

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118052.D
 Acq On : 27 Nov 2019 20:28
 Operator : JU
 Sample : K5977-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 28 00:16:39 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	146465	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	568755	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	287945	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	466877	20.00	ng	0.00
76) Chrysene-d12	14.08	240	307842	20.00	ng	0.00
87) Perylene-d12	15.58	264	316765	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	733670	88.67	ng	0.00
7) Phenol-d6	6.51	99	934246	93.61	ng	-0.01
23) Nitrobenzene-d5	7.45	82	564692	59.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.73	330	256441	84.12	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1107804	69.02	ng	-0.01
79) Terphenyl-d14	13.02	244	966234	57.36	ng	-0.01

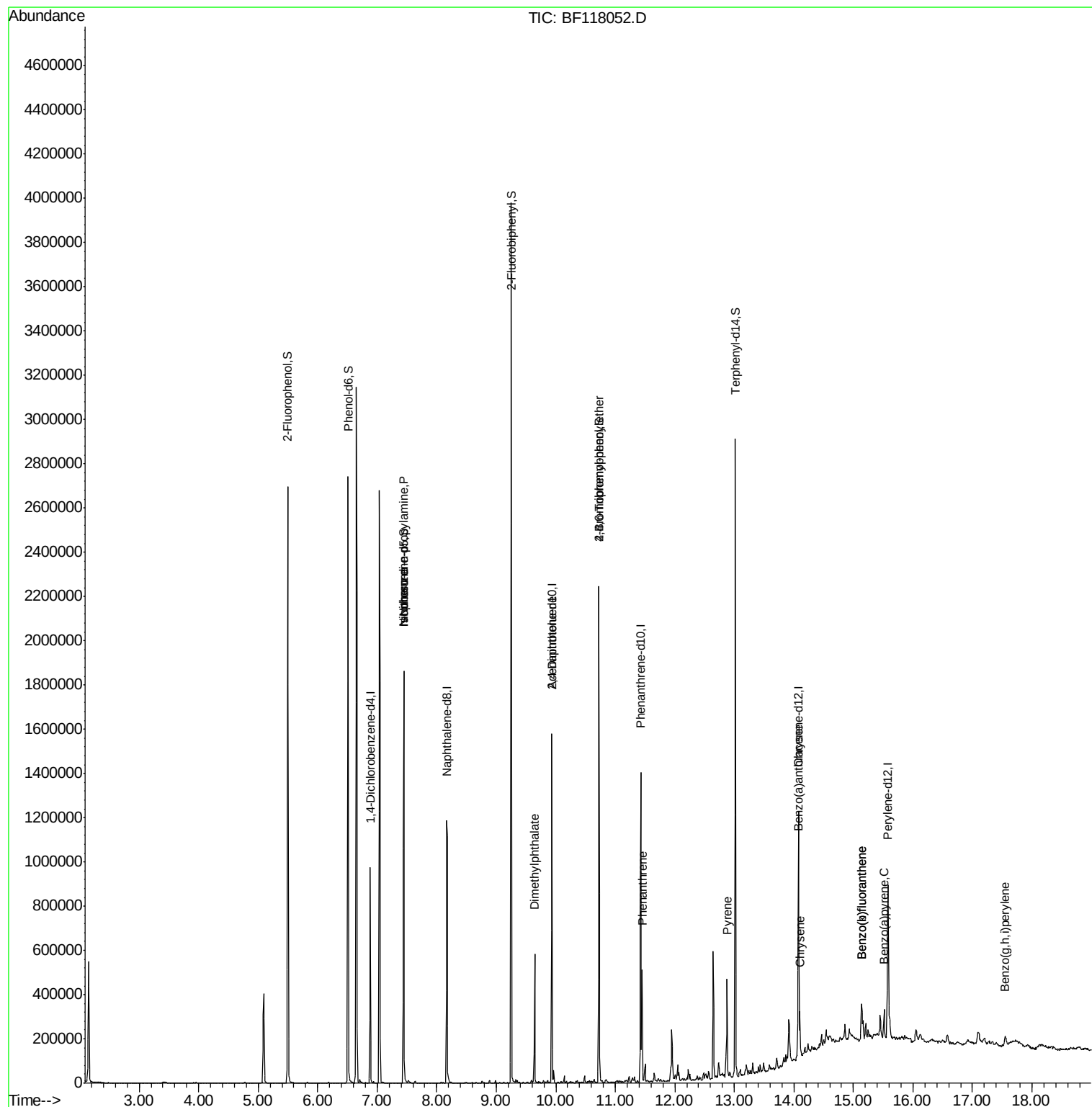
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.51	77	1746	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.45	70	76572	12.437	ng	# 74
25) Isophorone	7.45	82	564686	32.202	ng	# 62
50) Dimethylphthalate	9.65	163	234619	11.619	ng	# 98
57) 2,4-Dinitrotoluene	9.93	165	37160	6.620	ng	# 25
67) 4-Bromophenyl-phenylether	10.73	248	16104	3.197	ng	# 1
71) Phenanthrene	11.45	178	171425	7.303	ng	# 96
78) Pyrene	12.87	202	174606	7.018	ng	# 99
81) Benzo(a)anthracene	14.07	228	87770	4.315	ng	# 98
83) Chrysene	14.10	228	74600	3.784	ng	# 97
88) Benzo(b)fluoranthene	15.14	252	125548	6.100	ng	# 98
89) Benzo(k)fluoranthene	15.14	252	125548	6.474	ng	# 96
90) Benzo(a)pyrene	15.52	252	65383	3.613	ng	# 98
92) Benzo(a,h,i)perylene	17.55	276	32438	2.091	ng	# 98

