

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118050.D
 Acq On : 27 Nov 2019 19:32
 Operator : JU
 Sample : K5977-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 28 00:16:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	136944	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	509153	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	245249	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	390291	20.00	ng	0.00
76) Chrysene-d12	14.08	240	312541	20.00	ng	0.00
87) Perylene-d12	15.59	264	301585	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	746102	96.44	ng	0.00
7) Phenol-d6	6.51	99	929329	99.59	ng	-0.01
23) Nitrobenzene-d5	7.45	82	560480	65.44	ng	-0.02
42) 2,4,6-Tribromophenol	10.73	330	240332	92.56	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1090743	79.79	ng	-0.01
79) Terphenyl-d14	13.02	244	1025173	59.95	ng	0.00

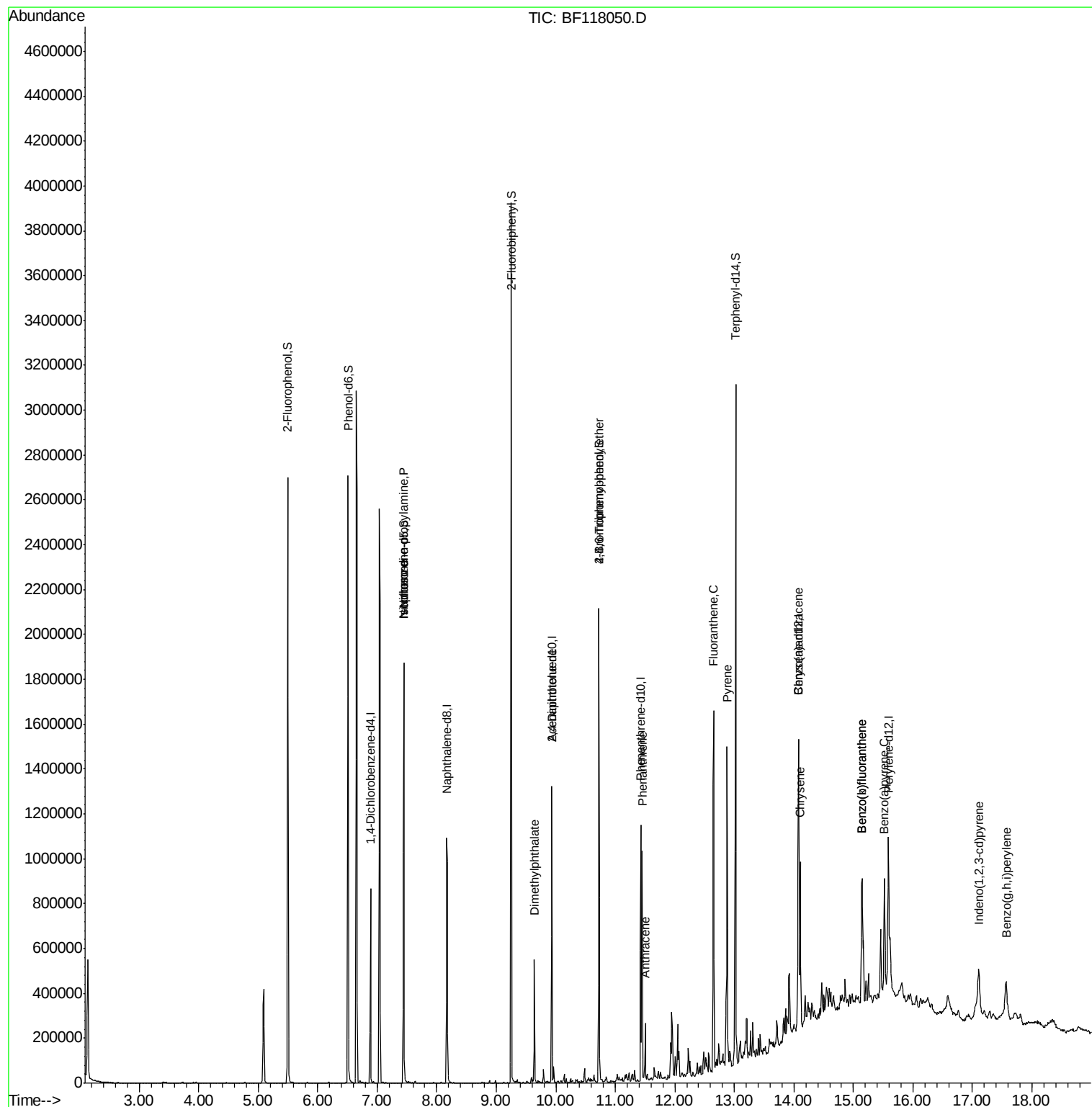
Target Compounds				Qvalue		
9) Benzaldehyde	6.51	77	1626	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.45	70	76299	13.254	ng	# 74
25) Isophorone	7.45	82	560475	35.703	ng	# 62
50) Dimethylphthalate	9.64	163	211073	12.273	ng	# 99
57) 2,4-Dinitrotoluene	9.93	165	32231	6.741	ng	# 25
67) 4-Bromophenyl-phenylether	10.73	248	15682	3.724	ng	# 1
71) Phenanthrene	11.45	178	341982	17.428	ng	97
72) Anthracene	11.50	178	90177	4.635	ng	97
75) Fluoranthene	12.65	202	584128	30.218	ng	97
78) Pyrene	12.88	202	558927	22.129	ng	98
81) Benzo(a)anthracene	14.07	228	308190	14.922	ng	97
83) Chrysene	14.11	228	277640	13.873	ng	97
86) Indeno(1,2,3-cd)pyrene	17.10	276	98425	5.779	ng	94
88) Benzo(b)fluoranthene	15.14	252	437042	22.305	ng	98
89) Benzo(k)fluoranthene	15.14	252	437042	23.672	ng	97
90) Benzo(a)pyrene	15.52	252	229395	13.314	ng	99
92) Benzo(a,h,i)perylene	17.56	276	94213	6.378	ng	96

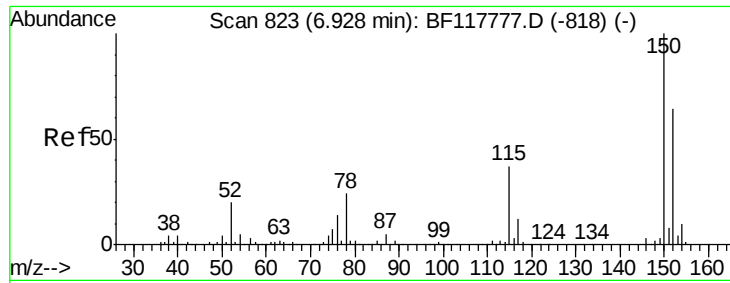
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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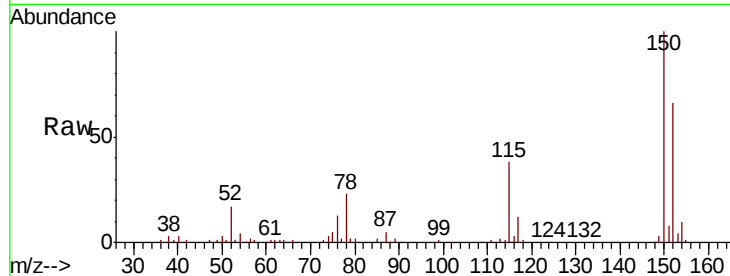


#1

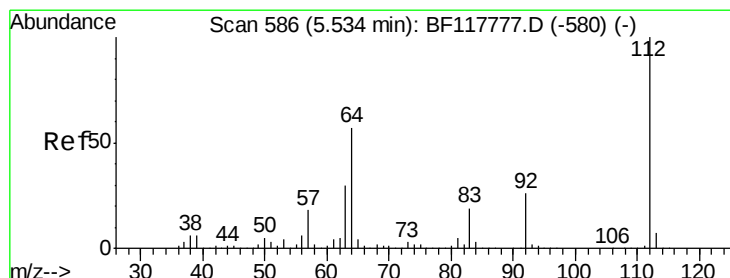
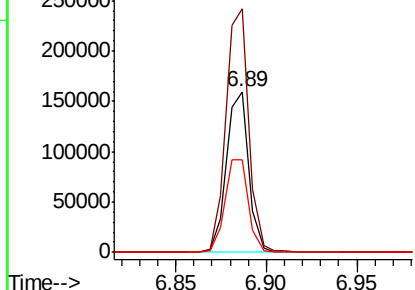
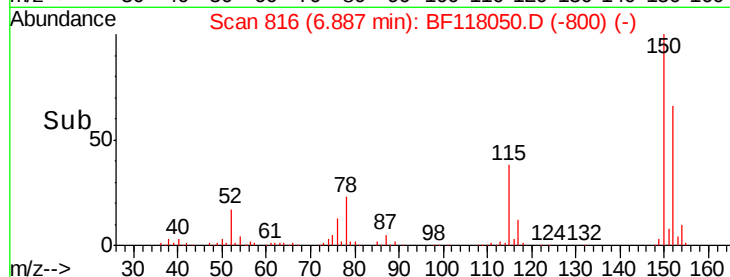
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF118050.D
 Acq: 27 Nov 2019 19:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 136944
 Ion Ratio Lower Upper
 152 100
 150 151.3 125.3 187.9
 115 57.7 47.0 70.4



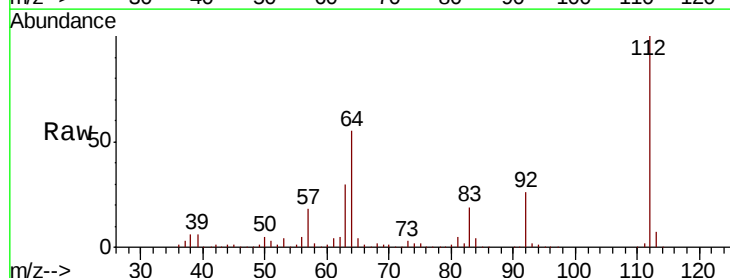
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



