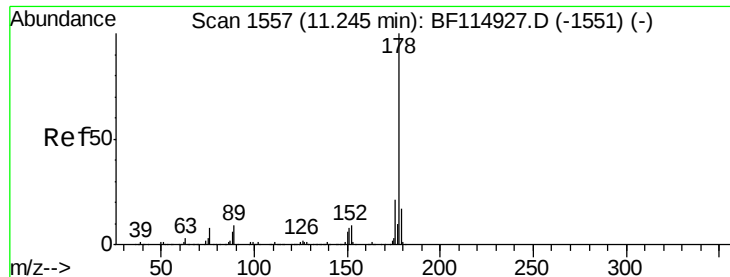
#71
Phenanthrene
Concen: 8.686 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF114963.D
Acq: 12 Jun 2019 00:13

Tgt Ion:178 Resp: 331471
Ion Ratio Lower Upper
178 100
176 19.4 17.4 26.2
179 15.6 13.6 20.4



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: 2.333 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF114963.D

Acq: 12 Jun 2019 00:13

Instrument :

BNA_F

ClientSampleId :

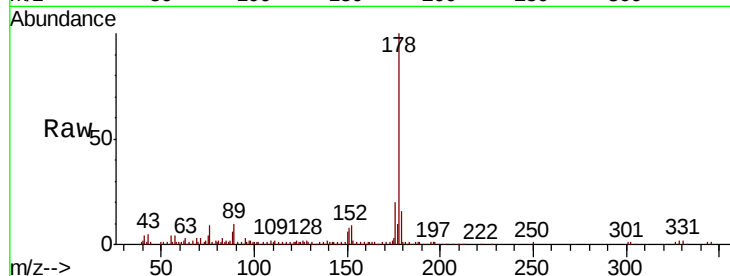
Tot Ion:178 Resp: 90351

Ion Ratio Lower Upper

178 100

176 19.6 16.6 25.0

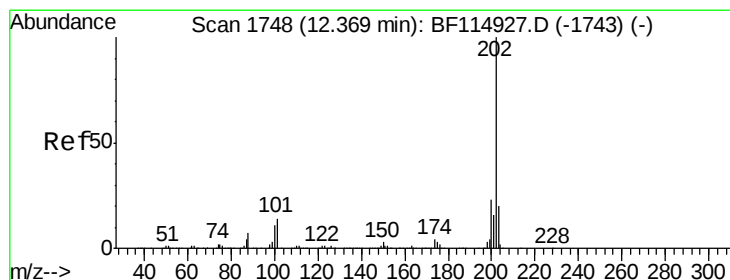
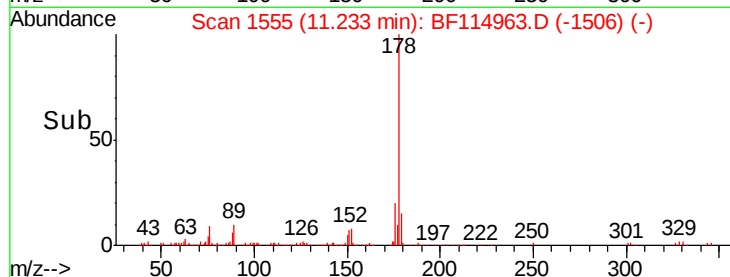
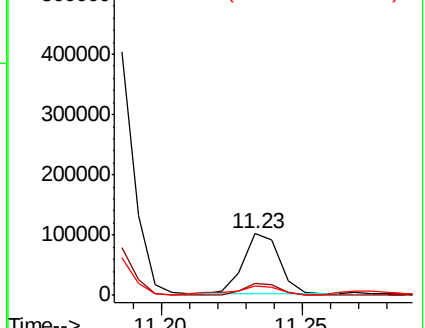
179 15.5 13.4 20.2



