

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118049.D
 Acq On : 27 Nov 2019 19:05
 Operator : JU
 Sample : K5977-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 28 00:16:04 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	143337	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	537029	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	260985	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	410954	20.00	ng	0.00
76) Chrysene-d12	14.09	240	310166	20.00	ng	0.00
87) Perylene-d12	15.59	264	325190	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	841399	103.91	ng	0.00
7) Phenol-d6	6.52	99	1067782	109.32	ng	0.00
23) Nitrobenzene-d5	7.45	82	653285	72.31	ng	-0.02
42) 2,4,6-Tribromophenol	10.73	330	275859	99.84	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1115368	76.67	ng	-0.01
79) Terphenyl-d14	13.02	244	964538	56.83	ng	0.00

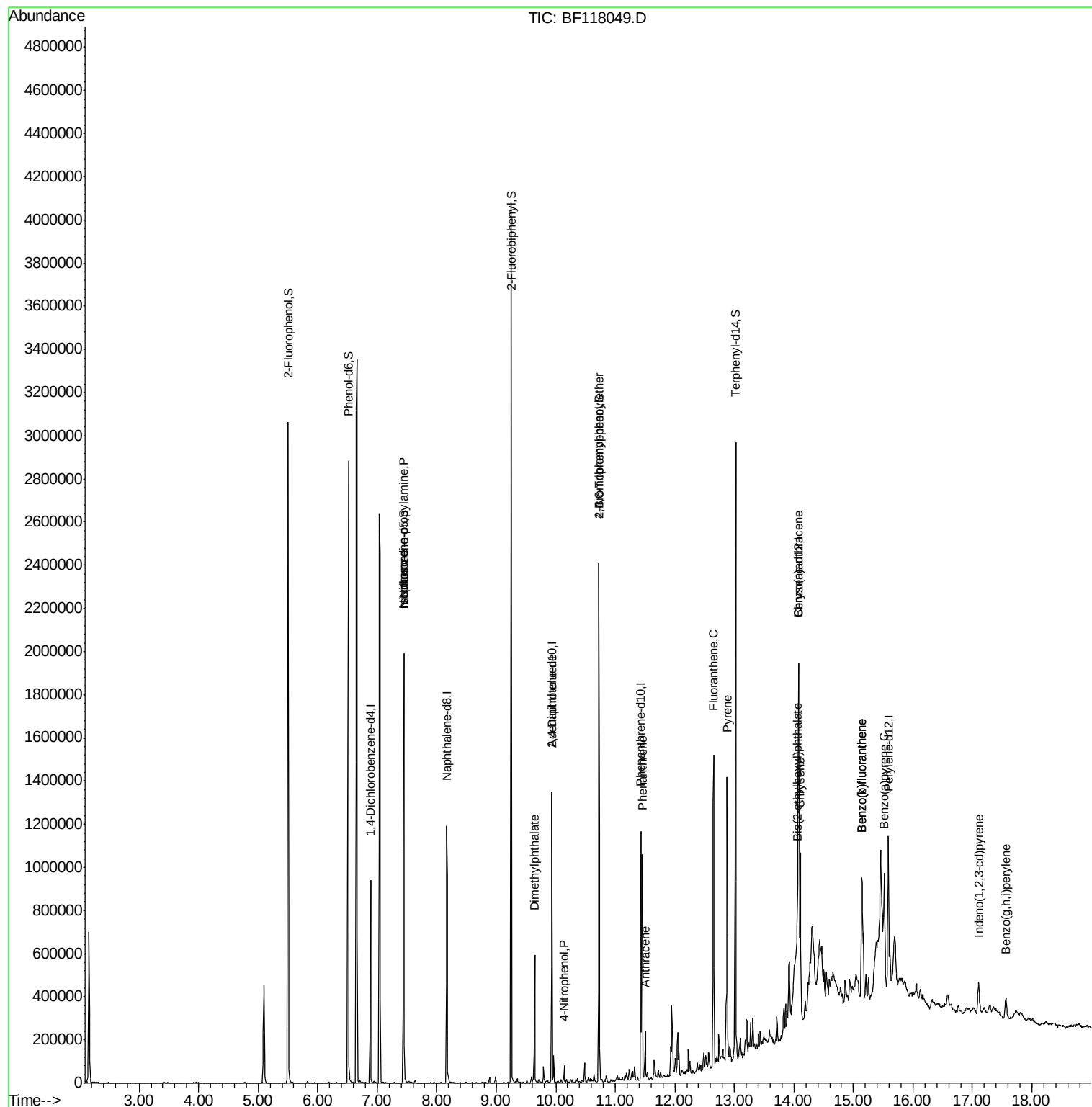
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	1743	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.45	70	88987	14.768	ng	# 73
25) Isophorone	7.45	82	653279	39.454	ng	# 62
50) Dimethylphthalate	9.65	163	237654	12.986	ng	98
56) 4-Nitrophenol	10.14	139	7920	2.217	ng	# 10
57) 2,4-Dinitrotoluene	9.93	165	35530	6.983	ng	# 24
67) 4-Bromophenyl-phenylether	10.73	248	17193	3.877	ng	# 1
71) Phenanthrene	11.45	178	350598	16.969	ng	97
72) Anthracene	11.50	178	75664	3.694	ng	97
75) Fluoranthene	12.65	202	543424	25.646	ng	99
78) Pyrene	12.88	202	491667	19.615	ng	98
81) Benzo(a)anthracene	14.07	228	299045	14.590	ng	97
83) Chrysene	14.11	228	275101	13.851	ng	98
84) Bis(2-ethylhexyl)phthalate	14.06	149	81975	6.281	ng	# 83
86) Indeno(1,2,3-cd)pyrene	17.10	276	96204	5.691	ng	94
88) Benzo(b)fluoranthene	15.14	252	436542	20.662	ng	99
89) Benzo(k)fluoranthene	15.14	252	436542	21.929	ng	99
90) Benzo(a)pyrene	15.52	252	223844	12.049	ng	99
92) Benzo(a,h,i)perylene	17.56	276	87091	5.468	ng	96

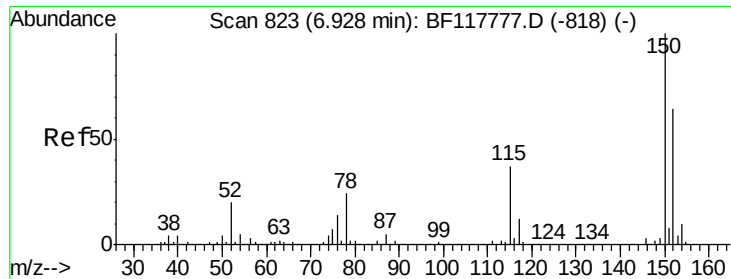
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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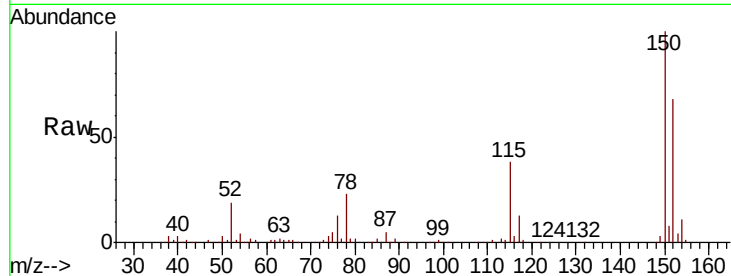


#1

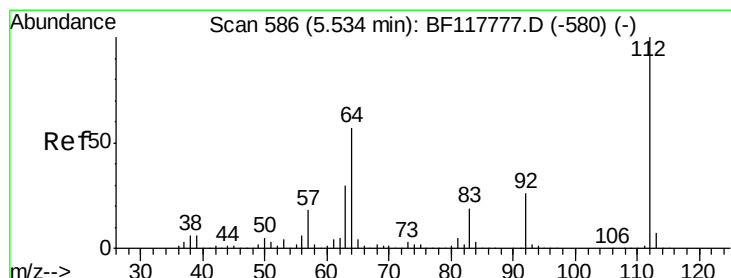
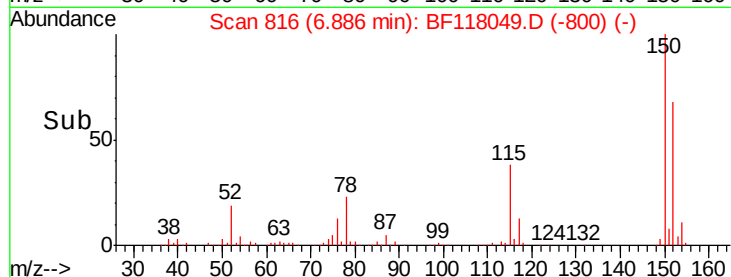
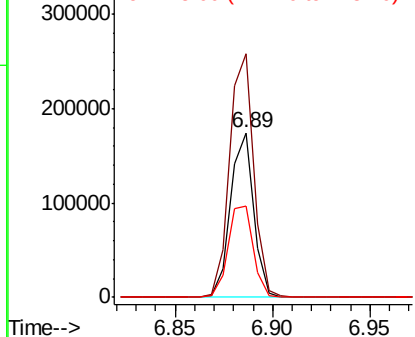
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143337
Ion Ratio Lower Upper
152 100
150 148.1 125.3 187.9
115 55.6 47.0 70.4



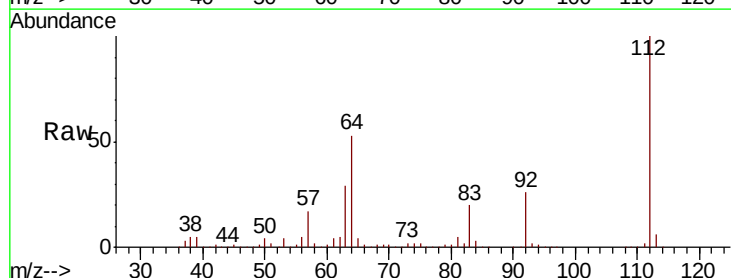
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



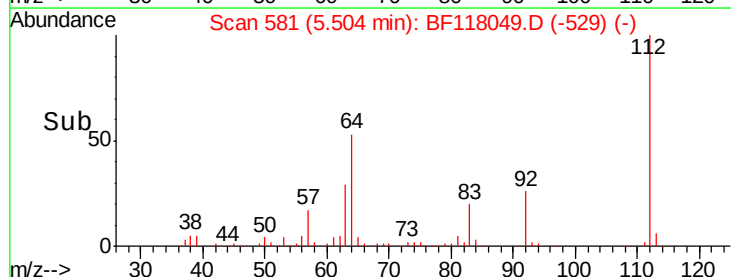
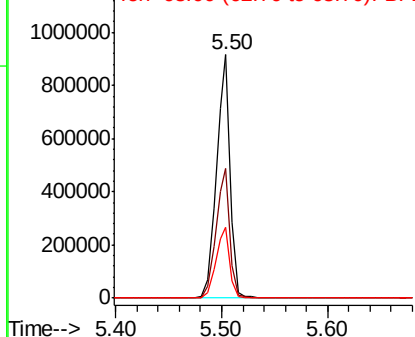
#5