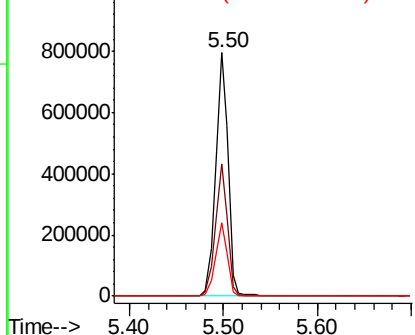
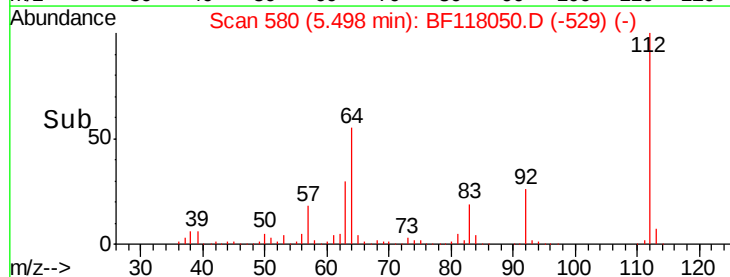
#5

2-Fluorophenol
 Concen: 96.439 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: BF118050.D
 Acq: 27 Nov 2019 19:32

Tgt Ion:112 Resp: 746102
 Ion Ratio Lower Upper
 112 100
 64 54.6 45.6 68.4
 63 30.1 24.1 36.1



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: 99.591 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118050.D

Acq: 27 Nov 2019 19:32

Instrument :

BNA_F

ClientSampleId :

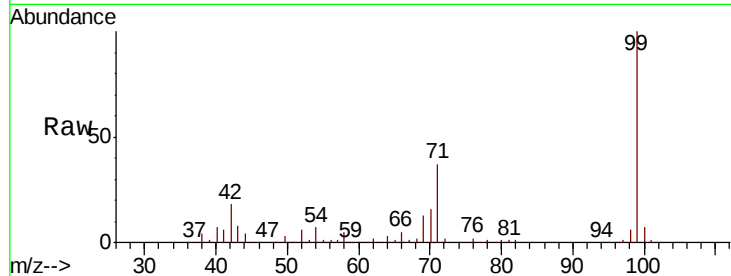
Tot Ion: 99 Resp: 929329

Ion Ratio Lower Upper

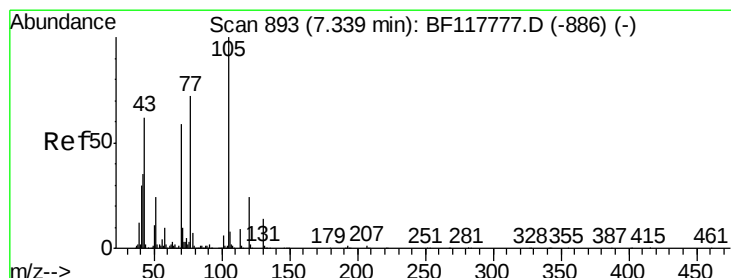
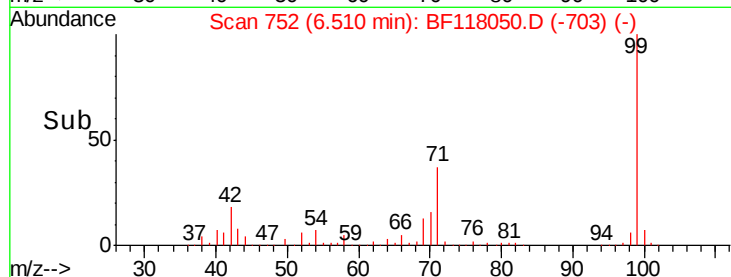
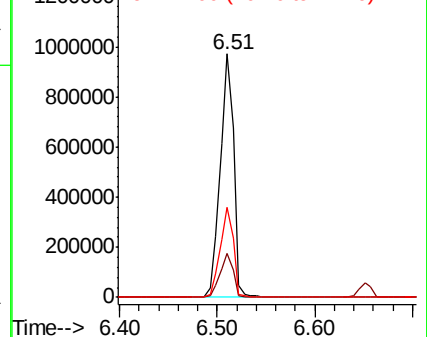
99 100

42 17.9 14.9 22.3

71 37.2 28.6 43.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.254 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF118050.D

Acq: 27 Nov 2019 19:32

Tgt Ion: 70 Resp: 76299

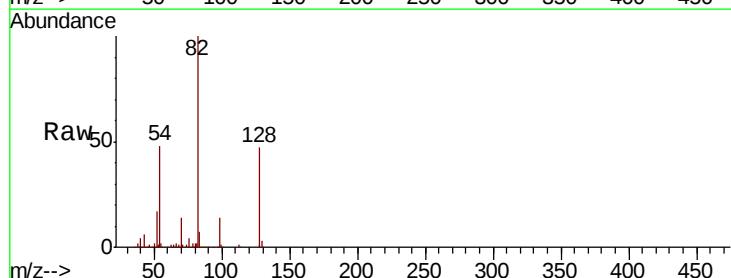
Ion Ratio Lower Upper

70 100

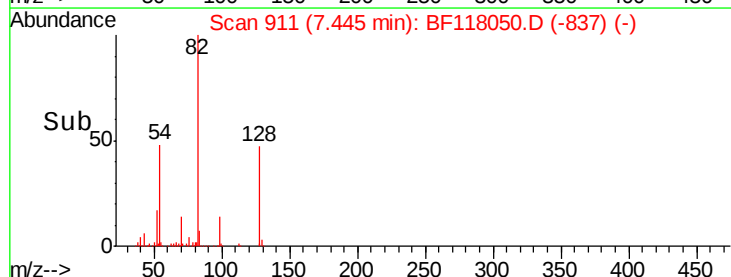
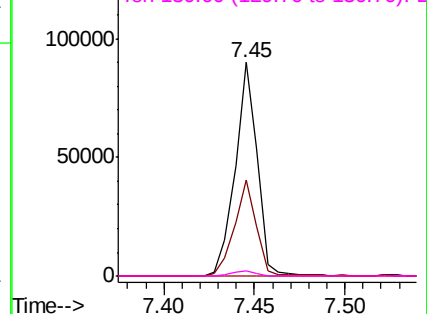
42 44.9 47.4 71.2#

101 0.0 8.4 12.6#

130 2.4 18.8 28.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

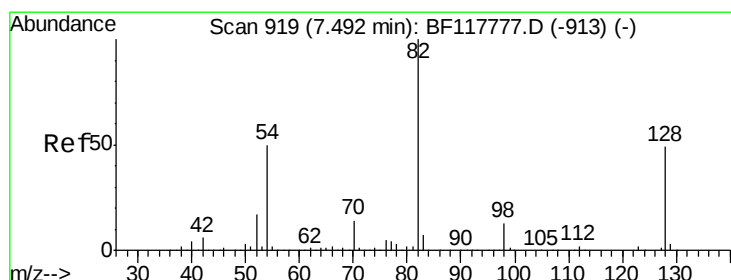
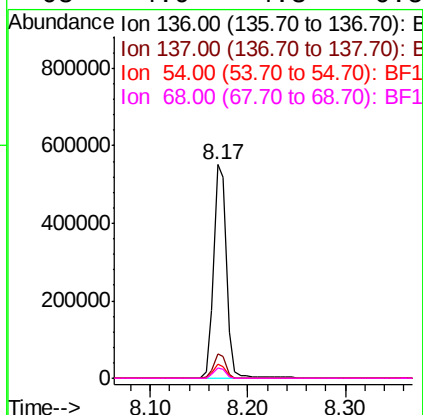
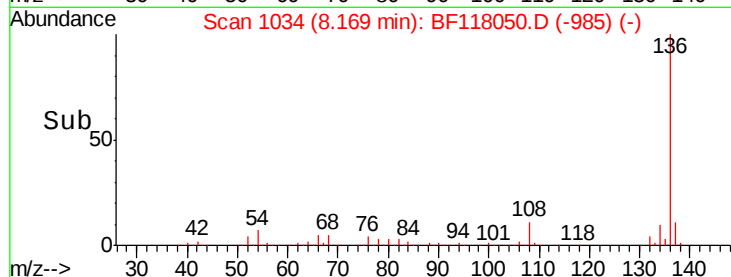
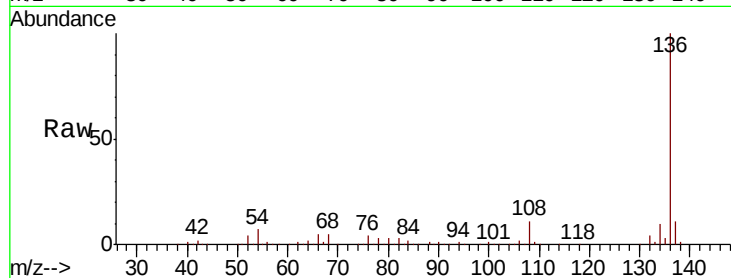




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF118050.D
Acq: 27 Nov 2019 19:32

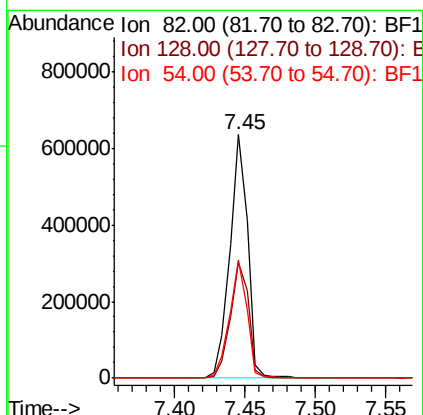
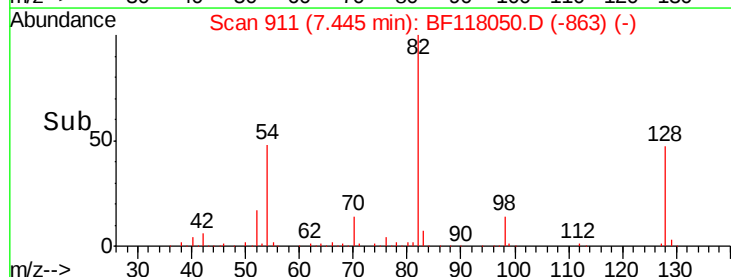
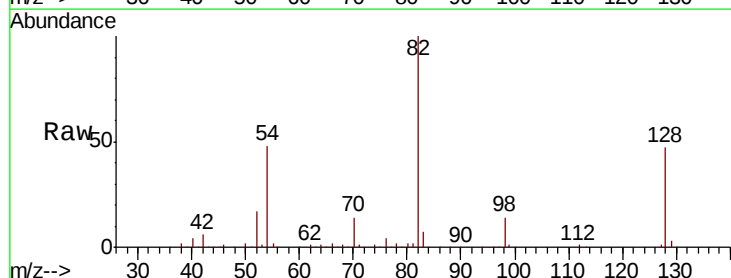
Instrument :
BNA_F
ClientSampleId :