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: 14.719 ng

RT: 12.37 min Scan# 1748

Delta R.T. 0.00 min

Lab File: BF114963.D

Acq: 12 Jun 2019 00:13

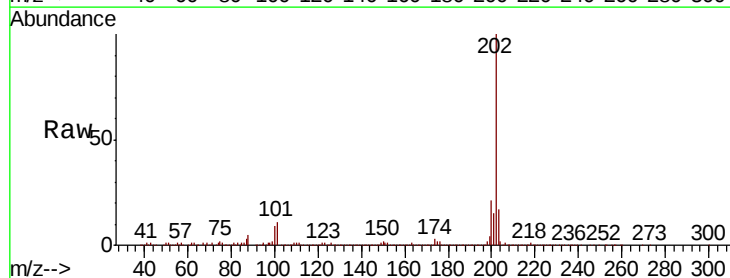
Tgt Ion:202 Resp: 581011

Ion Ratio Lower Upper

202 100

101 11.4 0.0 34.3

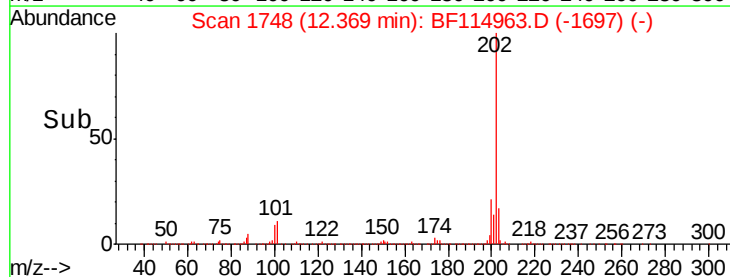
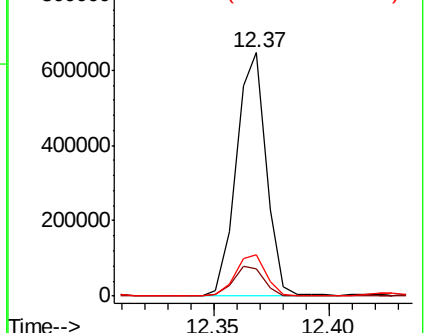
203 17.2 0.0 39.6

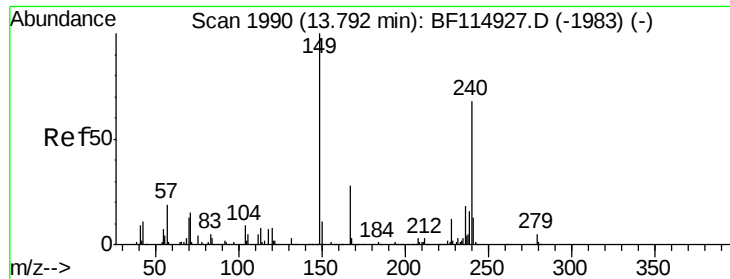


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

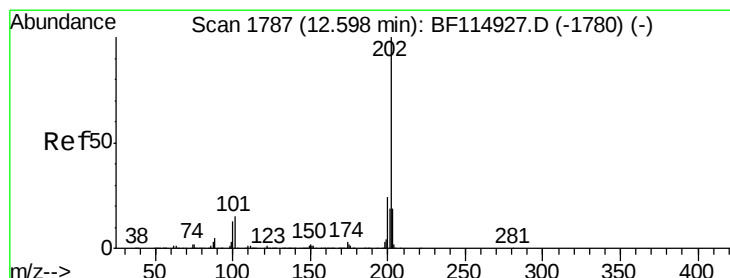
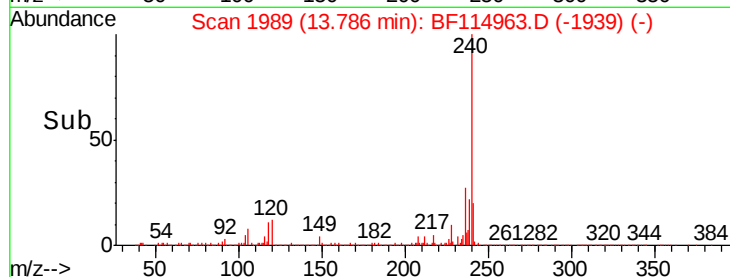
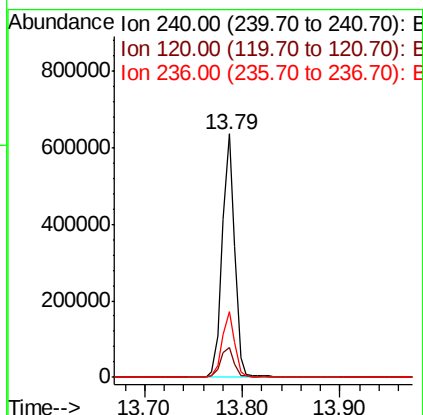
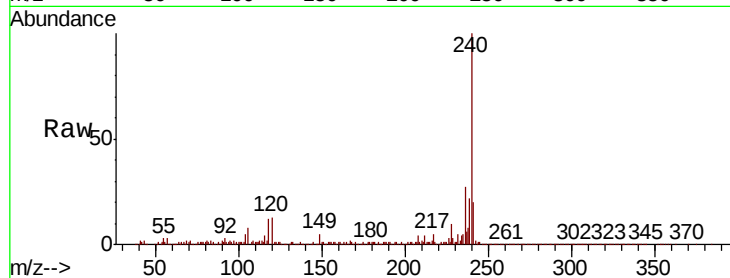