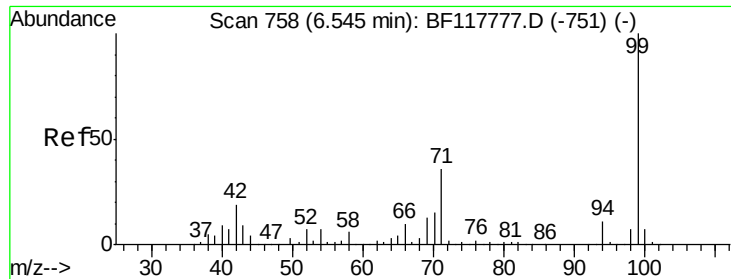
2-Fluorophenol
Concen: 103.907 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Tgt Ion:112 Resp: 841399
Ion Ratio Lower Upper
112 100
64 53.5 45.6 68.4
63 29.3 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: 109.325 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

Instrument :

BNA_F

ClientSampleId :

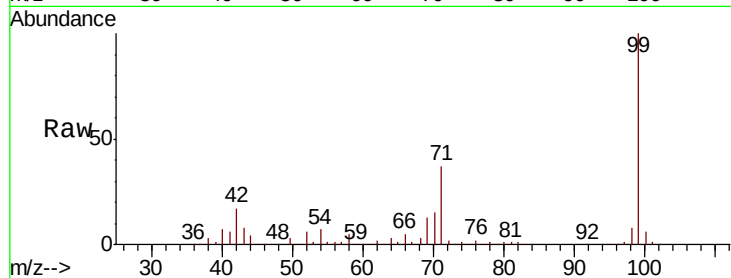
Tot Ion: 99 Resp: 1067782

Ion Ratio Lower Upper

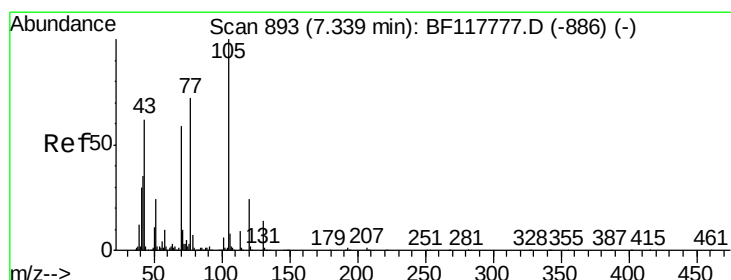
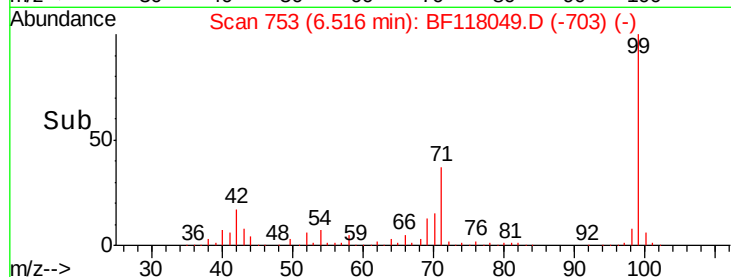
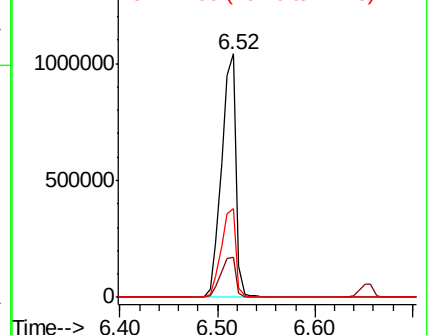
99 100

42 16.7 14.9 22.3

71 36.7 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: 14.768 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

Tgt Ion: 70 Resp: 88987

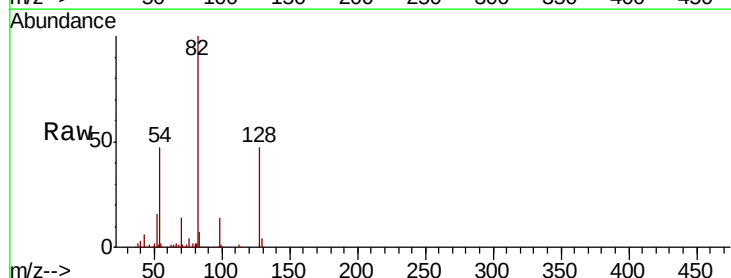
Ion Ratio Lower Upper

70 100

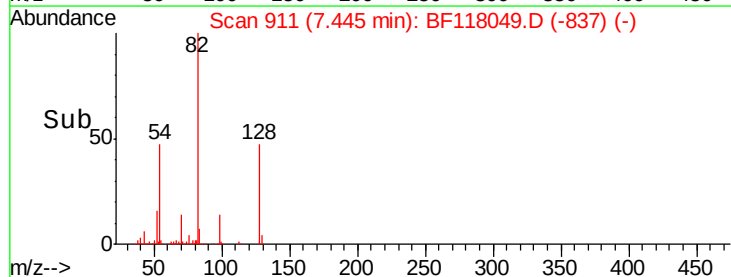
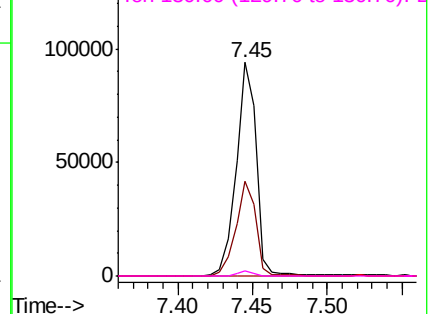
42 44.3 47.4 71.2#

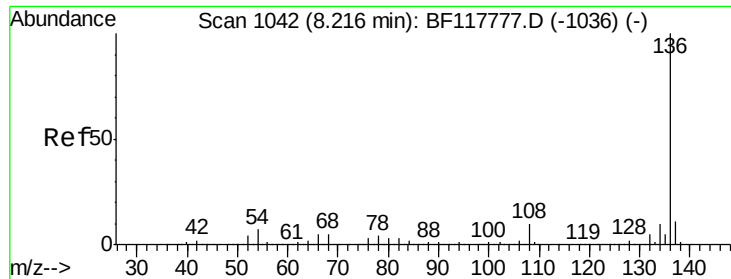
101 0.0 8.4 12.6#

130 2.2 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): E
Ion 130.00 (129.70 to 130.70): E

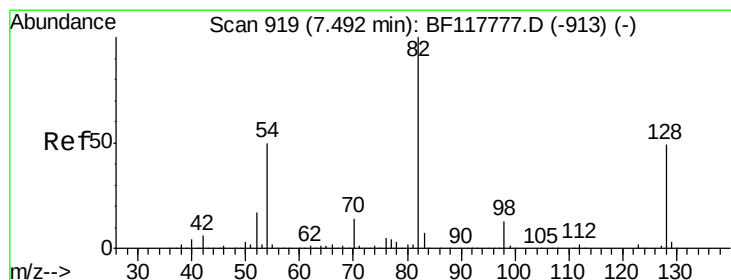
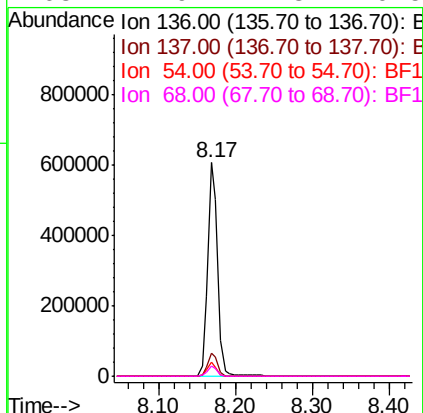
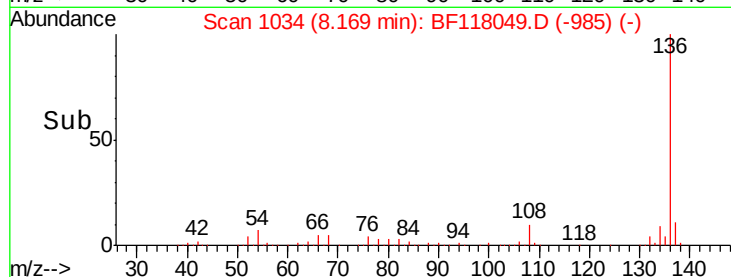
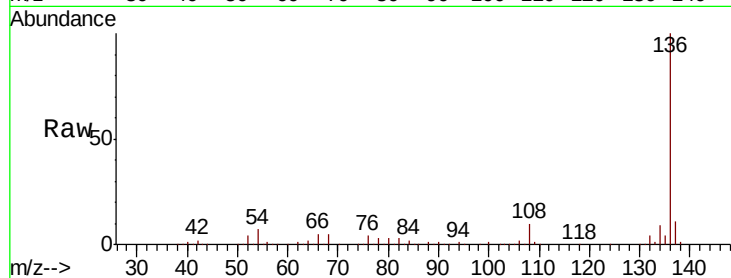




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

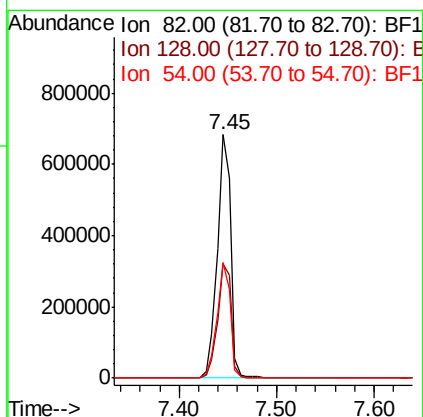
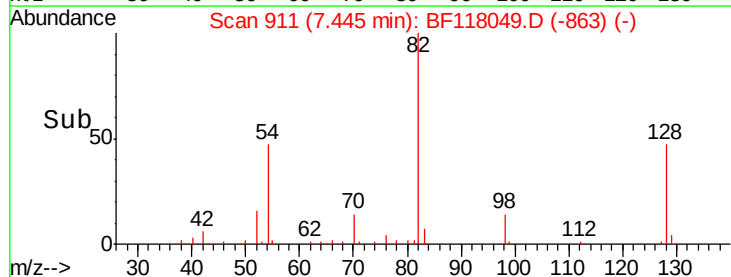
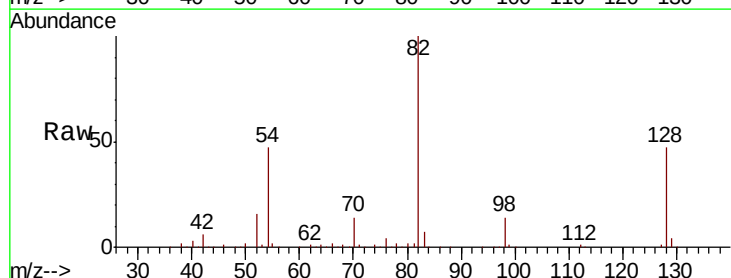
Instrument :
BNA_F
ClientSampled :