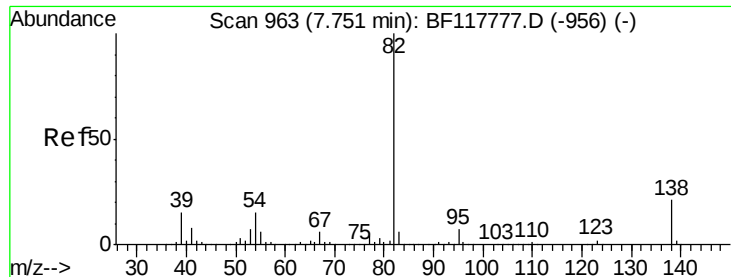
Tot Ion:136	Resp:	509153
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.0 13.4
54	6.9	5.4 8.2
68	4.9	4.3 6.5



#23
Nitrobenzene-d5
Concen: 65.439 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF118050.D
Acq: 27 Nov 2019 19:32

Tgt Ion: 82	Resp:	560480
Ion Ratio	Lower	Upper
82	100	
128	47.4	38.9 58.3
54	48.4	39.8 59.6





#25

Isophorone

Concen: 35.703 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF118050.D

Acq: 27 Nov 2019 19:32

Instrument :

BNA_F

ClientSampleId :

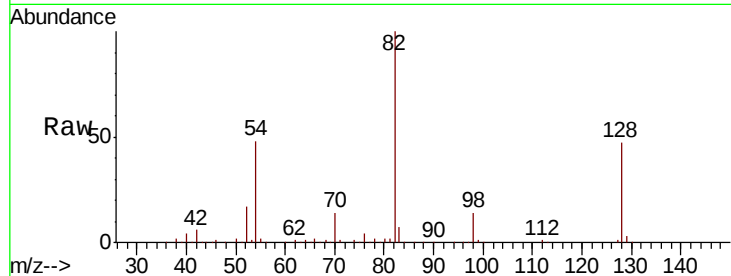
Tot Ion: 82 Resp: 560475

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 16.5 24.7#

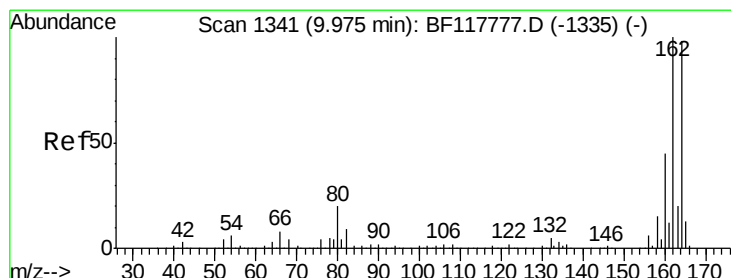
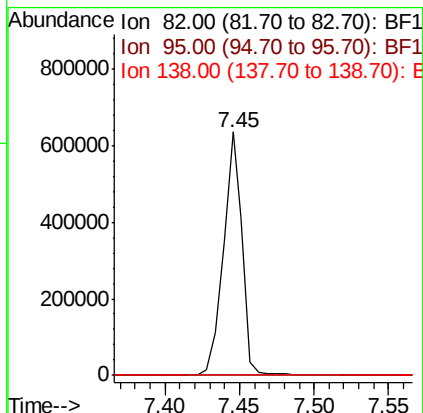
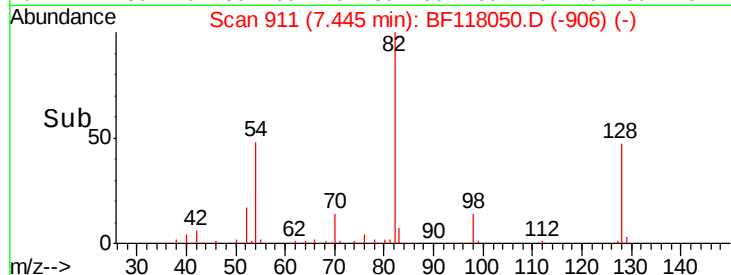


Abundance Ion 82.00 (81.70 to 82.70): BF117777.D (-956) (-)

Ion 95.00 (94.70 to 95.70): BF117777.D (-956) (-)

Ion 138.00 (137.70 to 138.70): BF117777.D (-956) (-)

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF118050.D

Acq: 27 Nov 2019 19:32

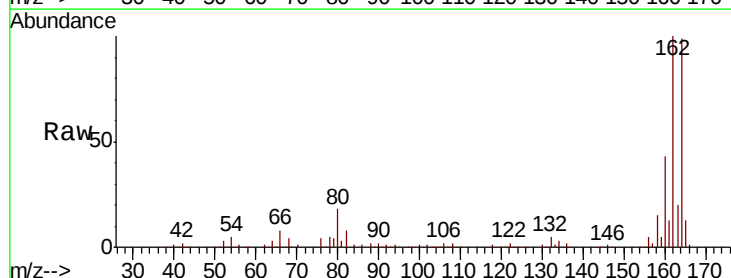
Tgt Ion: 164 Resp: 245249

Ion Ratio Lower Upper

164 100

162 101.1 81.3 121.9

160 43.9 36.6 55.0

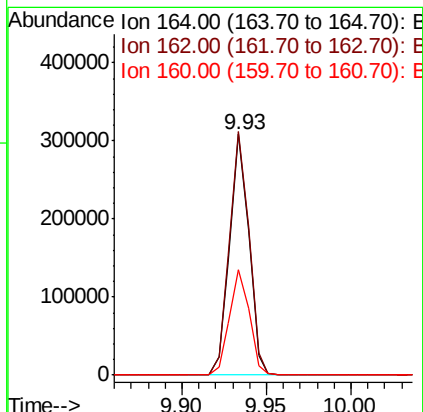
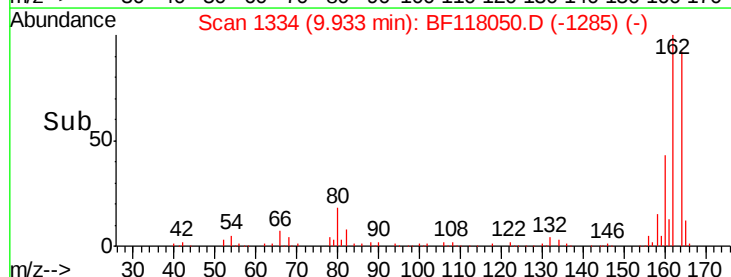


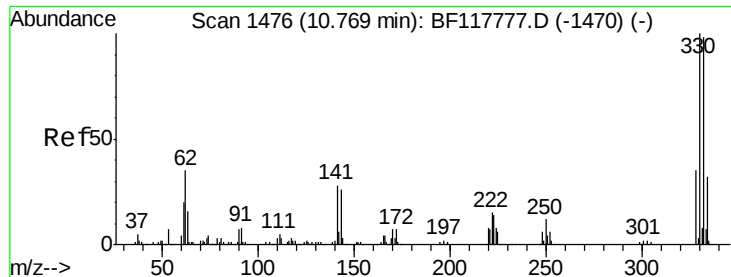
Abundance Ion 164.00 (163.70 to 164.70): BF117777.D (-1335) (-)

Ion 162.00 (161.70 to 162.70): BF117777.D (-1335) (-)

Ion 160.00 (159.70 to 160.70): BF117777.D (-1335) (-)

Time-->

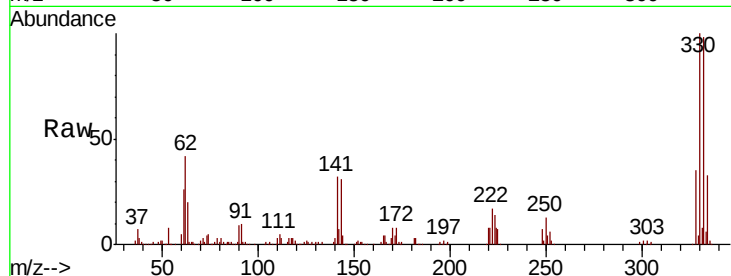




#42
 2,4,6-Tribromophenol
 Concen: 92.563 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF118050.D
 Acq: 27 Nov 2019 19:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	33.5	27.7	41.5

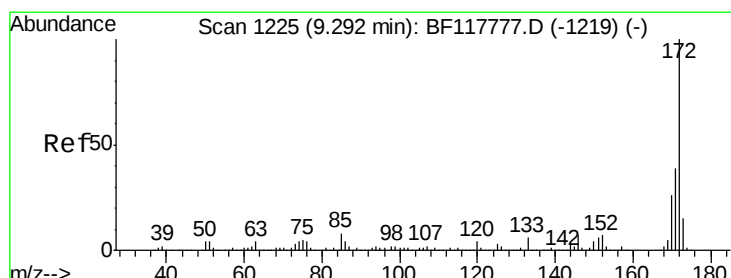
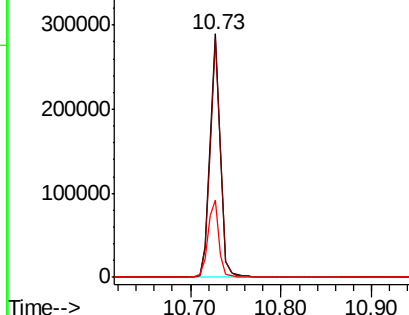
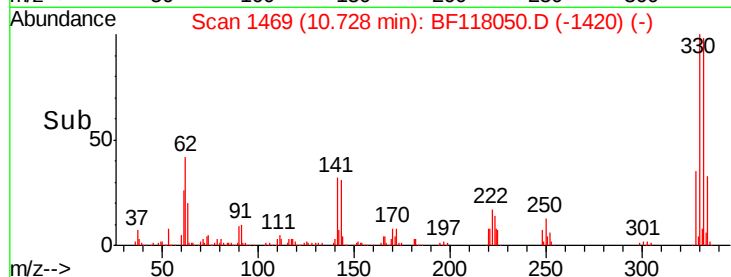