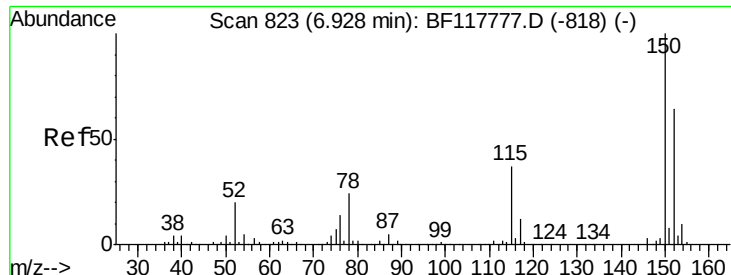
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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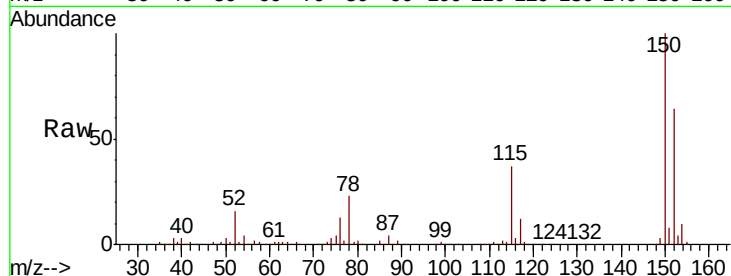


#1

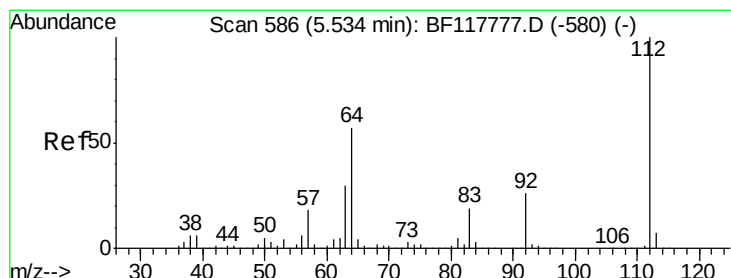
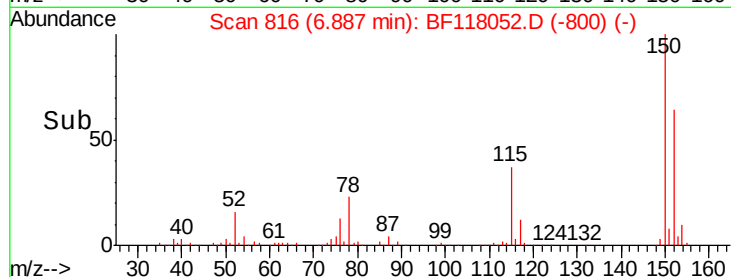
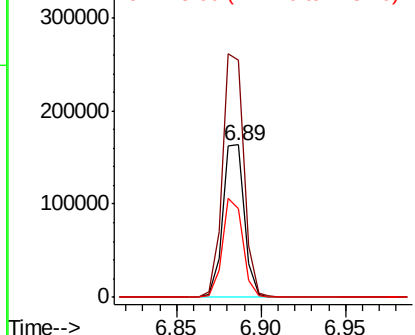
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146465
Ion Ratio Lower Upper
152 100
150 155.3 125.3 187.9
115 57.9 47.0 70.4