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF114963.D
Acq: 12 Jun 2019 00:13

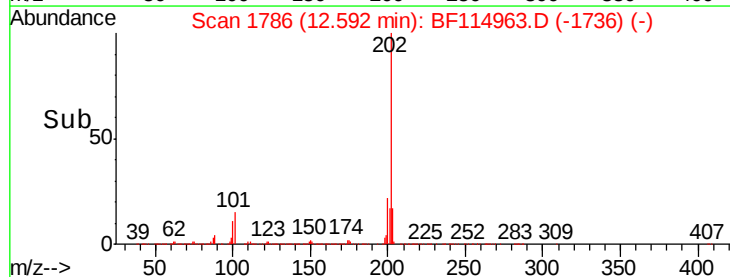
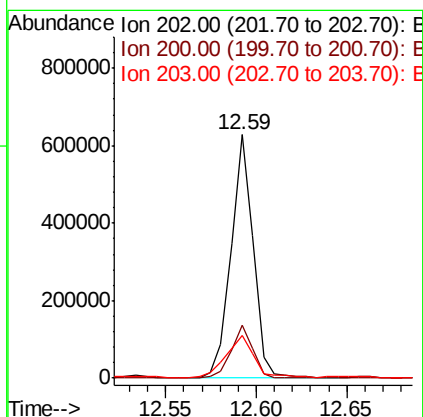
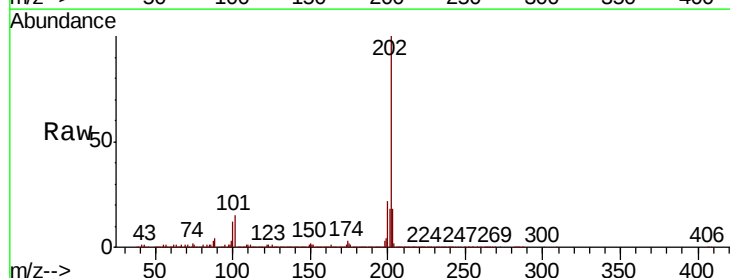
Instrument :
BNA_F
ClientSampleId :

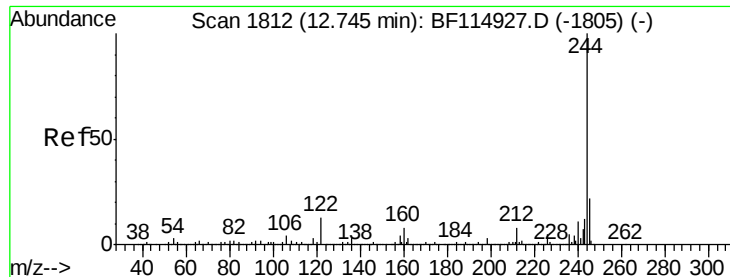
Tot Ion:240 Resp: 559571
Ion Ratio Lower Upper
240 100
120 12.5 9.2 13.8
236 27.2 21.7 32.5



#78
Pyrene
Concen: 10.980 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF114963.D
Acq: 12 Jun 2019 00:13

Tgt Ion:202 Resp: 535105
Ion Ratio Lower Upper
202 100
200 21.6 18.9 28.3
203 17.7 15.2 22.8





#79

Terphenyl-d14

Concen: 80.319 ng

RT: 12.75 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BF114963.D

Acq: 12 Jun 2019 00:13

Instrument :

BNA_F

ClientSampleId :