Abundance

Ion 329.80 (329.50 to 330.50): E

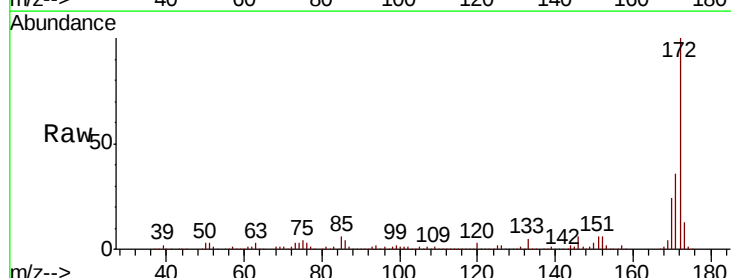
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 79.790 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF118050.D
 Acq: 27 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.9	46.3
170	23.8	21.0	31.4

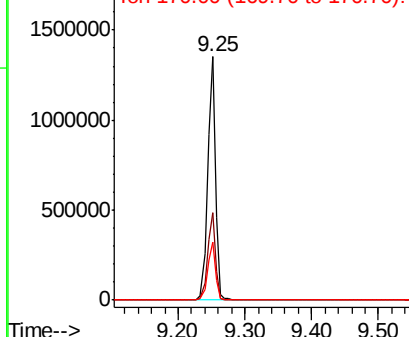
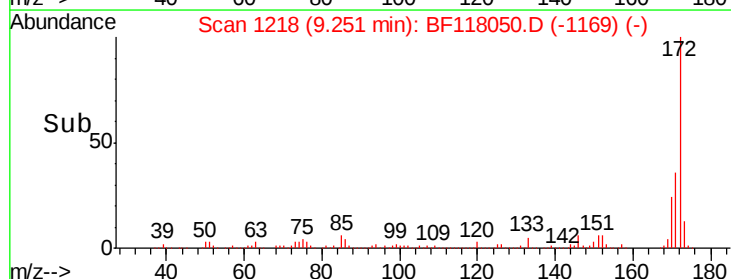


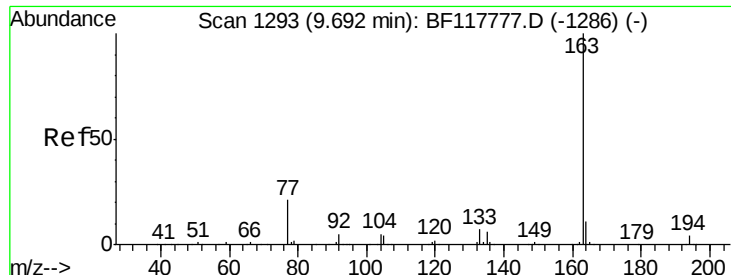
Abundance

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: 12.273 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.03 min

Lab File: BF118050.D

Acq: 27 Nov 2019 19:32

Instrument :

BNA_F

ClientSampleId :

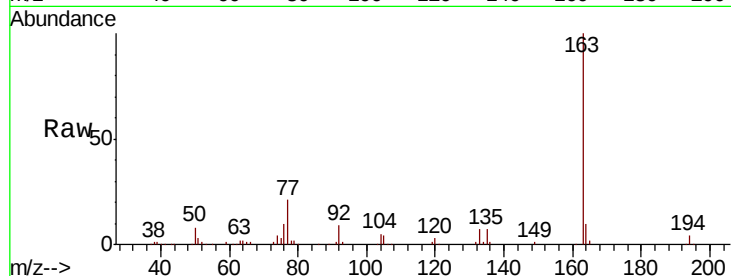
Tot Ion:163 Resp: 211073

Ion Ratio Lower Upper

163 100

194 3.6 3.3 4.9

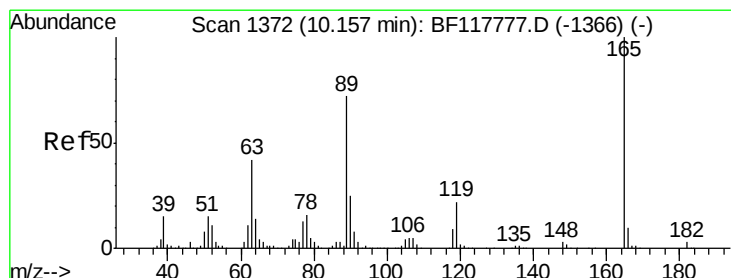
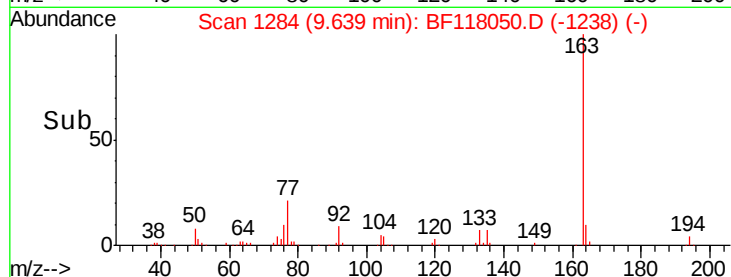
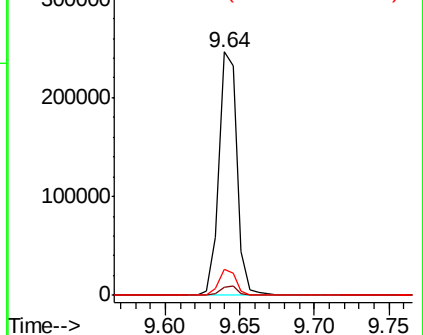
164 10.4 8.7 13.1



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: 6.741 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.20 min

Lab File: BF118050.D

Acq: 27 Nov 2019 19:32

Tgt Ion:165 Resp: 32231

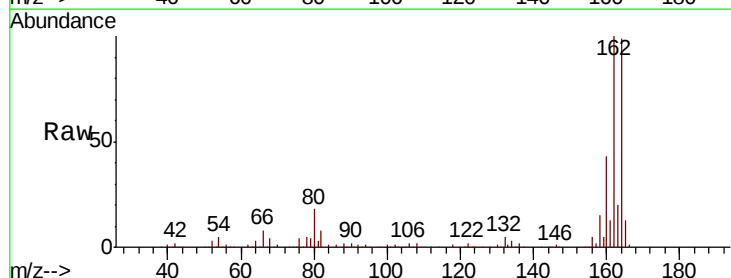
Ion Ratio Lower Upper

165 100

63 1.6 33.7 50.5#

89 1.3 57.3 85.9#

182 0.0 2.3 3.5#

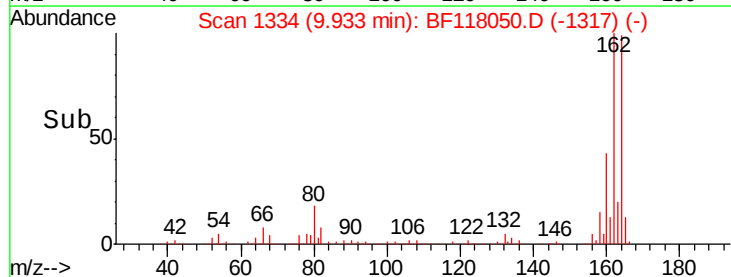
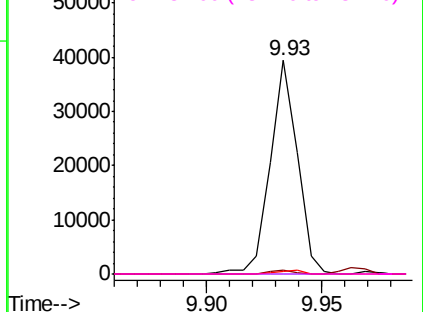


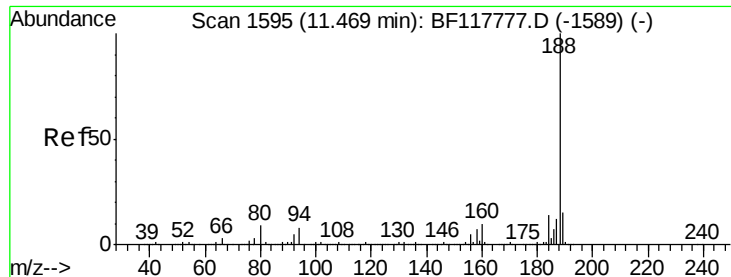
Abundance Ion 165.00 (164.70 to 165.70): E

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

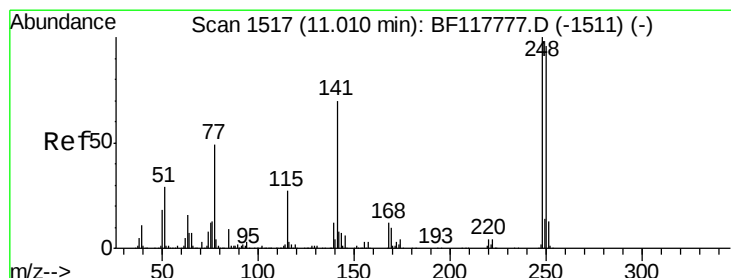
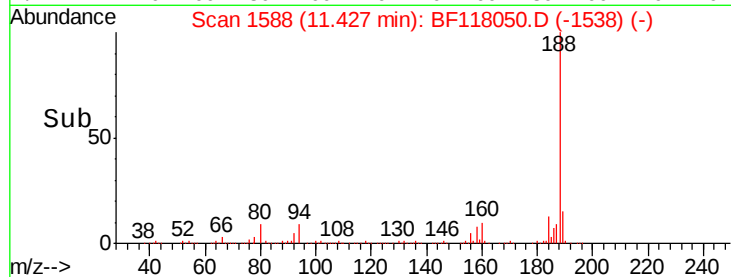
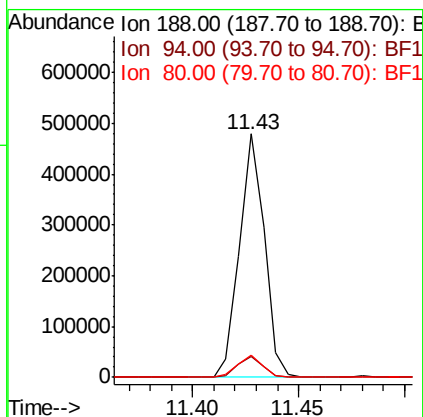
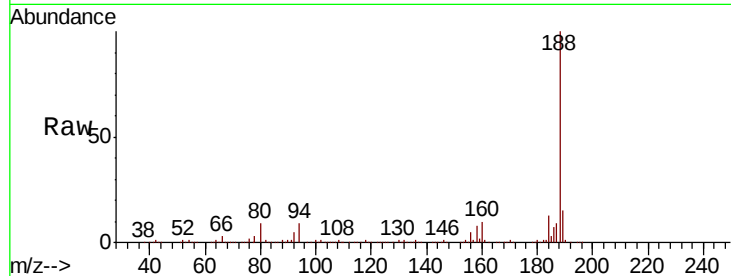