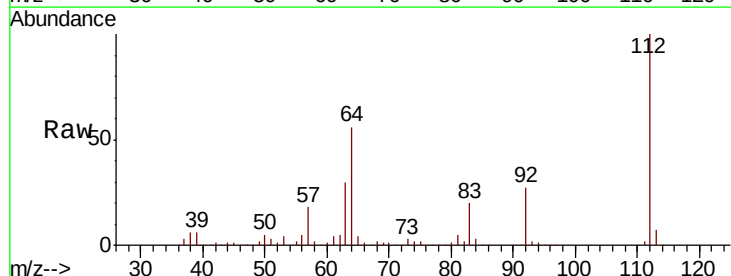
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



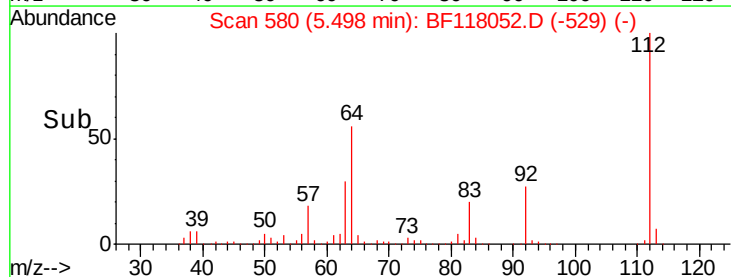
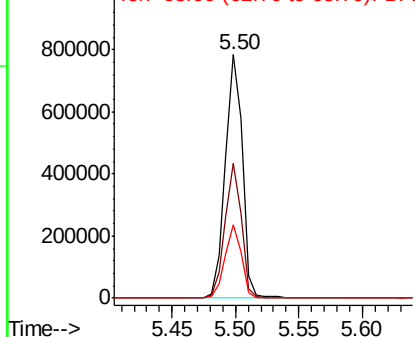
#5

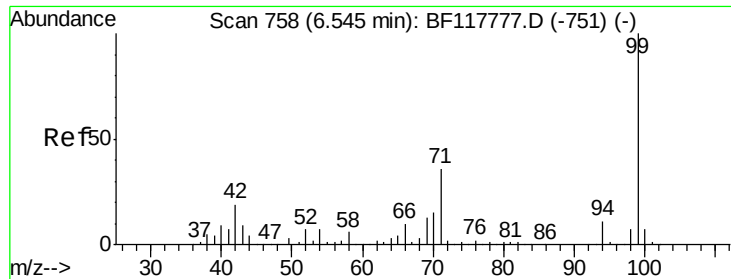
2-Fluorophenol
Concen: 88.668 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Tgt Ion:112 Resp: 733670
Ion Ratio Lower Upper
112 100
64 55.5 45.6 68.4
63 30.4 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: 93.610 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118052.D

Acq: 27 Nov 2019 20:28

Instrument :

BNA_F

ClientSampled :