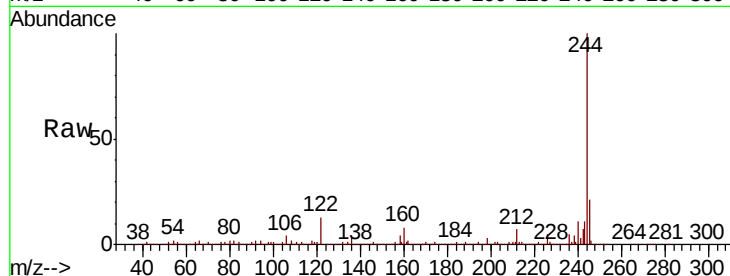
Tot Ion:244 Resp: 2259972

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

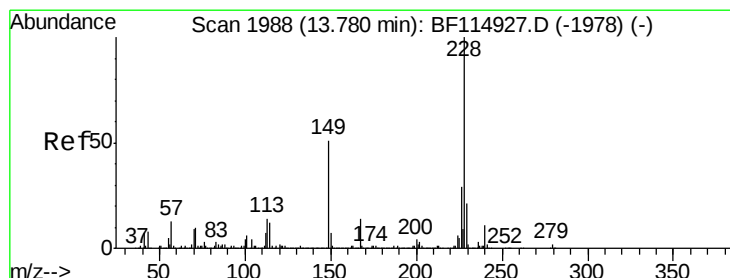
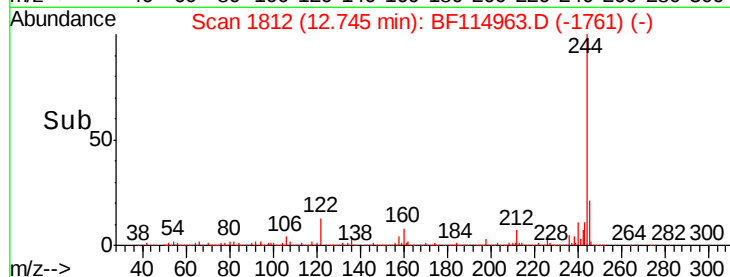
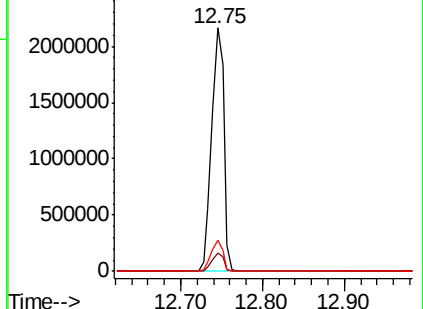
122 12.8 10.2 15.4



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: 6.927 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BF114963.D

Acq: 12 Jun 2019 00:13

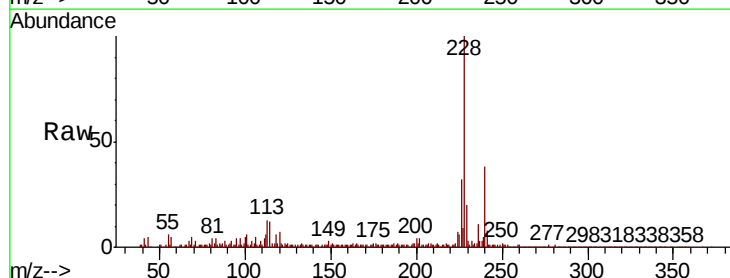
Tgt Ion:228 Resp: 286619

Ion Ratio Lower Upper

228 100

226 31.7 22.8 34.2

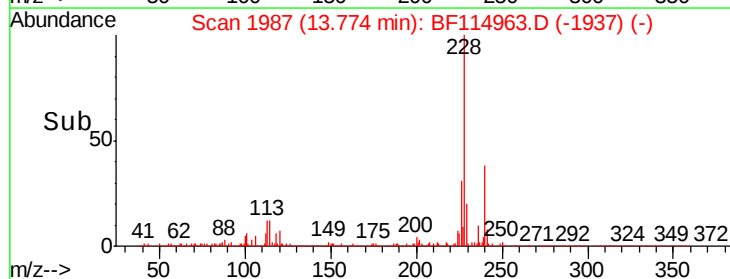
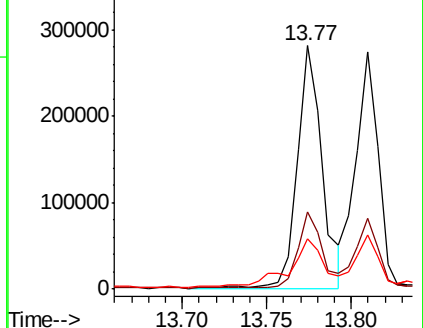
229 20.5 16.6 25.0