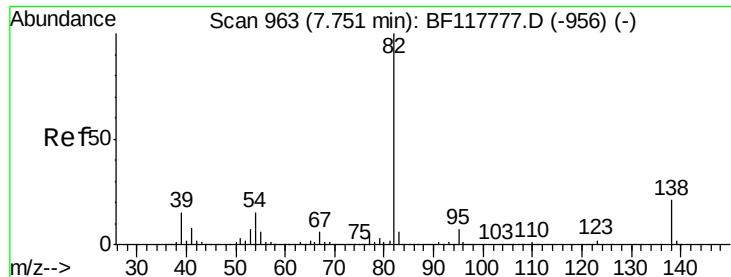
Tot Ion:136	Resp:	537029
Ion	Ratio	Lower Upper
136	100	
137	10.8	9.0 13.4
54	6.6	5.4 8.2
68	4.9	4.3 6.5



#23
Nitrobenzene-d5
Concen: 72.315 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Tgt Ion: 82	Resp:	653285
Ion	Ratio	Lower Upper
82	100	
128	46.9	38.9 58.3
54	47.5	39.8 59.6





#25

Isophorone

Concen: 39.454 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

Instrument :

BNA_F

ClientSampled :

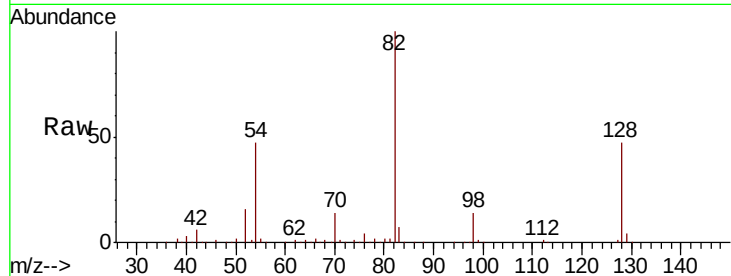
Tot Ion: 82 Resp: 653279

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

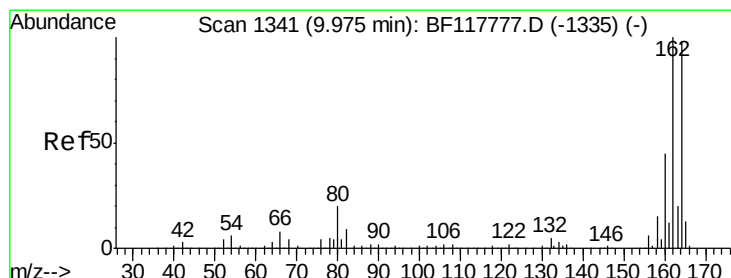
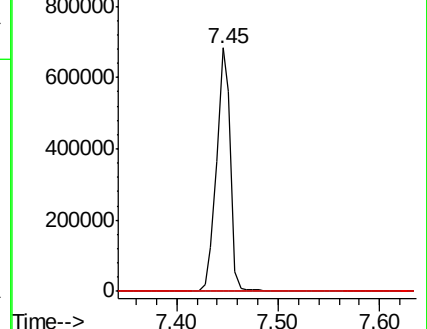
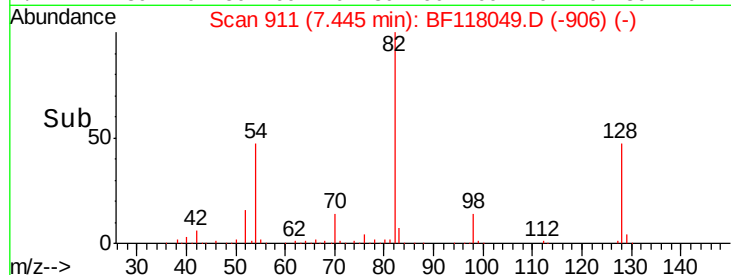
138 0.0 16.5 24.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

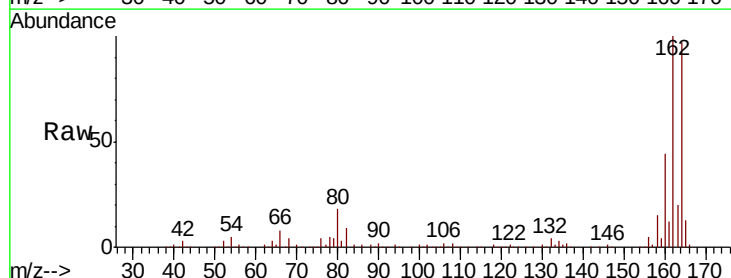
Tgt Ion: 164 Resp: 260985

Ion Ratio Lower Upper

164 100

162 103.4 81.3 121.9

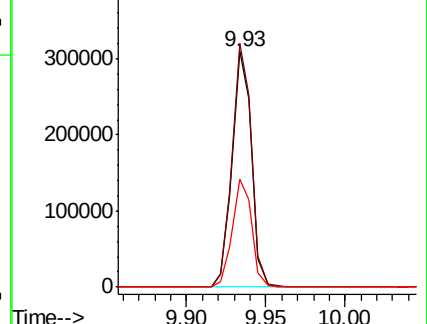
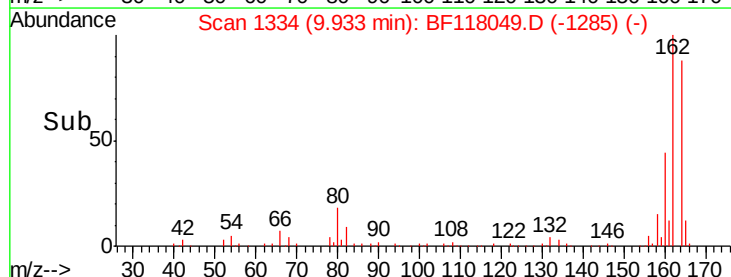
160 45.6 36.6 55.0

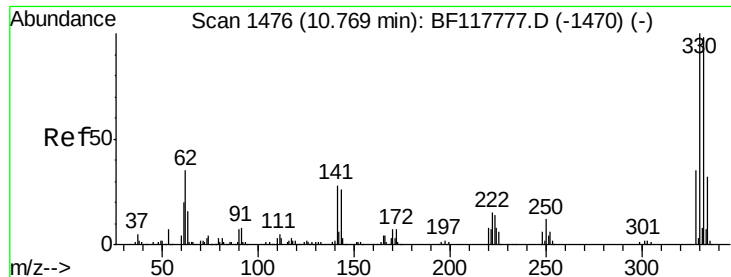


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 99.840 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.01 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

Instrument :

BNA_F

ClientSampleId :

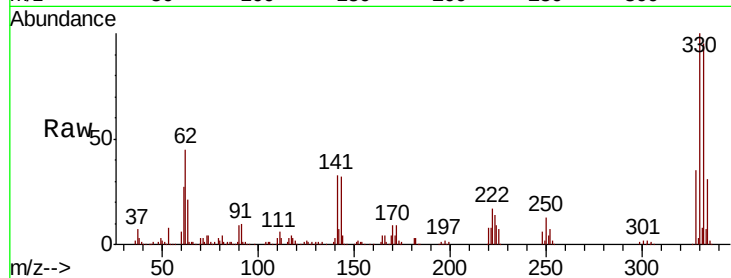
Tot Ion:330 Resp: 275859

Ion Ratio Lower Upper

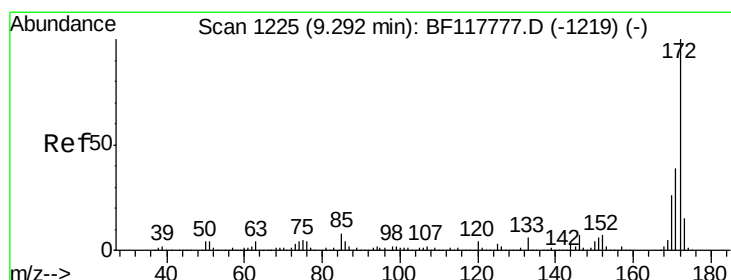
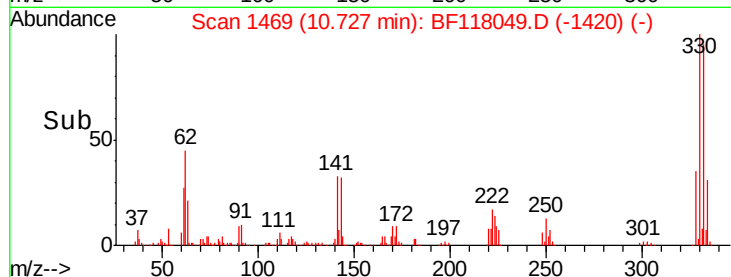
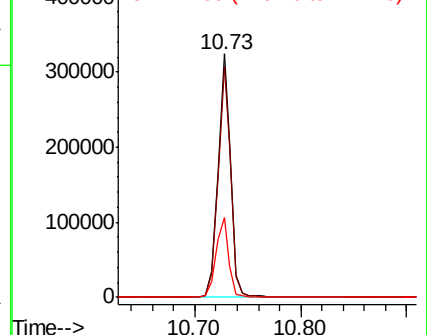
330 100

332 95.3 76.7 115.1

141 33.2 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: 76.671 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