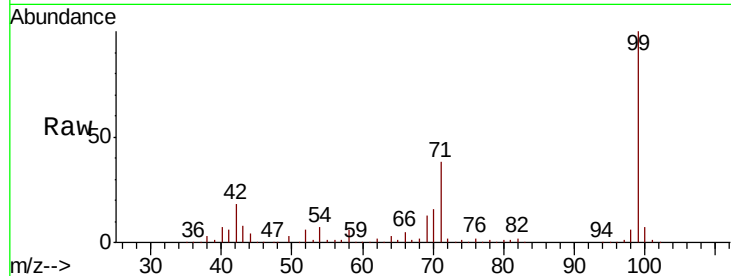
Tot Ion: 99 Resp: 934246

Ion Ratio Lower Upper

99 100

42 18.1 14.9 22.3

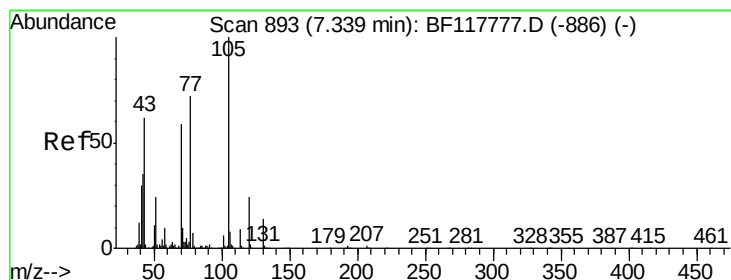
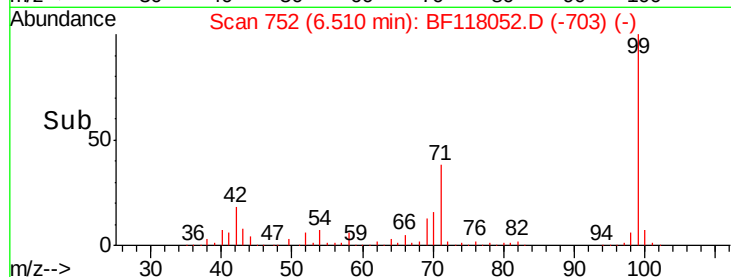
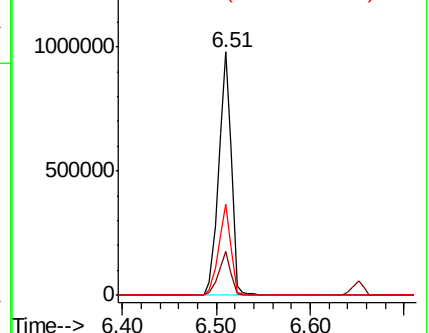
71 37.6 28.6 43.0



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: 12.437 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF118052.D

Acq: 27 Nov 2019 20:28

Tgt Ion: 70 Resp: 76572

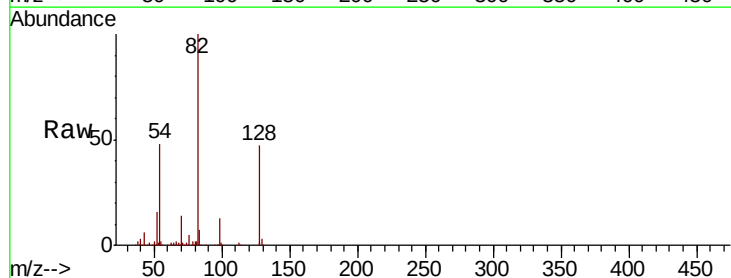
Ion Ratio Lower Upper

70 100

42 45.2 47.4 71.2#

101 0.0 8.4 12.6#

130 1.7 18.8 28.2#

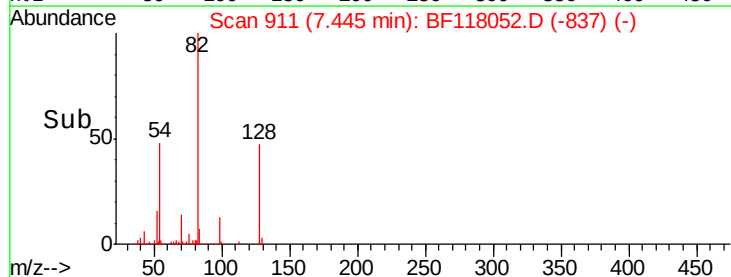
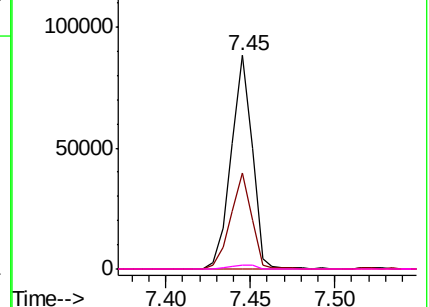


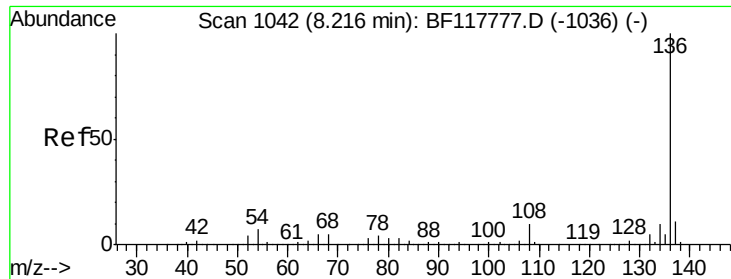
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