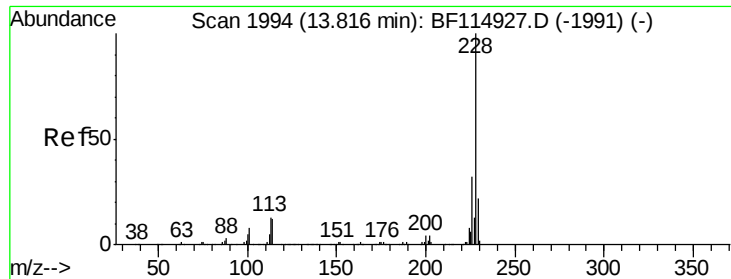


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

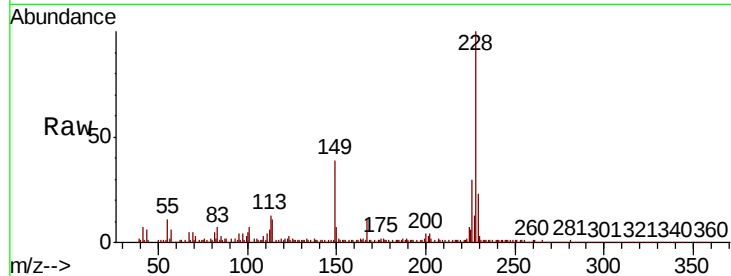




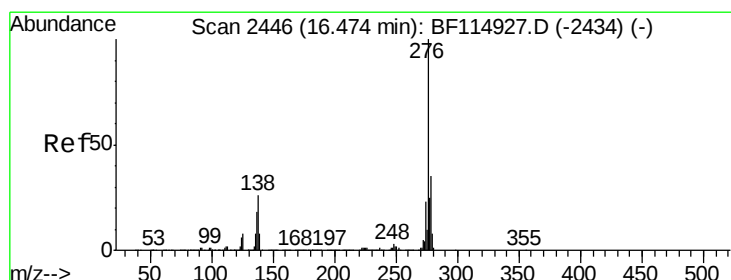
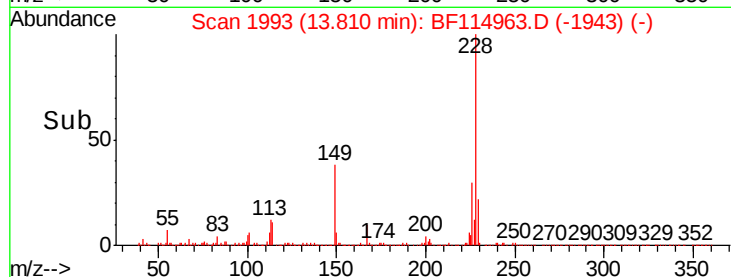
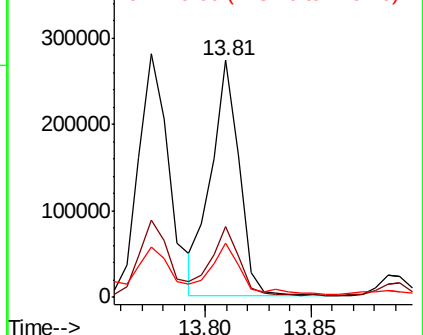
#83
Chrysene
Concen: 6.111 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF114963.D
Acq: 12 Jun 2019 00:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.8	38.8
229	22.9	17.2	25.8

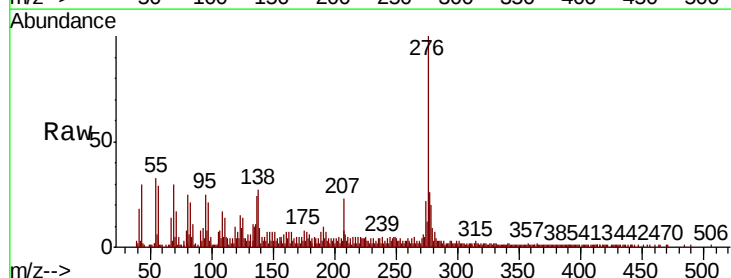


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

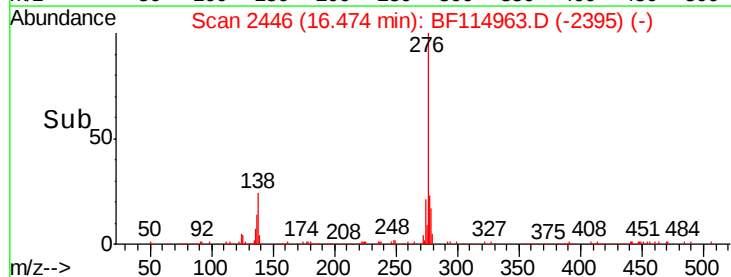
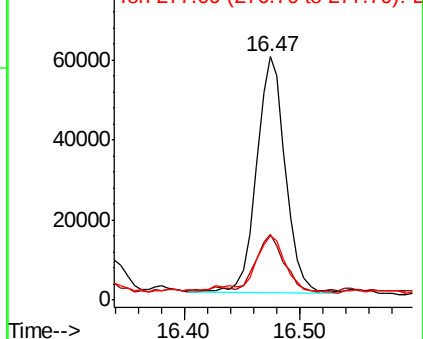