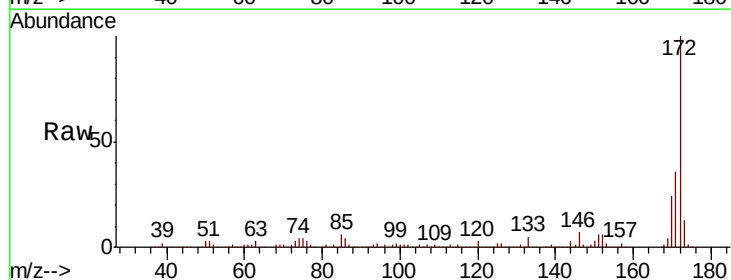
Tgt Ion:172 Resp: 1115368

Ion Ratio Lower Upper

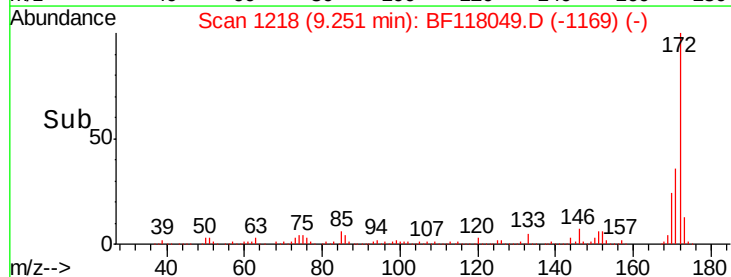
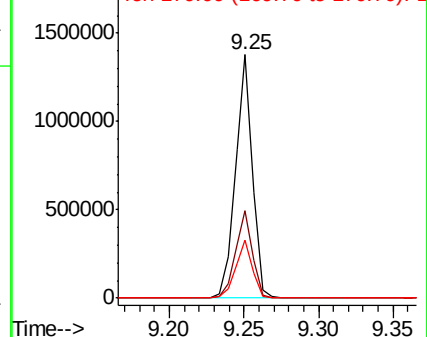
172 100

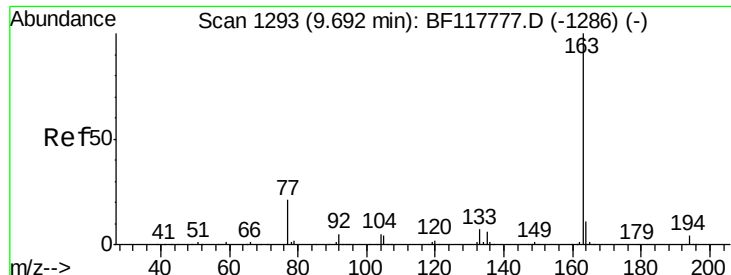
171 36.2 30.9 46.3

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

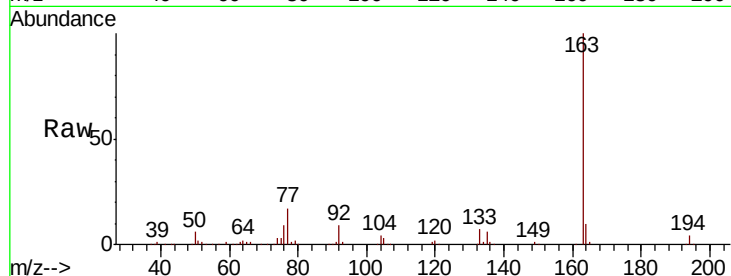




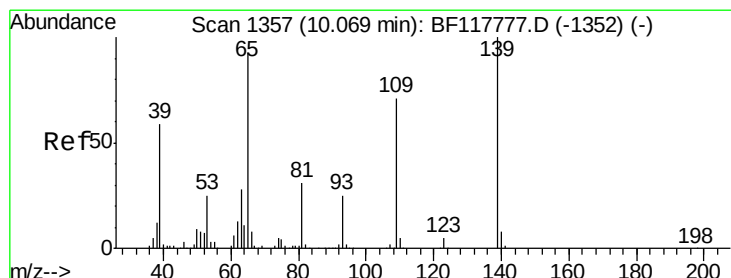
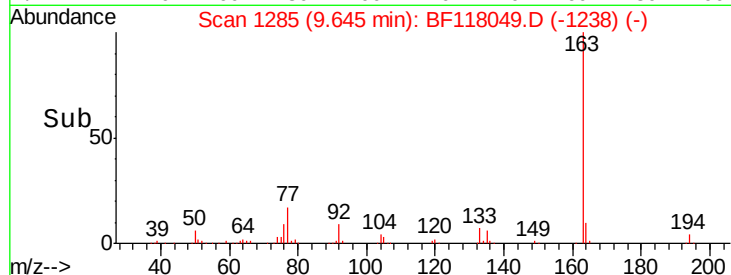
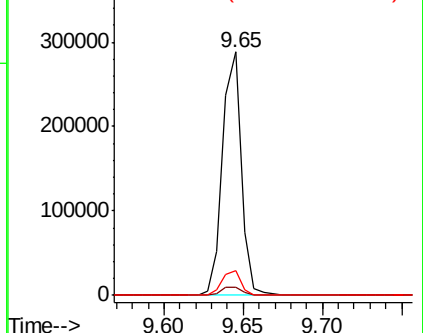
#50
Dimethylphthalate
Concen: 12.986 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.3	4.9
164	10.1	8.7	13.1

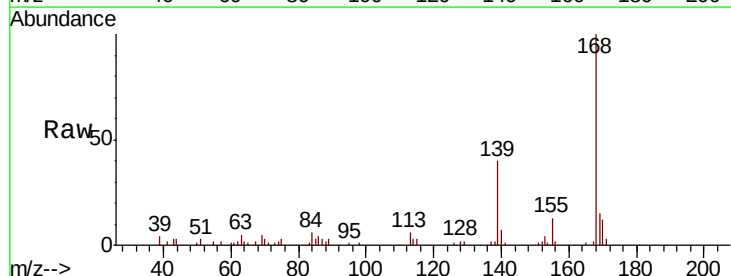


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

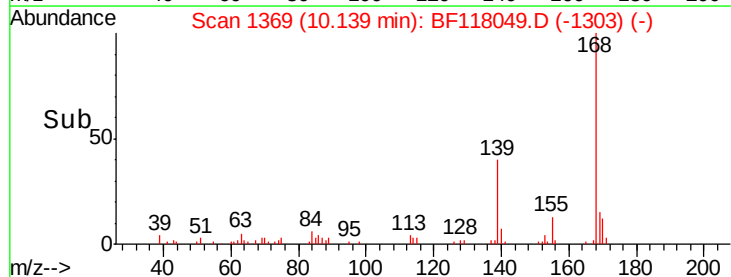
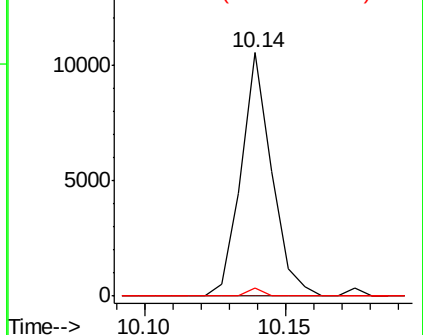


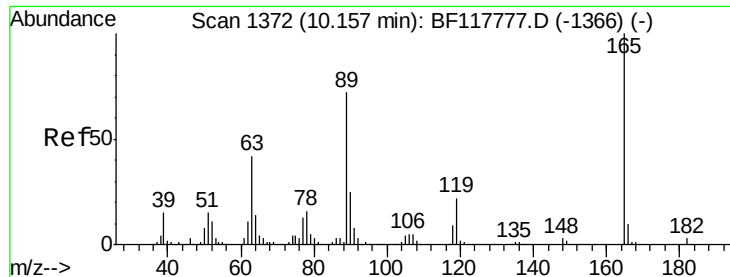
#56
4-Nitrophenol
Concen: 2.217 ng
RT: 10.14 min Scan# 1369
Delta R.T. 0.09 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	50.8	90.8#
65	3.1	73.6	113.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 6.983 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.20 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 35530

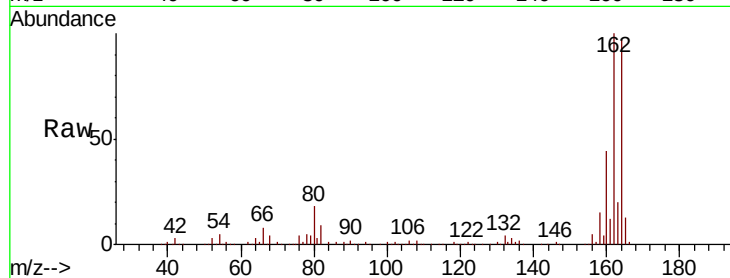
Ion Ratio Lower Upper

165 100

63 1.3 33.7 50.5#

89 1.2 57.3 85.9#

182 0.0 2.3 3.5#

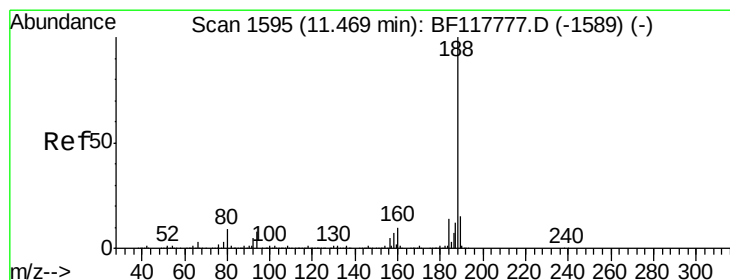
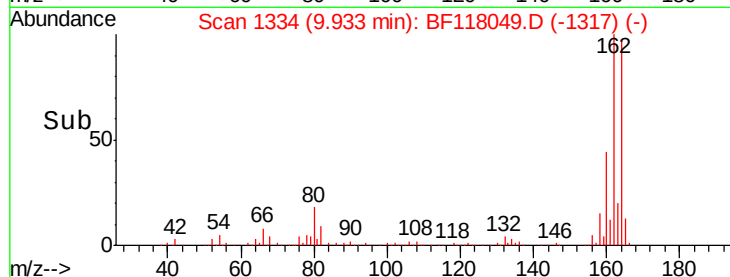
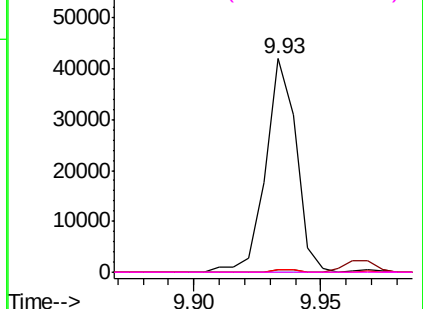


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF118049.D

Acq: 27 Nov 2019 19:05

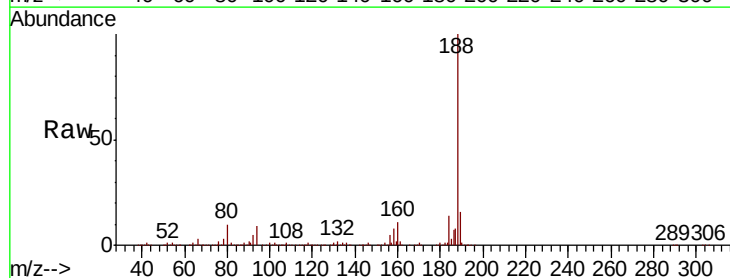
Tgt Ion:188 Resp: 410954

Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

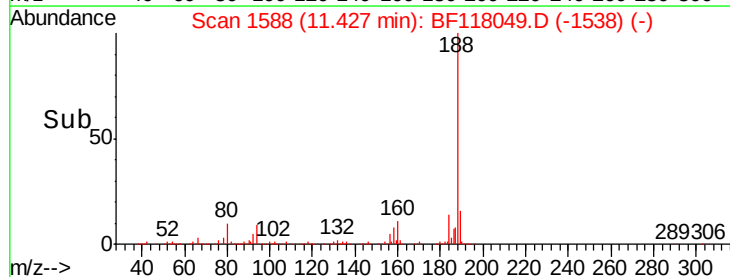
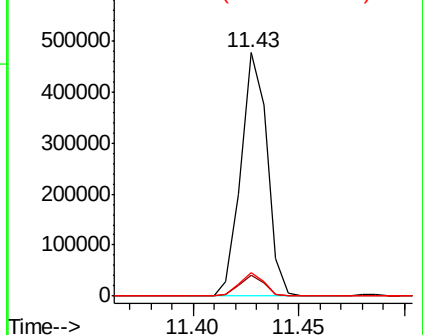
80 9.7 7.2 10.8