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF118050.D
 Acq: 27 Nov 2019 19:32

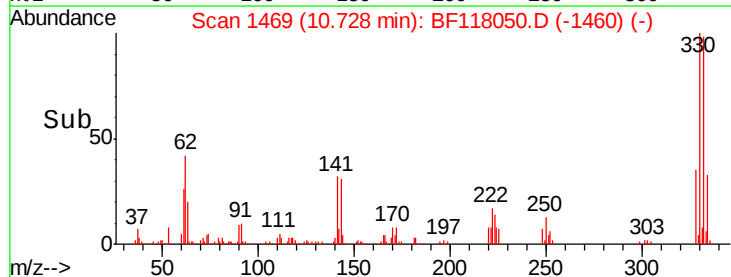
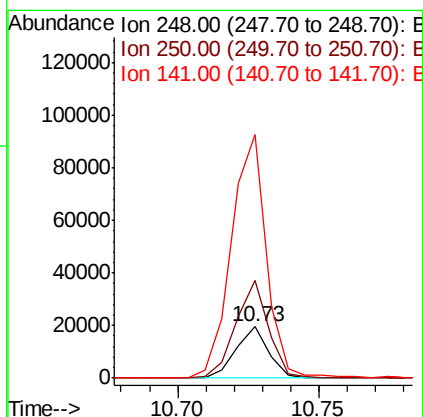
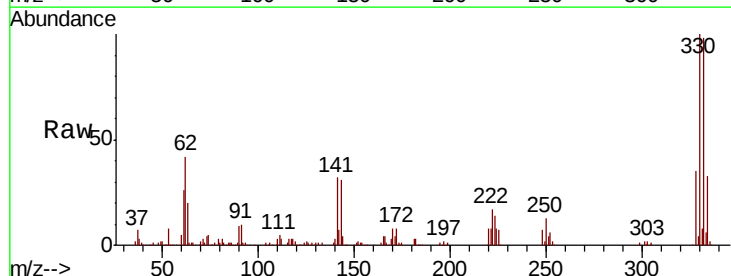
Instrument :
 BNA_F
 ClientSampleId :

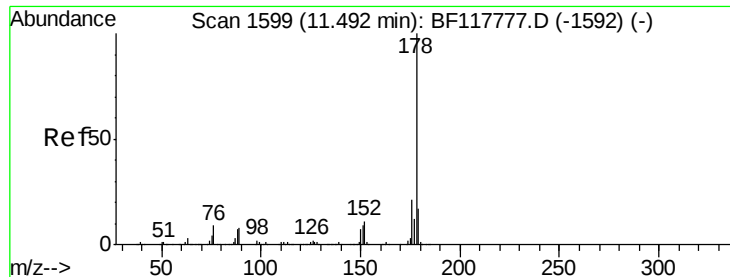
Tot Ion:188 Resp: 390291
 Ion Ratio Lower Upper
 188 100
 94 8.8 6.6 10.0
 80 9.1 7.2 10.8



#67
 4-Bromophenyl-phenylether
 Concen: 3.724 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.25 min
 Lab File: BF118050.D
 Acq: 27 Nov 2019 19:32

Tgt Ion:248 Resp: 15682
 Ion Ratio Lower Upper
 248 100
 250 190.4 76.6 115.0#
 141 476.1 55.9 83.9#

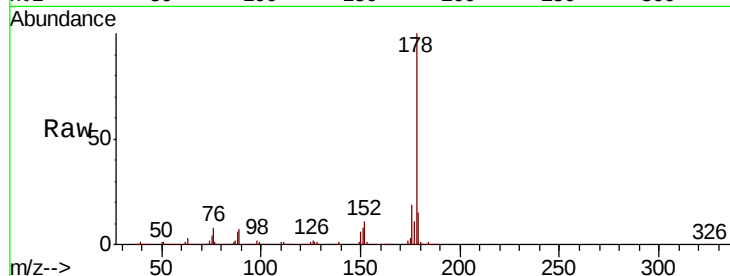




#71
Phenanthrene
Concen: 17.428 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF118050.D
Acq: 27 Nov 2019 19:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.6	25.0
179	15.4	13.2	19.8

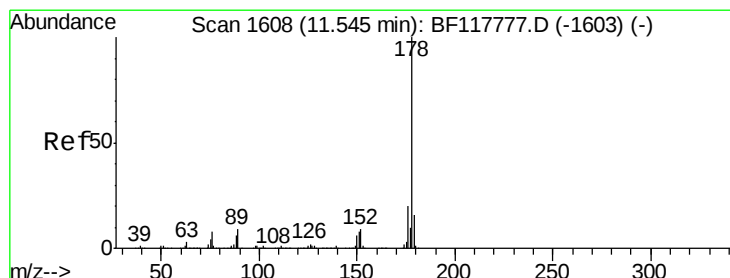
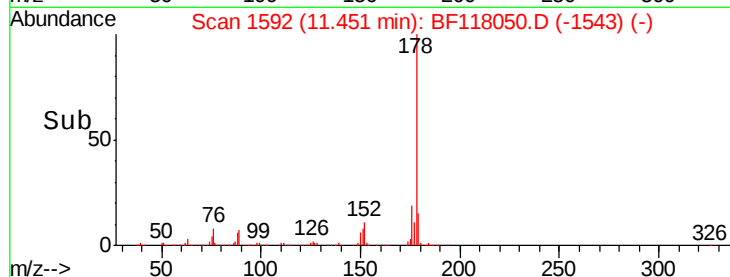
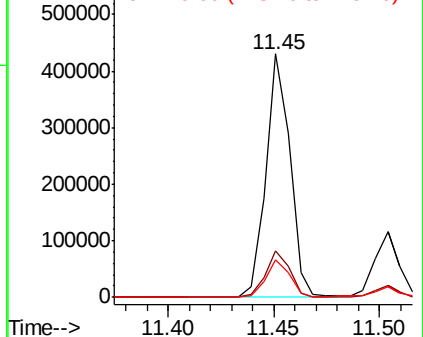


Abundance

Ion 178.00 (177.70 to 178.70): E

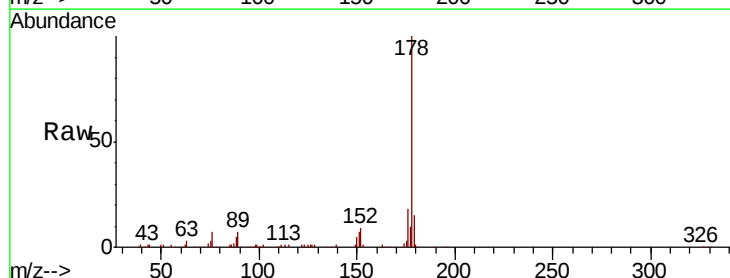
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 4.635 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF118050.D
Acq: 27 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.1	24.1
179	15.4	13.0	19.4

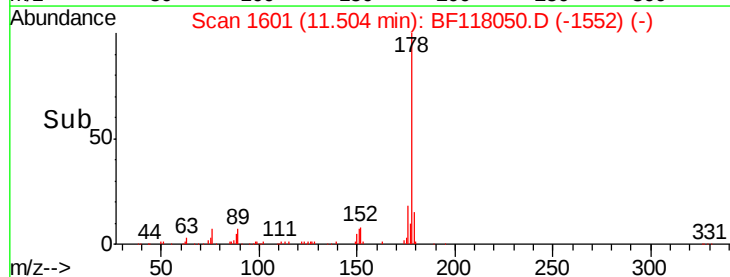
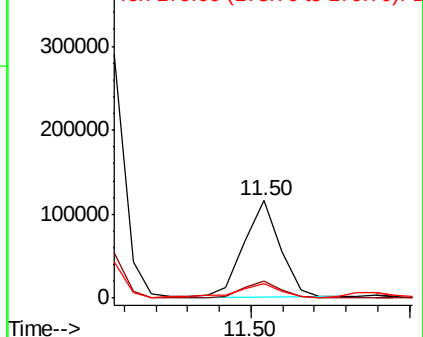


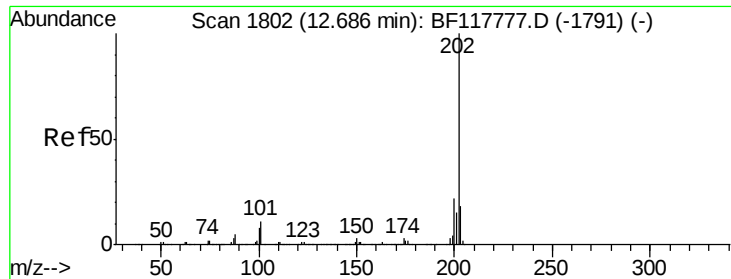
Abundance

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





#75

Fluoranthene

Concen: 30.218 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BF118050.D

Acq: 27 Nov 2019 19:32

Instrument :

BNA_F

ClientSampleId :