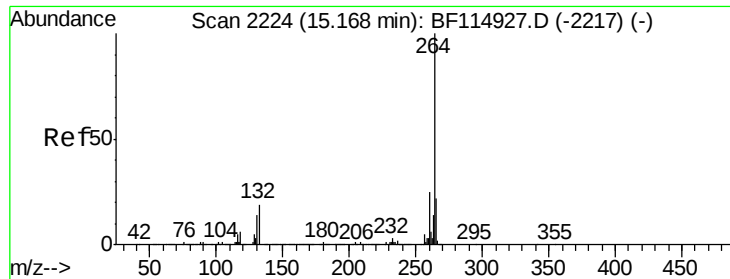
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.604 ng
RT: 16.47 min Scan# 2446
Delta R.T. 0.00 min
Lab File: BF114963.D
Acq: 12 Jun 2019 00:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	23.3	34.9
277	27.5	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: BF114963.D

Acq: 12 Jun 2019 00:13

Instrument :

BNA_F

ClientSampleId :

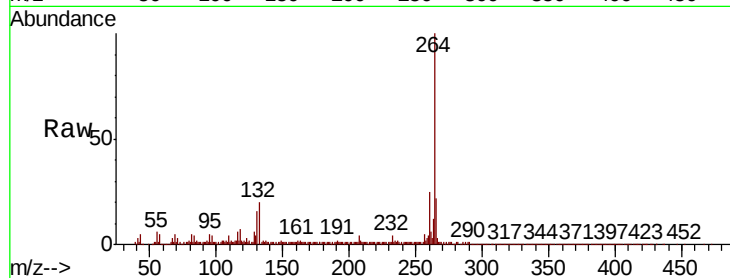
Tot Ion:264 Resp: 448429

Ion Ratio Lower Upper

264 100

260 24.6 19.7 29.5

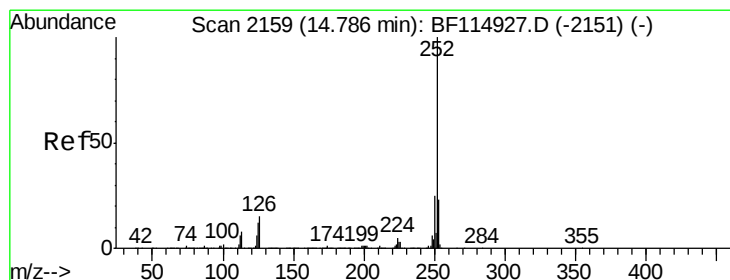
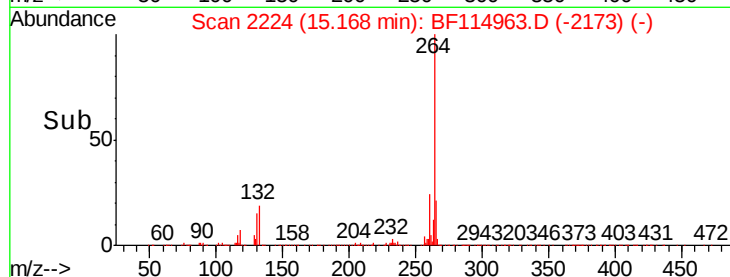
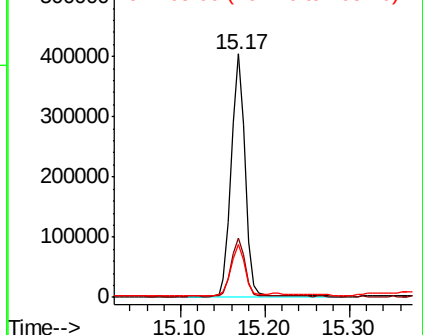
265 21.8 17.5 26.3