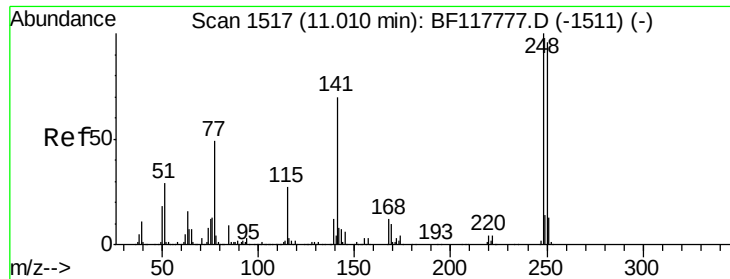


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

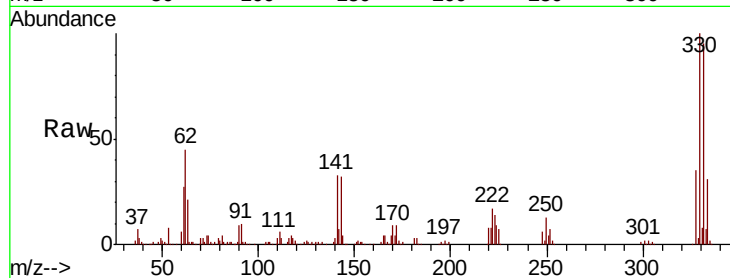




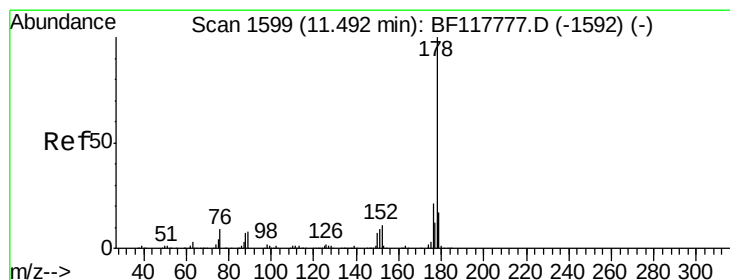
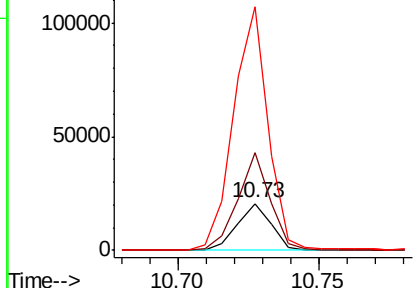
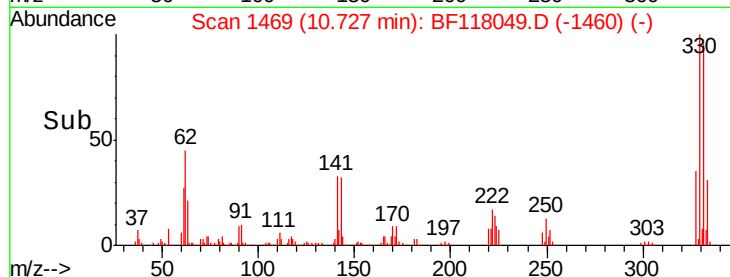
#67
 4-Bromophenyl-phenylether
 Concen: 3.877 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.25 min
 Lab File: BF118049.D
 Acq: 27 Nov 2019 19:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 17193
 Ion Ratio Lower Upper
 248 100
 250 209.9 76.6 115.0#
 141 520.3 55.9 83.9#

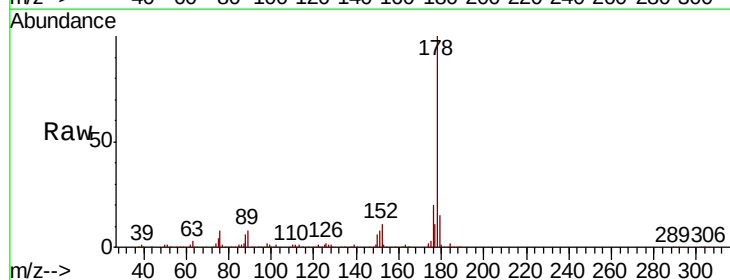


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

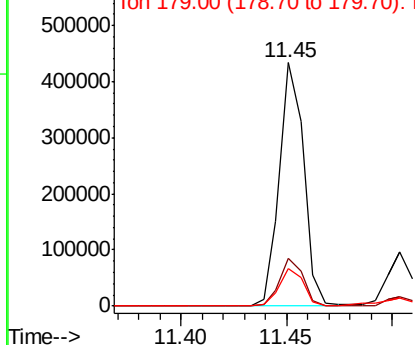
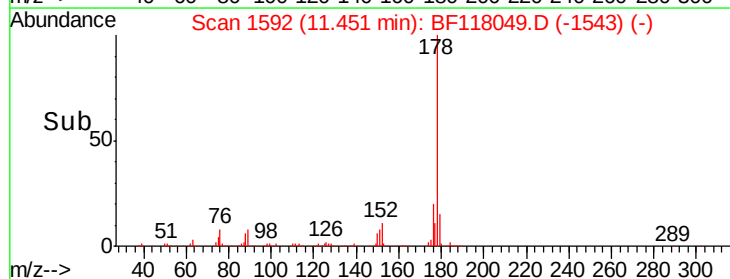


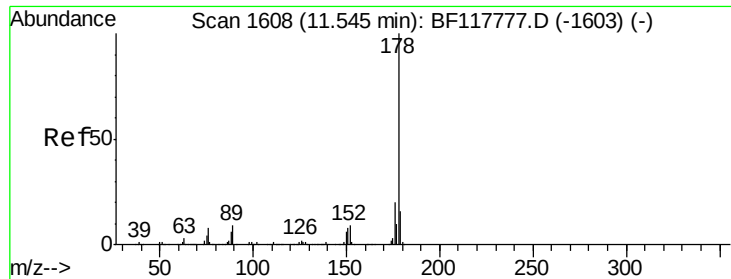
#71
 Phenanthrene
 Concen: 16.969 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BF118049.D
 Acq: 27 Nov 2019 19:05

Tgt Ion:178 Resp: 350598
 Ion Ratio Lower Upper
 178 100
 176 19.6 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

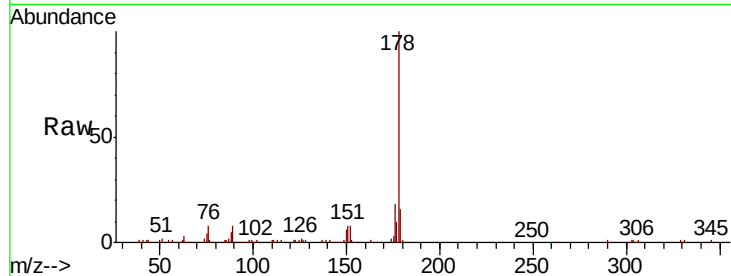




#72
 Anthracene
 Concen: 3.694 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF118049.D
 Acq: 27 Nov 2019 19:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.1	24.1
179	15.8	13.0	19.4

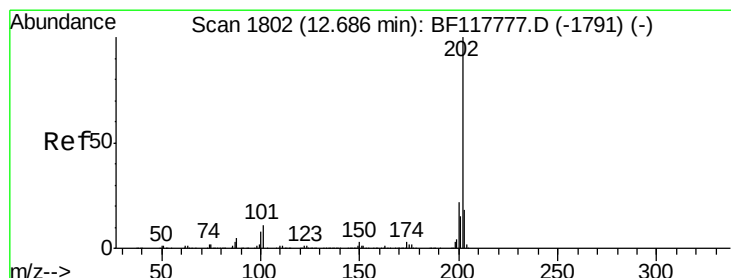
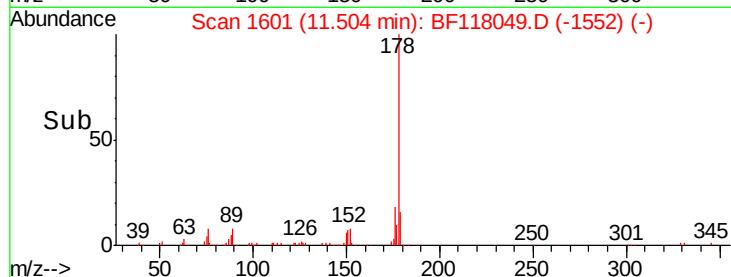
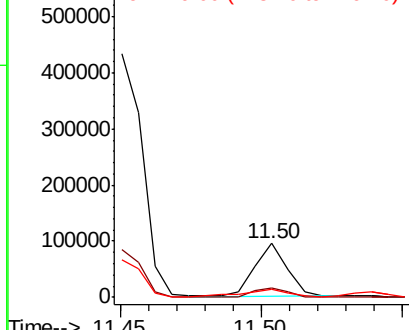


Abundance

Ion 178.00 (177.70 to 178.70): E

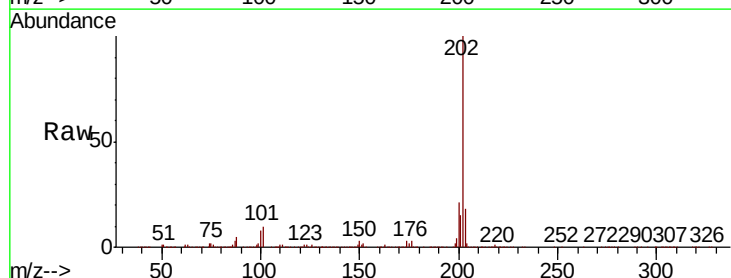
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
 Fluoranthene
 Concen: 25.646 ng
 RT: 12.65 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: BF118049.D
 Acq: 27 Nov 2019 19:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.1
203	18.0	0.0	38.2