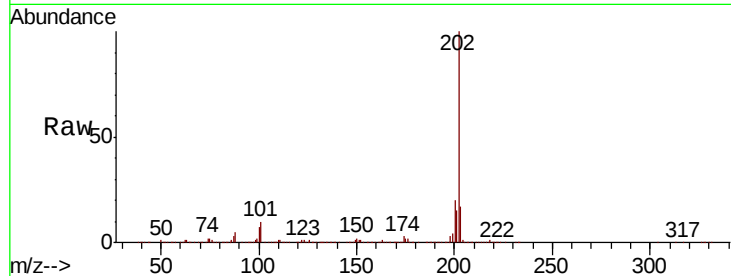
Tot Ion:202 Resp: 584128

Ion Ratio Lower Upper

202 100

101 9.5 0.0 31.1

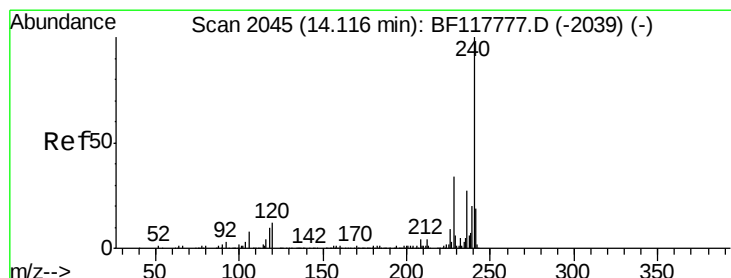
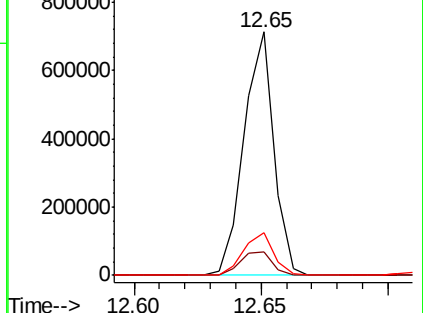
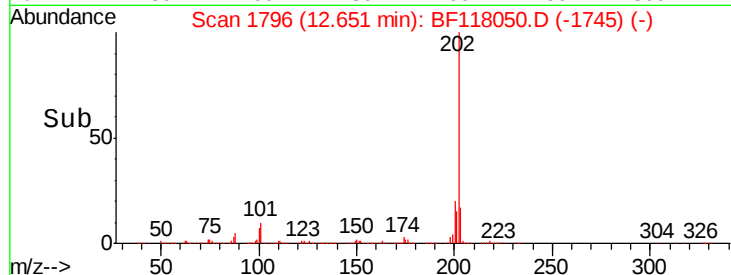
203 17.4 0.0 38.2



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: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF118050.D

Acq: 27 Nov 2019 19:32

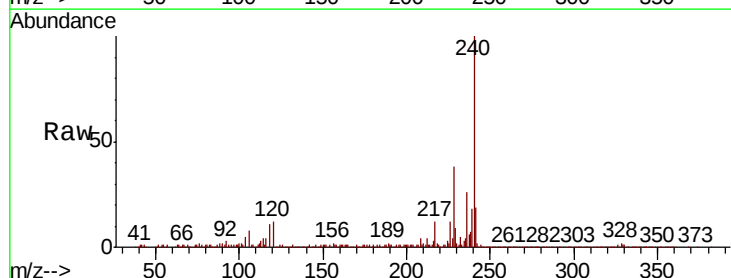
Tgt Ion:240 Resp: 312541

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

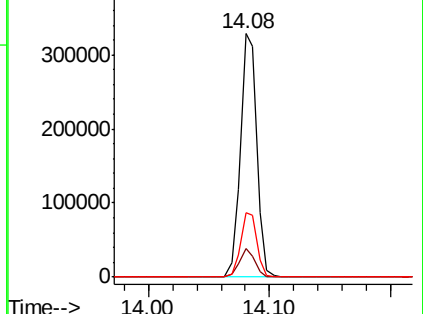
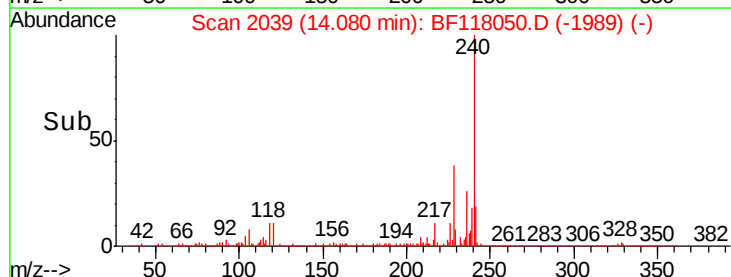
236 26.2 21.3 31.9

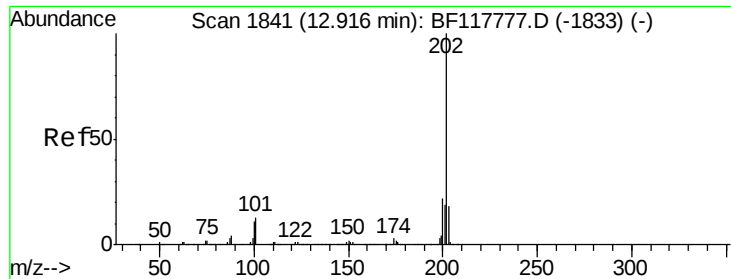


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 22.129 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF118050.D

Acq: 27 Nov 2019 19:32

Instrument :

BNA_F

ClientSampleId :

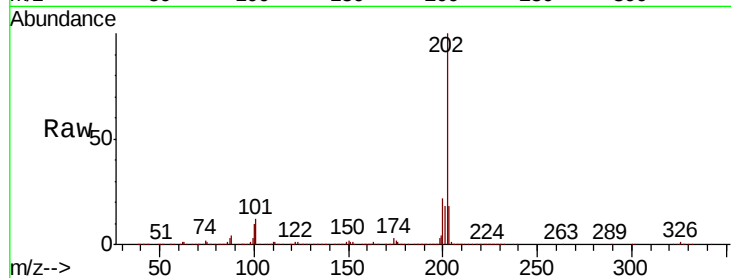
Tot Ion:202 Resp: 558927

Ion Ratio Lower Upper

202 100

200 21.5 17.8 26.8

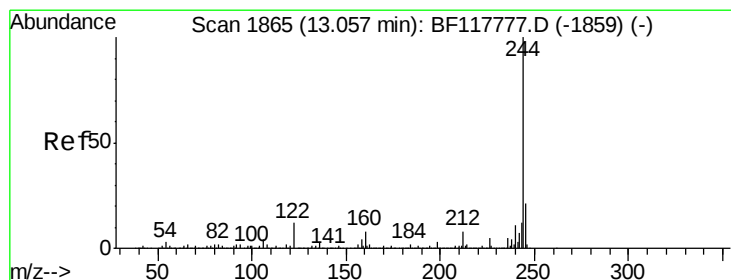
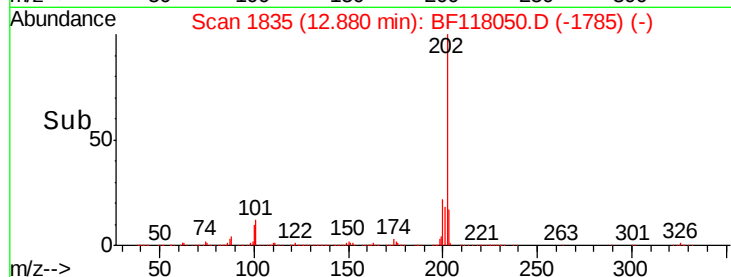
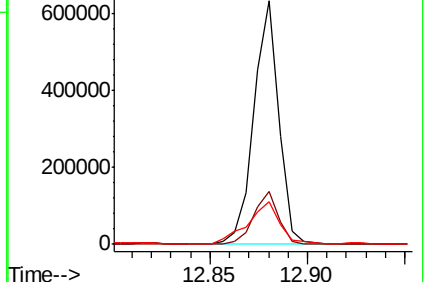
203 17.5 14.6 22.0



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: 59.948 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF118050.D

Acq: 27 Nov 2019 19:32

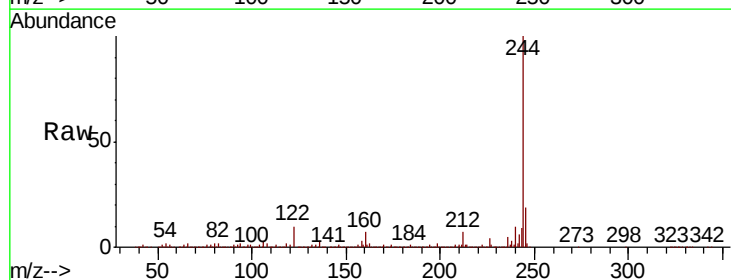
Tgt Ion:244 Resp: 1025173

Ion Ratio Lower Upper

244 100

212 6.7 6.3 9.5

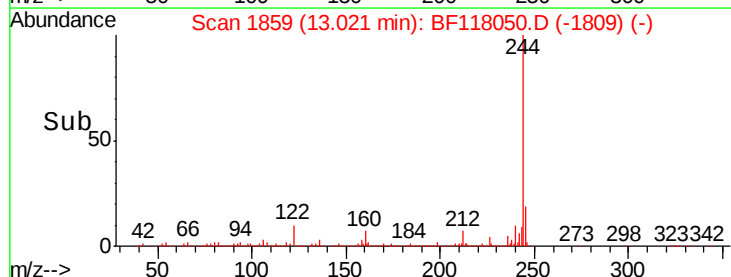
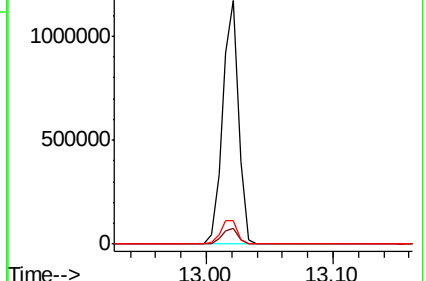
122 9.9 9.4 14.2