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: 12.217 ng

RT: 14.79 min Scan# 2159

Delta R.T. -0.00 min

Lab File: BF114963.D

Acq: 12 Jun 2019 00:13

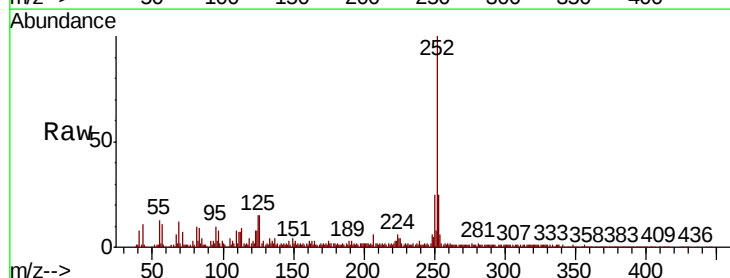
Tgt Ion:252 Resp: 356659

Ion Ratio Lower Upper

252 100

253 25.2 18.6 28.0

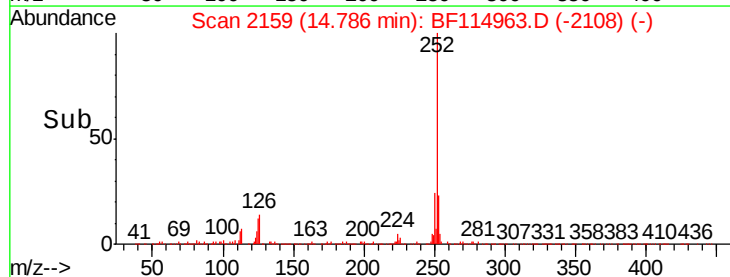
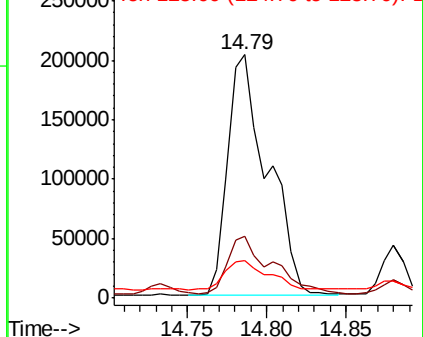
125 15.5 9.5 14.3#

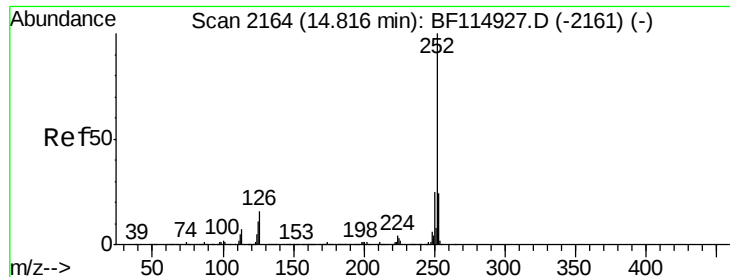


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

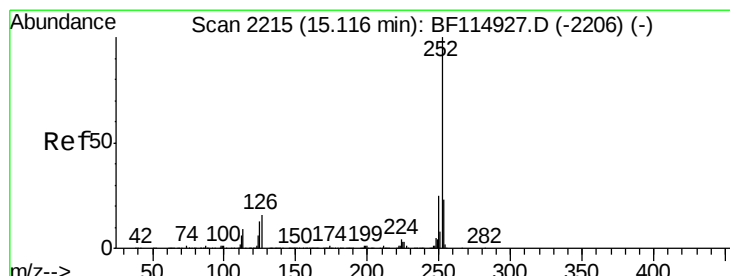
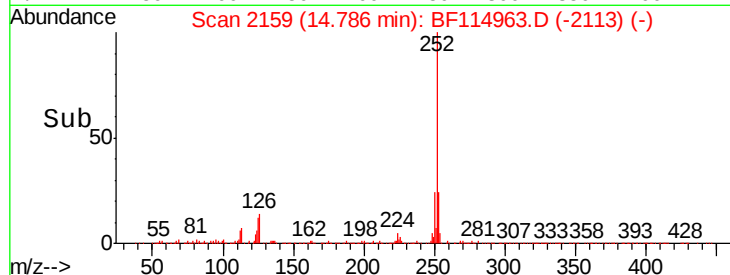
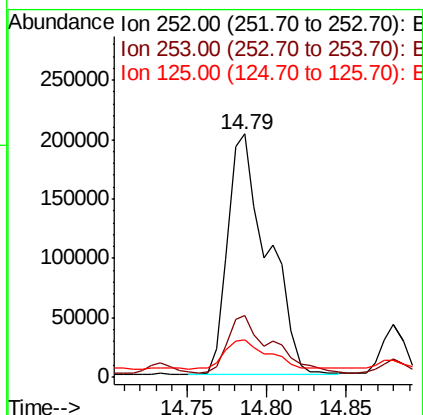
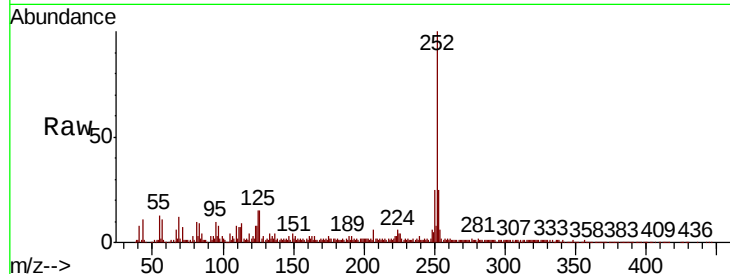