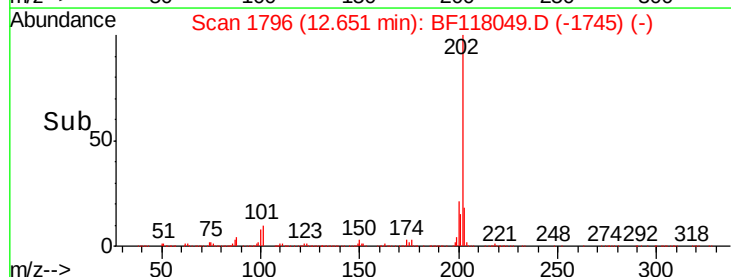
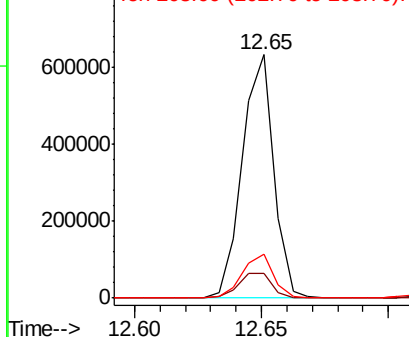


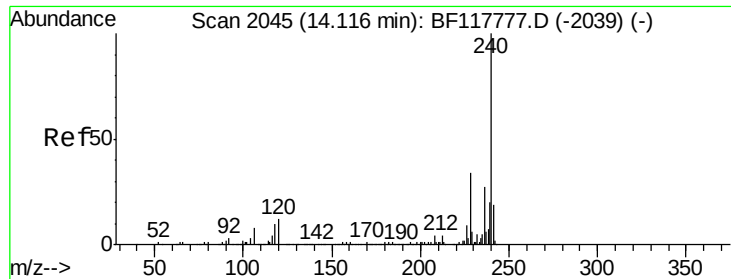
Abundance

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

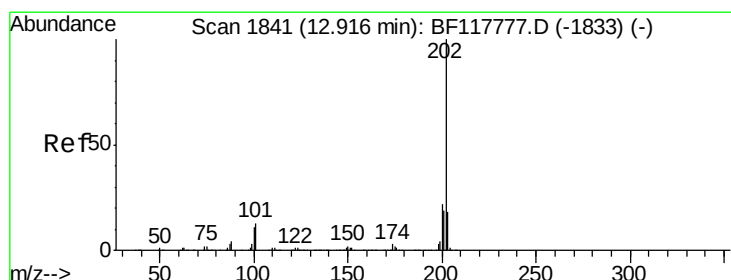
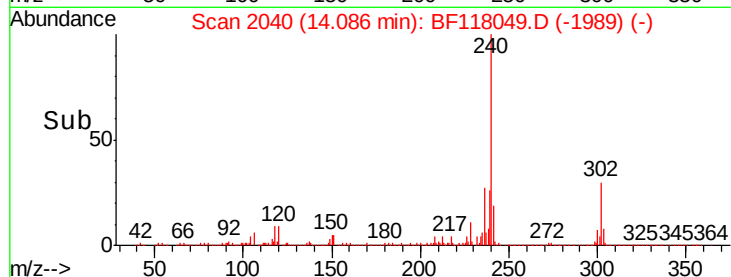
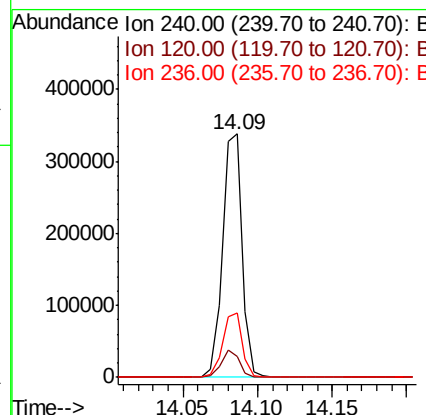
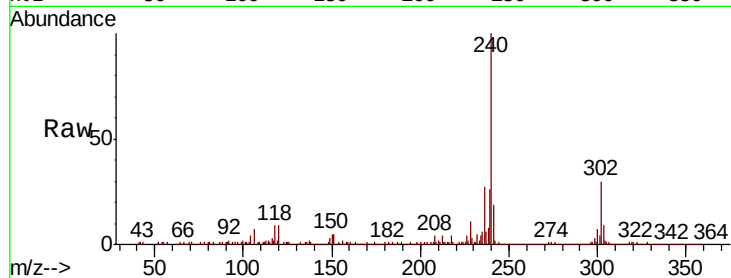




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

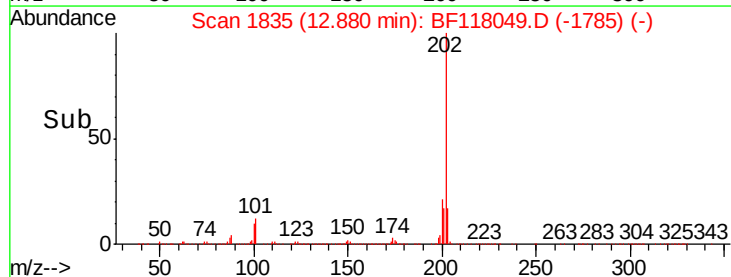
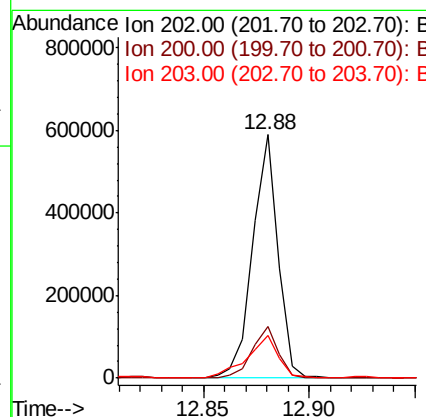
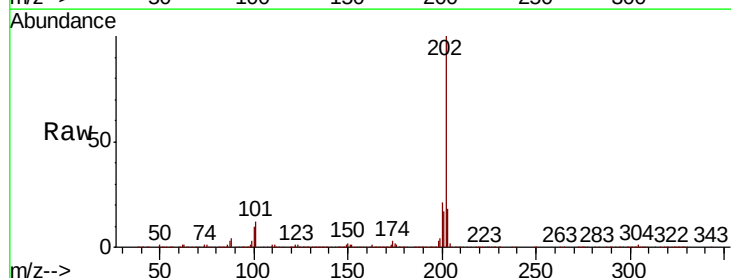
Instrument :
BNA_F
ClientSampleId :

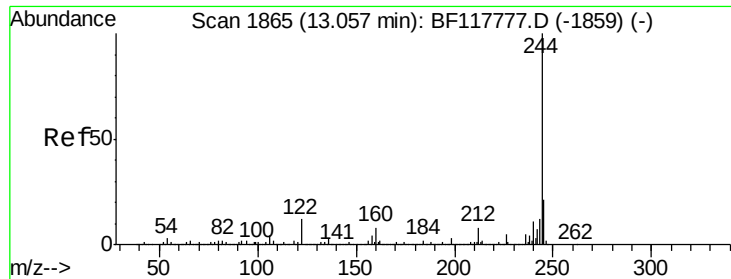
Tot Ion:240 Resp: 310166
Ion Ratio Lower Upper
240 100
120 8.7 9.5 14.3#
236 26.7 21.3 31.9



#78
Pyrene
Concen: 19.615 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Tgt Ion:202 Resp: 491667
Ion Ratio Lower Upper
202 100
200 21.0 17.8 26.8
203 17.6 14.6 22.0





#79

Terphenyl-d14

Concen: 56.834 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

Instrument :

BNA_F

ClientSampleId :

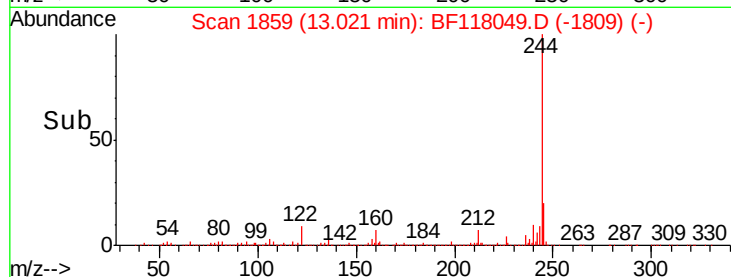
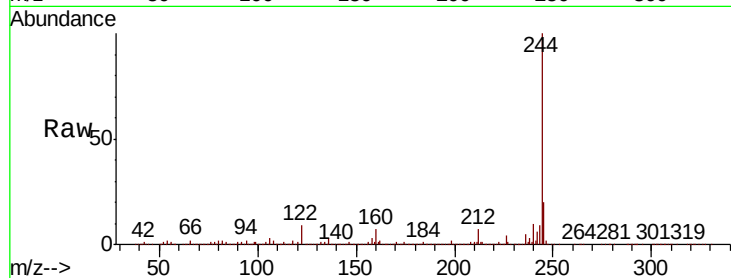
Tot Ion:244 Resp: 964538

Ion Ratio Lower Upper

244 100

212 6.8 6.3 9.5

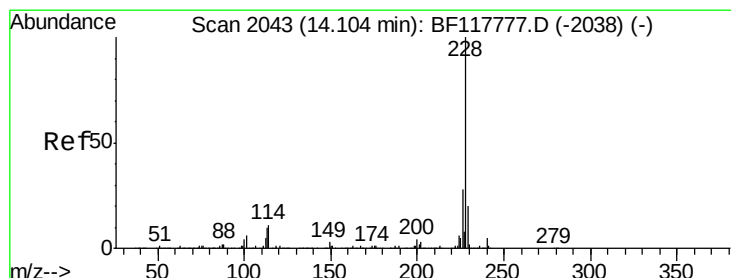
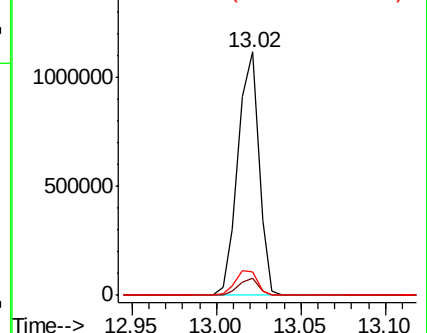
122 9.4 9.4 14.2#



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: 14.590 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