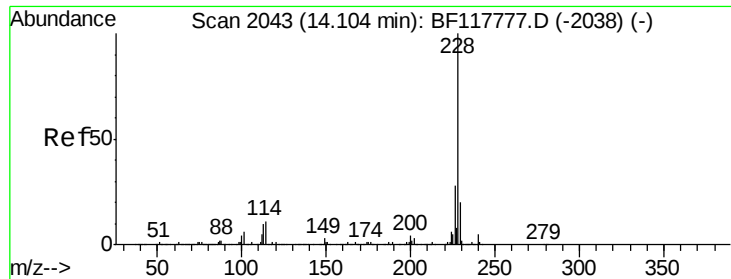


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

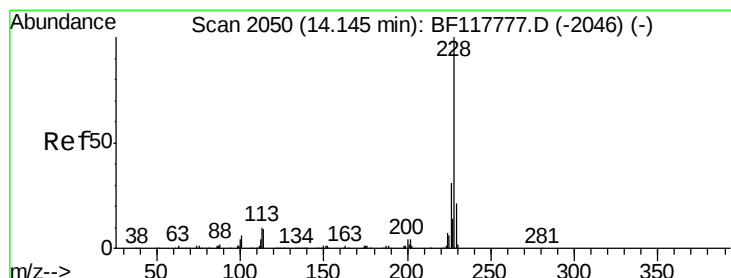
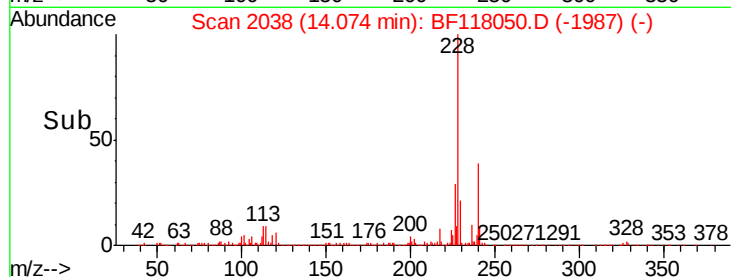
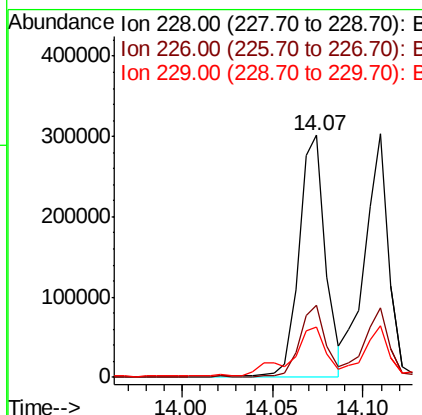
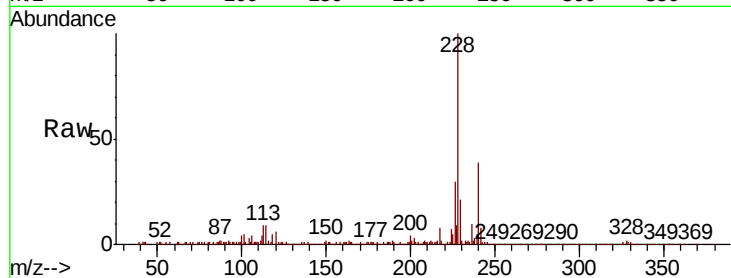




#81
Benzo(a)anthracene
Concen: 14.922 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF118050.D
Acq: 27 Nov 2019 19:32

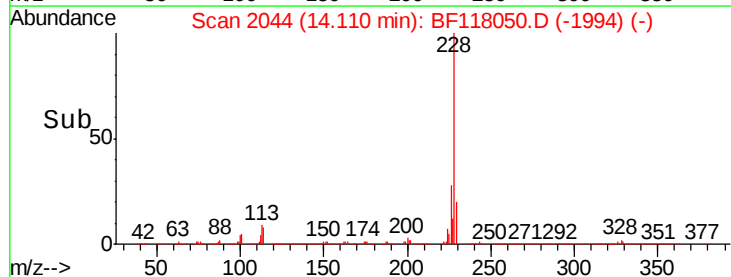
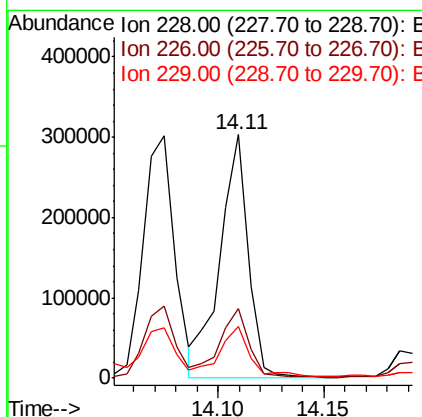
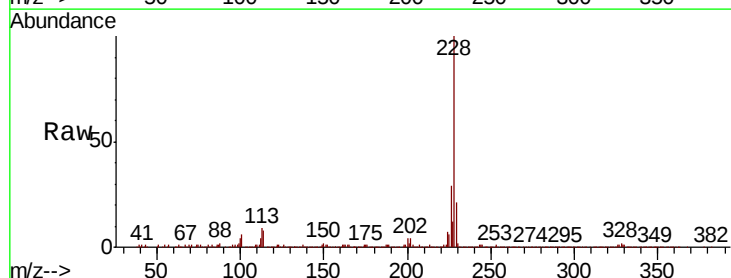
Instrument :
BNA_F
ClientSampleId :

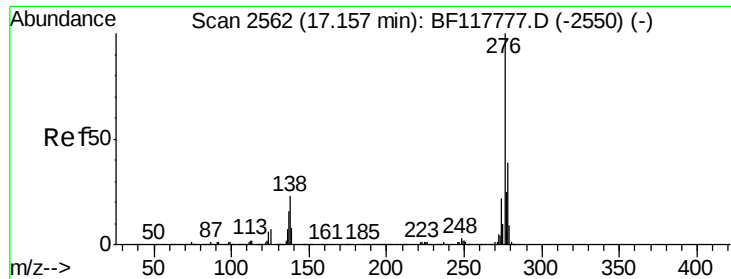
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.2	33.2
229	21.1	15.9	23.9



#83
Chrysene
Concen: 13.873 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF118050.D
Acq: 27 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	25.0	37.4
229	21.2	16.6	25.0

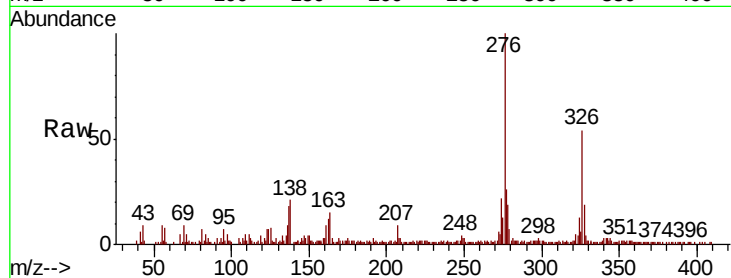




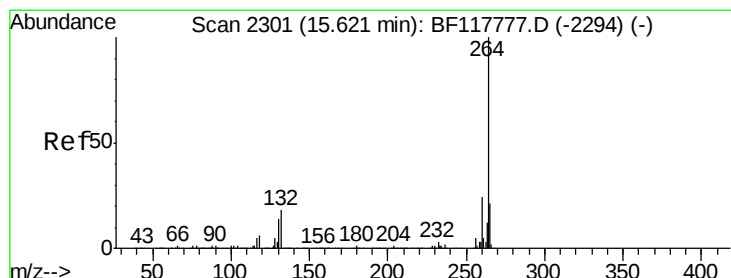
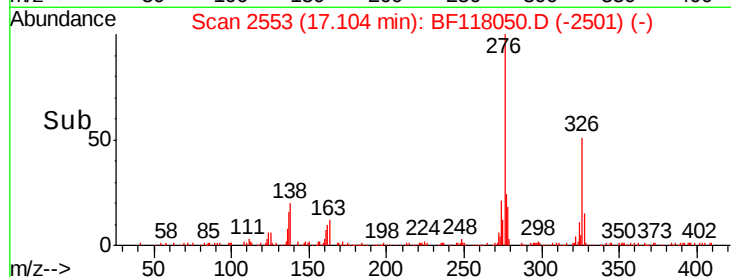
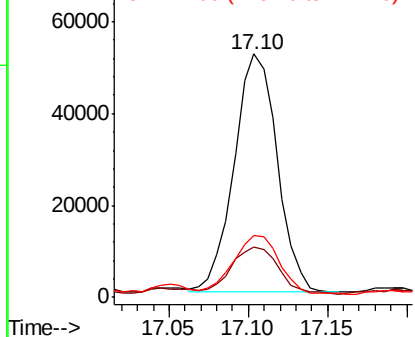
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.779 ng
 RT: 17.10 min Scan# 2553
 Delta R.T. 0.01 min
 Lab File: BF118050.D
 Acq: 27 Nov 2019 19:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	20.9	31.3
277	26.3	20.3	30.5

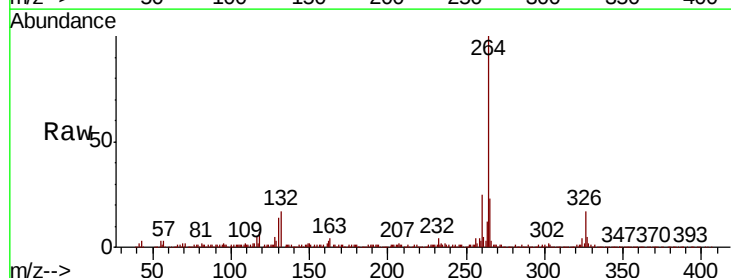


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

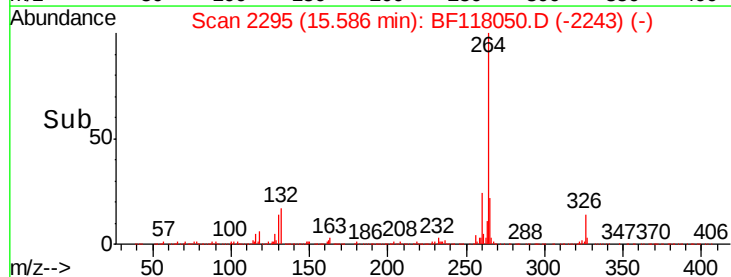
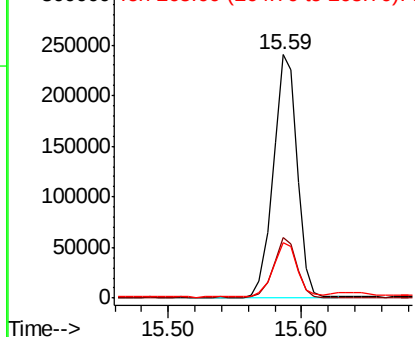