#89
Benzo(k)fluoranthene
Concen: 14.077 ng
RT: 14.79 min Scan# 2159
Delta R.T. -0.03 min
Lab File: BF114963.D
Acq: 12 Jun 2019 00:13

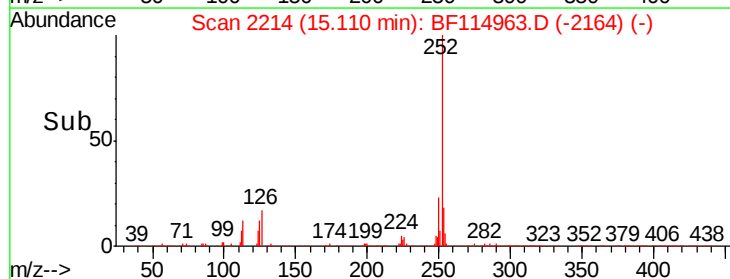
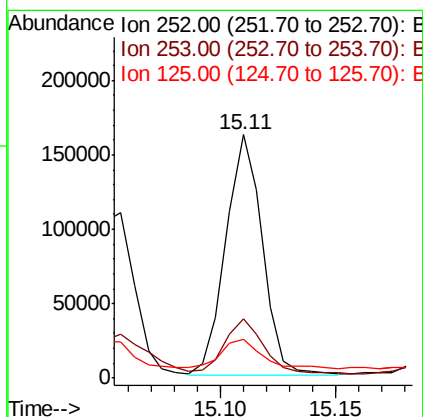
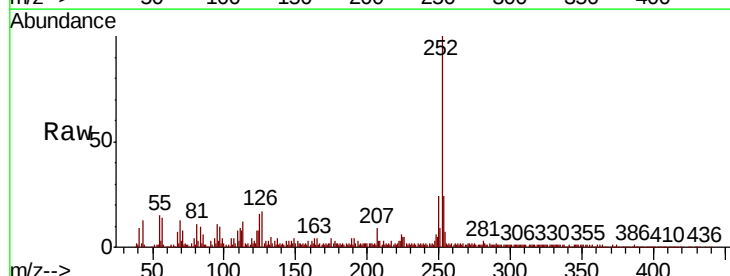
Instrument :
BNA_F
ClientSampleId :

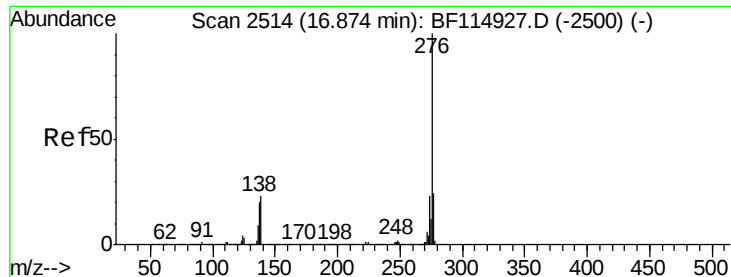
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.6	28.0
125	15.5	9.2	13.8



#90
Benzo(a)pyrene
Concen: 7.022 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF114963.D
Acq: 12 Jun 2019 00:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	15.7	10.1	15.1





#92

Benzo(a,h,i)perylene

Concen: 4.645 ng

RT: 16.87 min Scan# 2513

Delta R.T. -0.01 min

Lab File: BF114963.D

Acq: 12 Jun 2019 00:13

Instrument :

BNA_F

ClientSampleId :

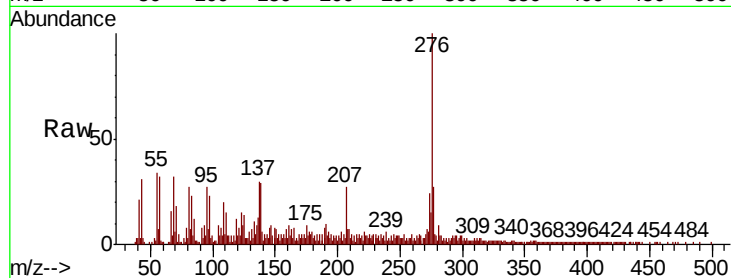
Tot Ion: 276 Resp: 99170

Ion Ratio Lower Upper

276 100

277 27.4 19.0 28.6

138 29.1 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