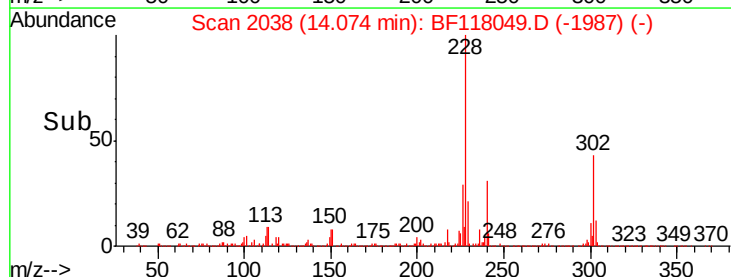
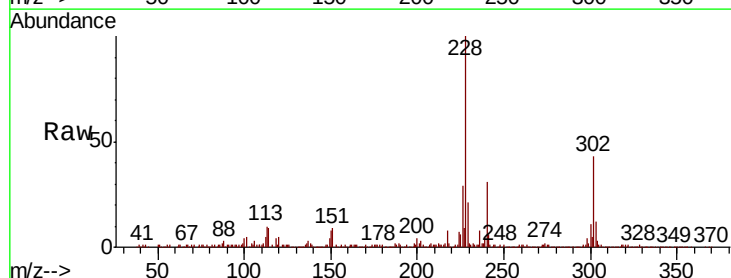
Tgt Ion:228 Resp: 299045

Ion Ratio Lower Upper

228 100

226 29.0 22.2 33.2

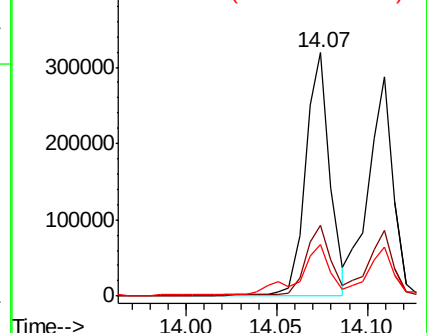
229 21.4 15.9 23.9

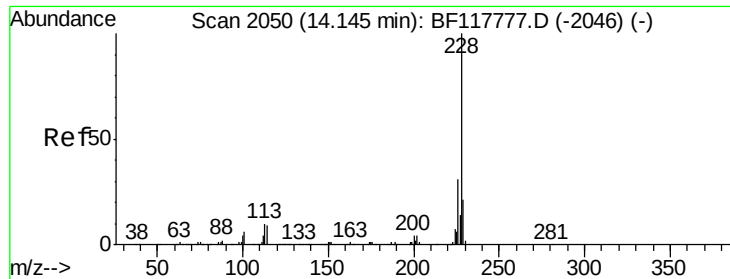


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 13.851 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

Instrument :

BNA_F

ClientSampleId :

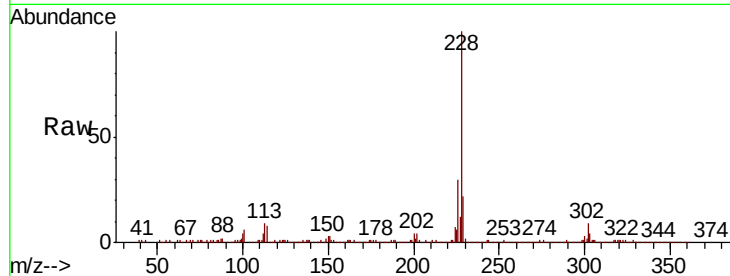
Tot Ion:228 Resp: 275101

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.4

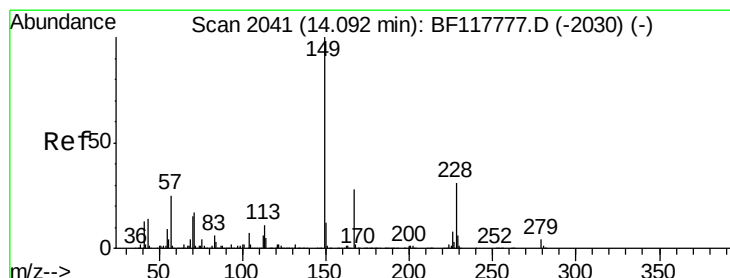
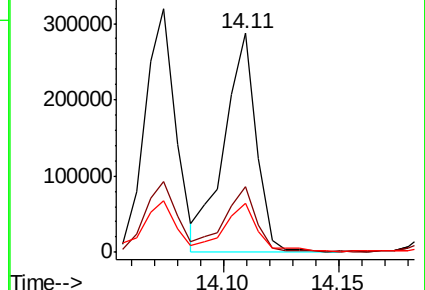
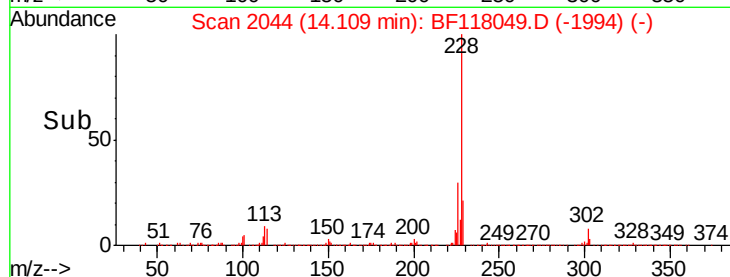
229 22.1 16.6 25.0



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.281 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF118049.D

Acq: 27 Nov 2019 19:05

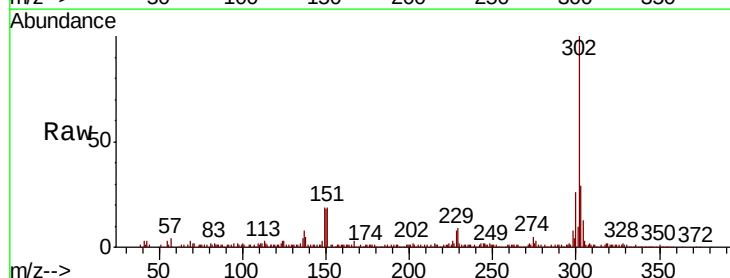
Tgt Ion:149 Resp: 81975

Ion Ratio Lower Upper

149 100

167 17.6 22.2 33.2#

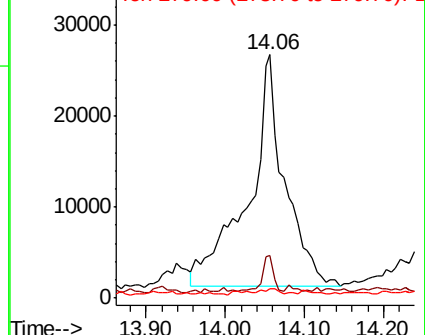
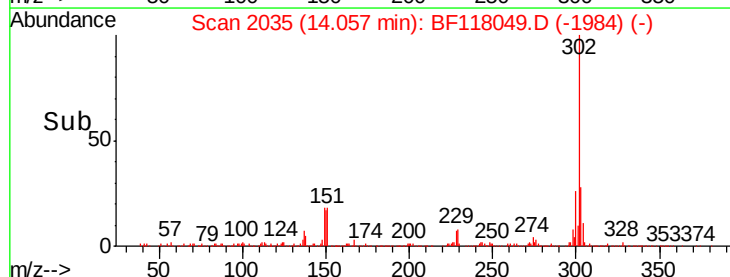
279 3.7 3.4 5.2

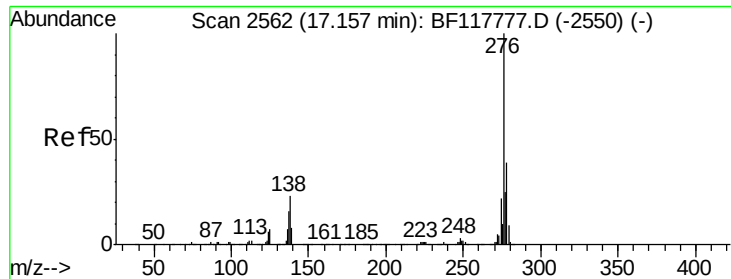


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

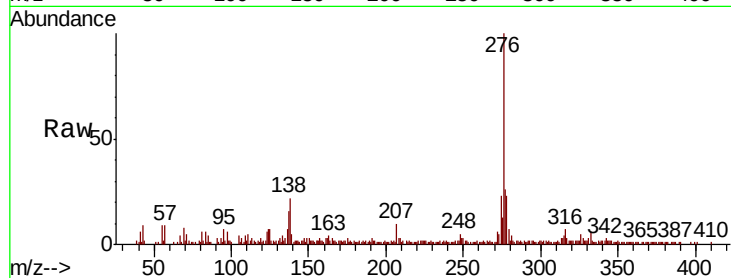




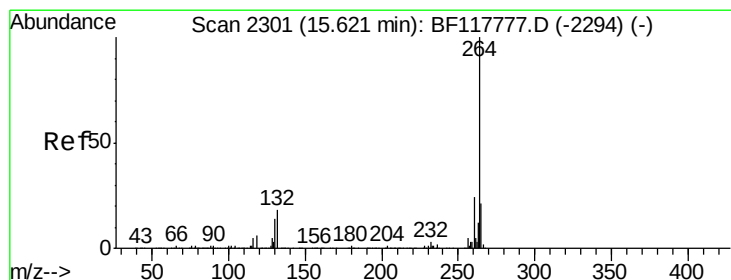
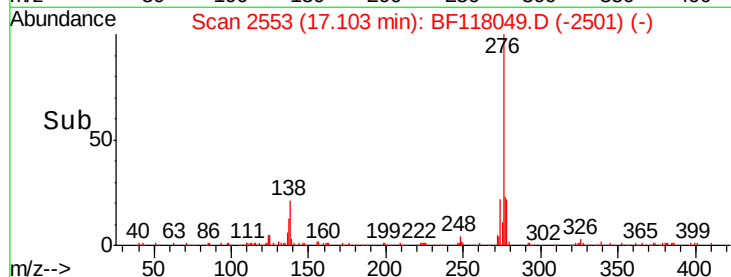
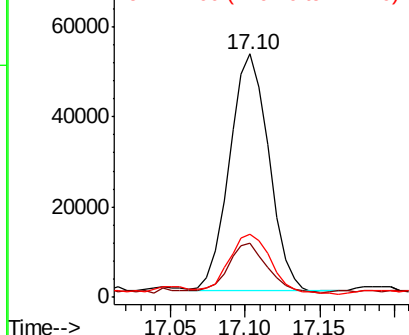
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.691 ng
 RT: 17.10 min Scan# 2553
 Delta R.T. 0.01 min
 Lab File: BF118049.D
 Acq: 27 Nov 2019 19:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	20.9	31.3
277	27.4	20.3	30.5