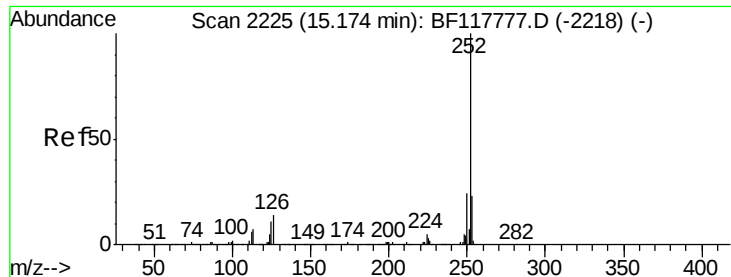
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.59 min Scan# 2295
 Delta R.T. 0.01 min
 Lab File: BF118050.D
 Acq: 27 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.0
265	22.6	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

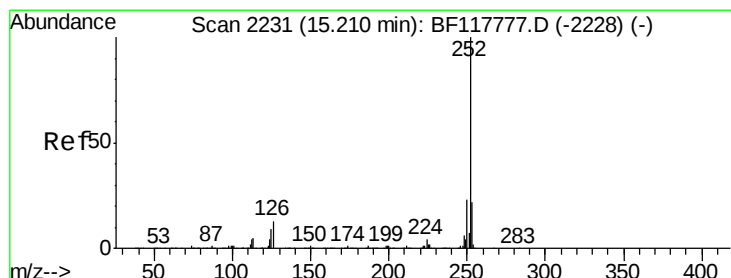
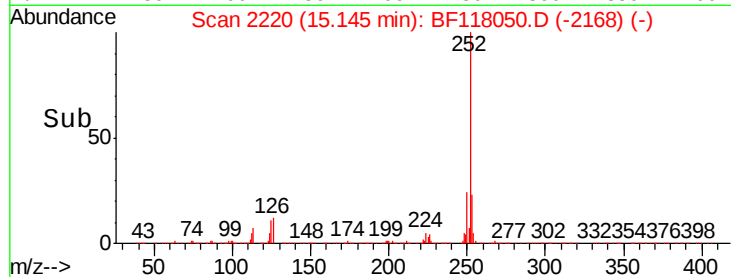
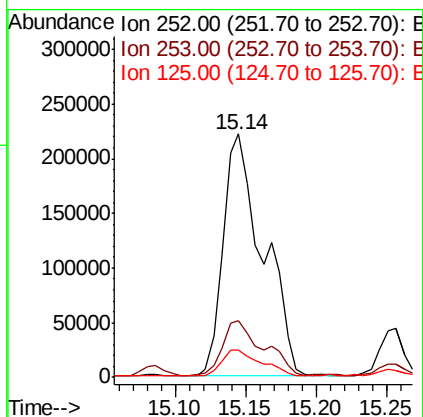
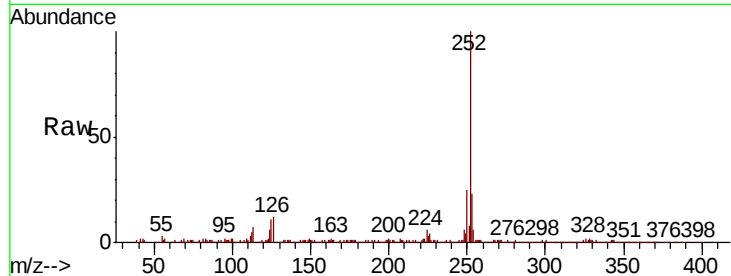




#88
Benzo(b)fluoranthene
Concen: 22.305 ng
RT: 15.14 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF118050.D
Acq: 27 Nov 2019 19:32

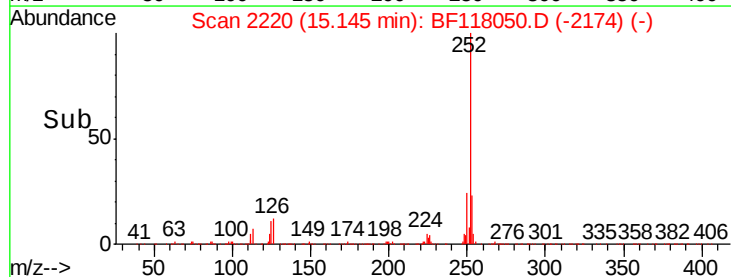
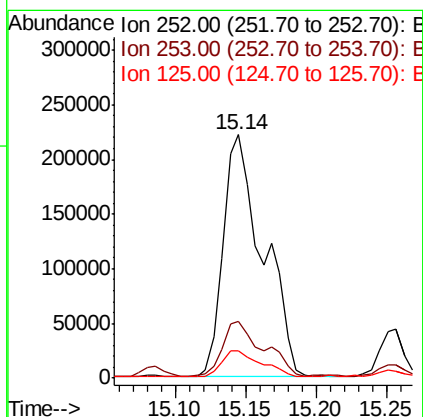
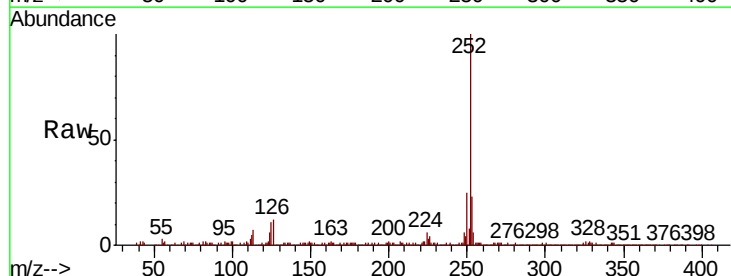
Instrument :
BNA_F
ClientSampleId :

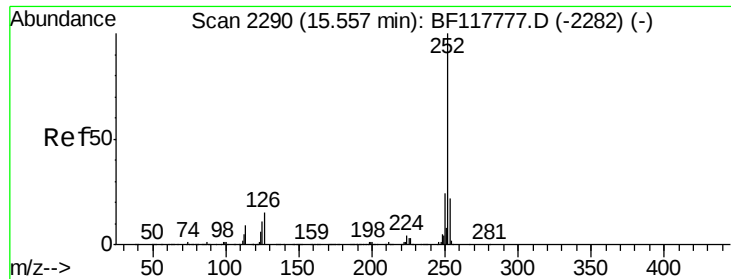
Tot Ion:252 Resp: 437042
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 11.4 8.6 13.0



#89
Benzo(k)fluoranthene
Concen: 23.672 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.03 min
Lab File: BF118050.D
Acq: 27 Nov 2019 19:32

Tgt Ion:252 Resp: 437042
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 11.4 7.9 11.9

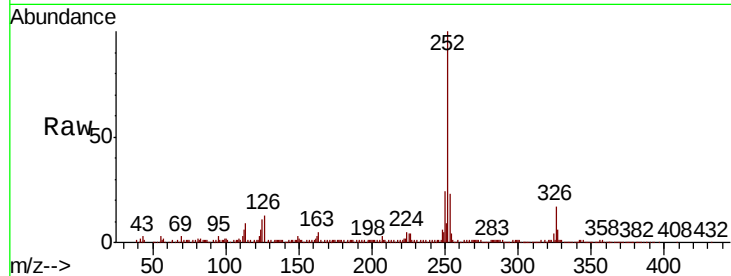




#90
Benzo(a)pyrene
Concen: 13.314 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BF118050.D
Acq: 27 Nov 2019 19:32

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	11.5	9.2	13.8

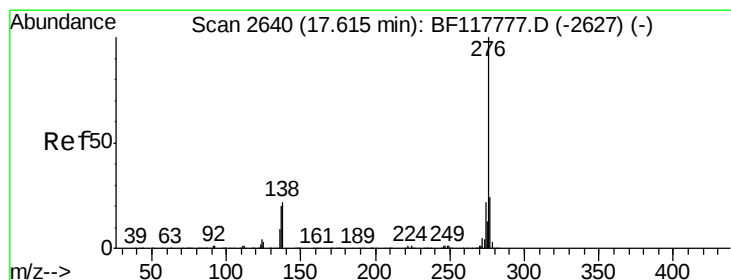
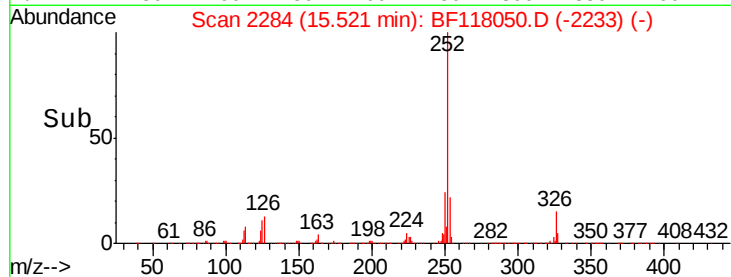
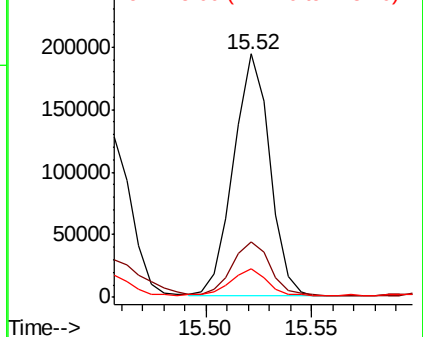


Abundance

Ion 252.00 (251.70 to 252.70): E

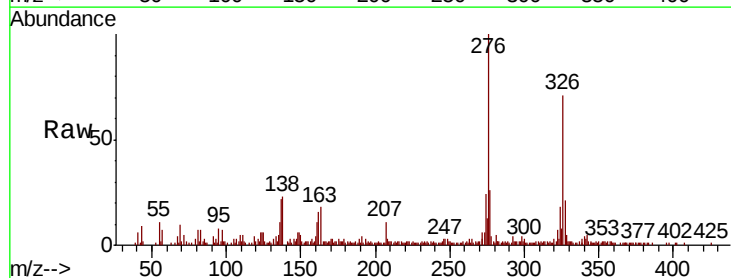
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 6.378 ng
RT: 17.56 min Scan# 2631
Delta R.T. 0.01 min
Lab File: BF118050.D
Acq: 27 Nov 2019 19:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.9	28.3
138	23.5	17.4	26.2



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