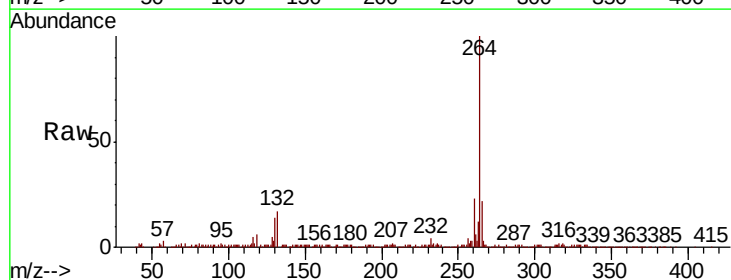


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

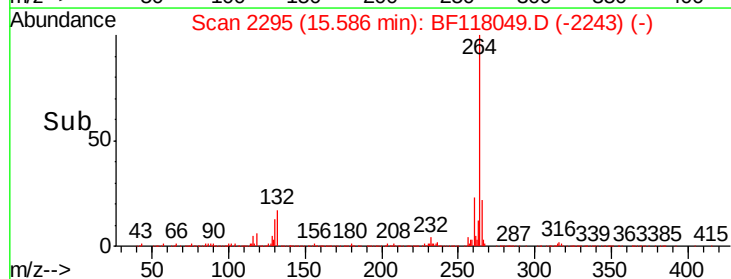
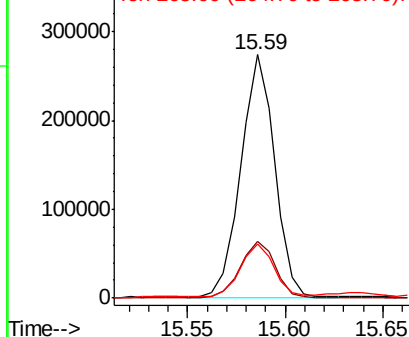


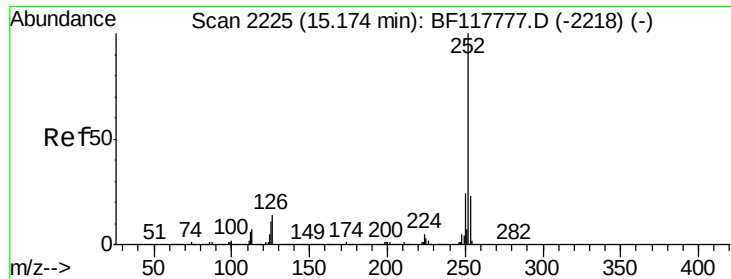
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.59 min Scan# 2295
 Delta R.T. 0.01 min
 Lab File: BF118049.D
 Acq: 27 Nov 2019 19:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	22.3	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

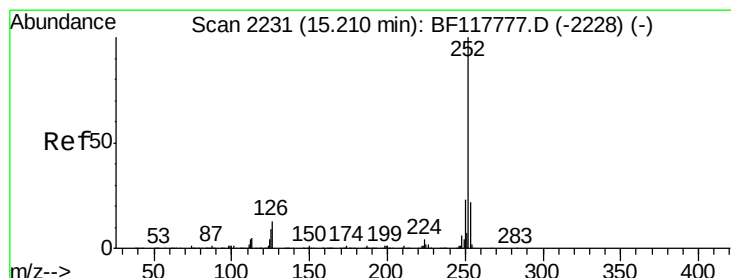
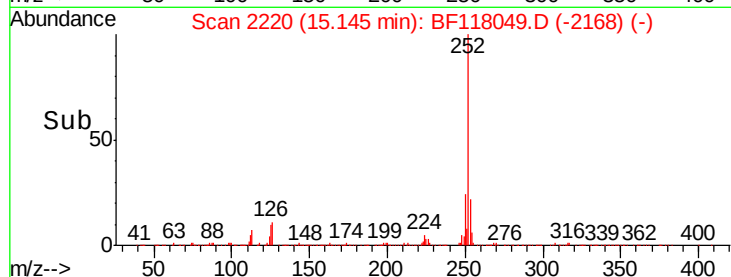
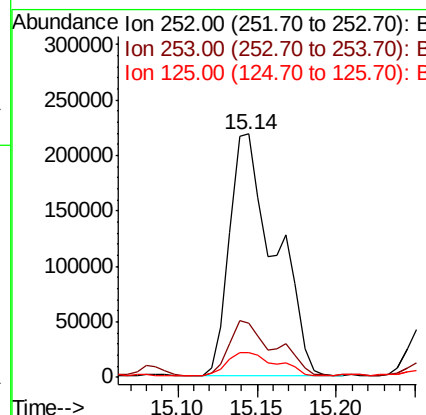
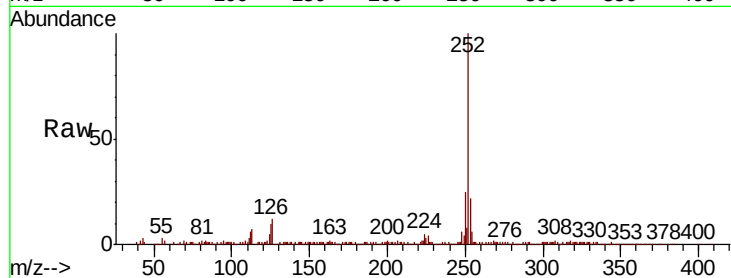




#88
Benzo(b)fluoranthene
Concen: 20.662 ng
RT: 15.14 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

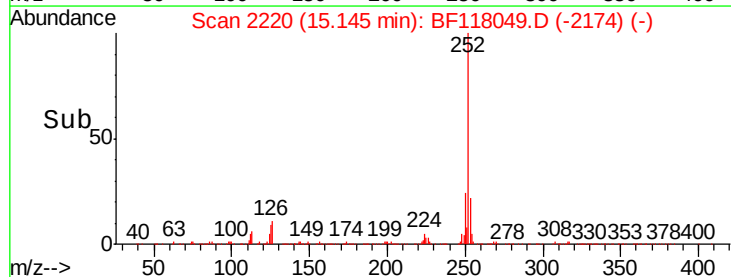
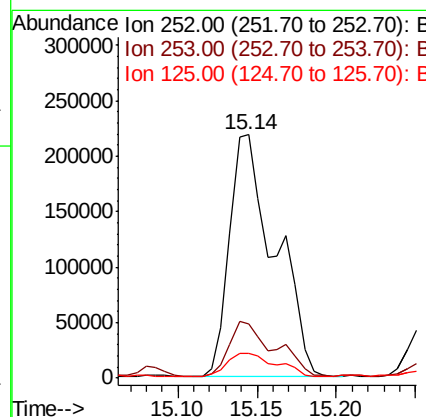
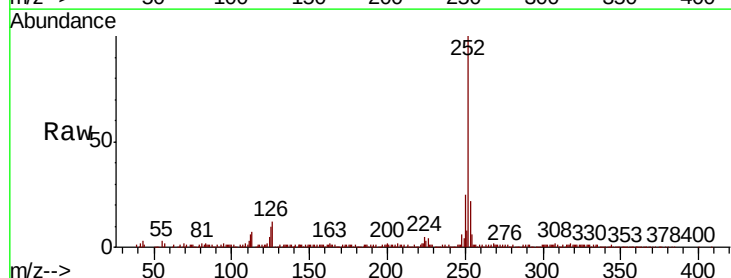
Instrument :
BNA_F
ClientSampleId :

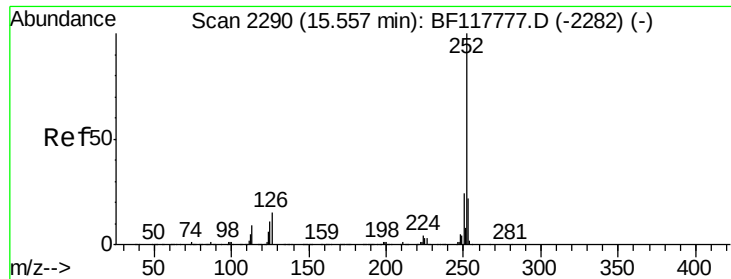
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	10.3	8.6	13.0



#89
Benzo(k)fluoranthene
Concen: 21.929 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.03 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	10.3	7.9	11.9

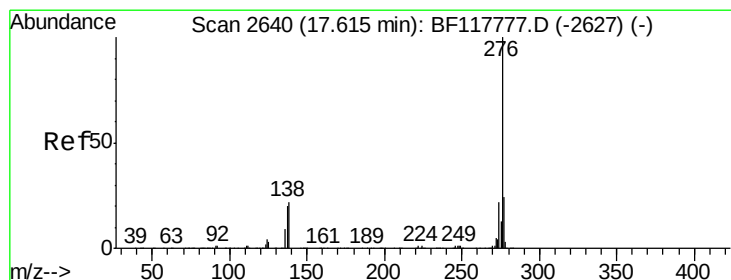
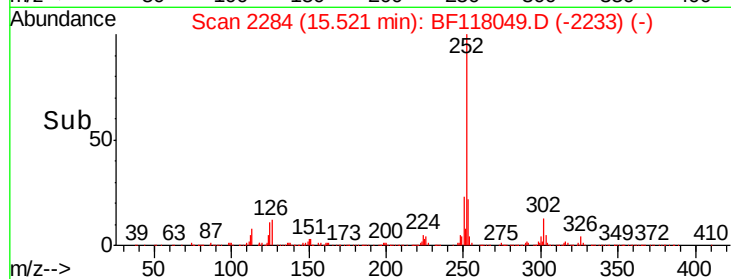
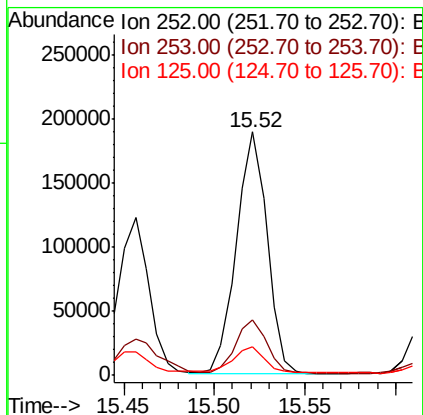
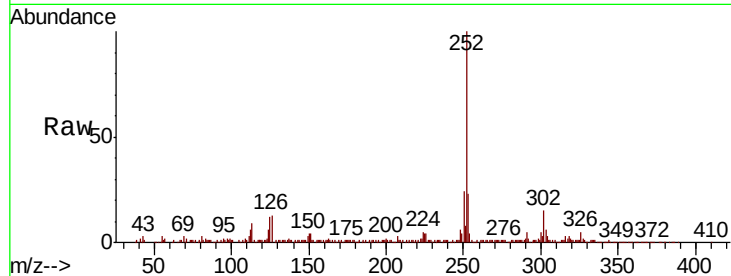




#90
Benzo(a)pyrene
Concen: 12.049 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.00 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 223844
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 11.5 9.2 13.8



#92
Benzo(g,h,i)perylene
Concen: 5.468 ng
RT: 17.56 min Scan# 2631
Delta R.T. 0.01 min
Lab File: BF118049.D
Acq: 27 Nov 2019 19:05

Tgt Ion:276 Resp: 87091
Ion Ratio Lower Upper
276 100
277 25.3 18.9 28.3
138 23.9 17.4 26.2