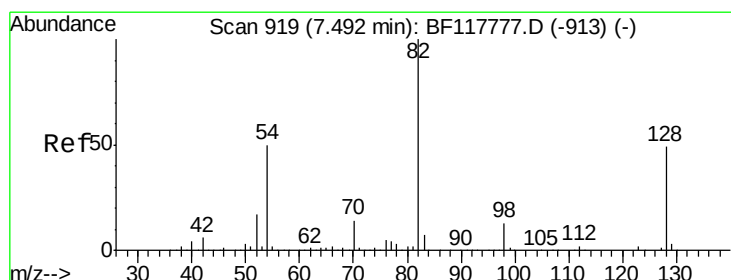
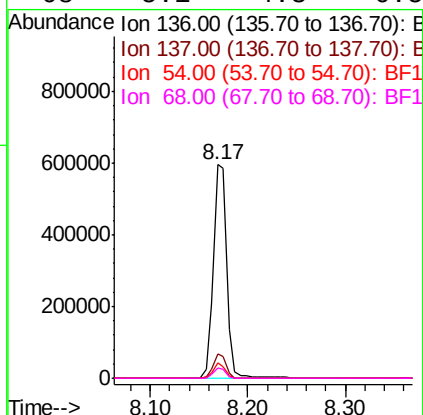
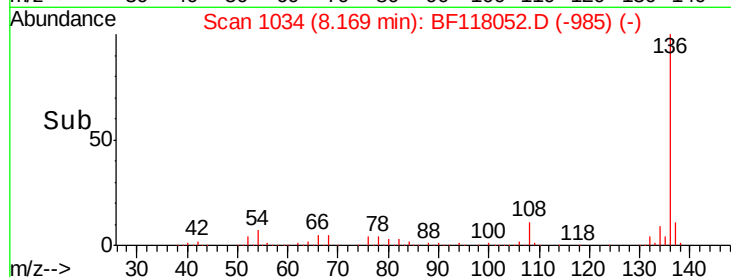
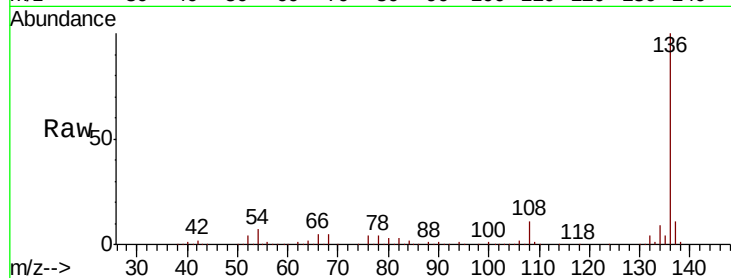




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

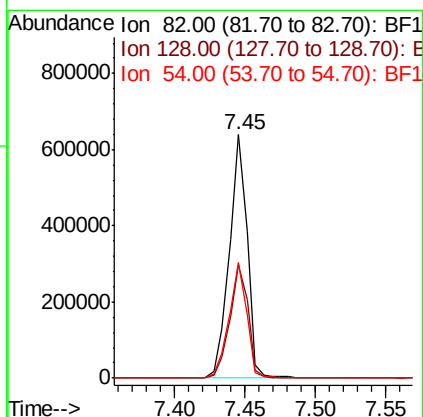
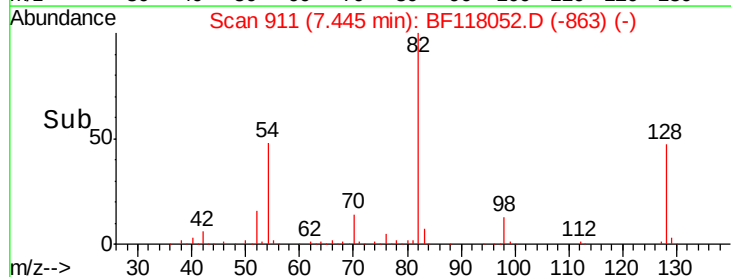
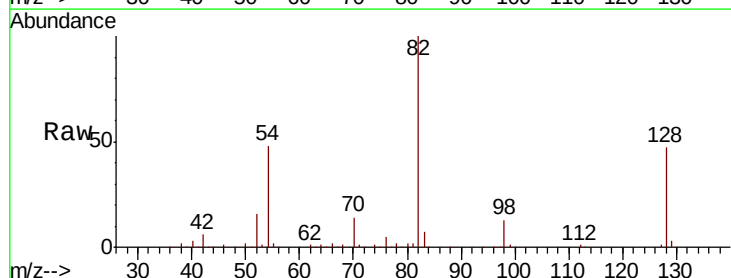
Instrument :
BNA_F
ClientSampleId :

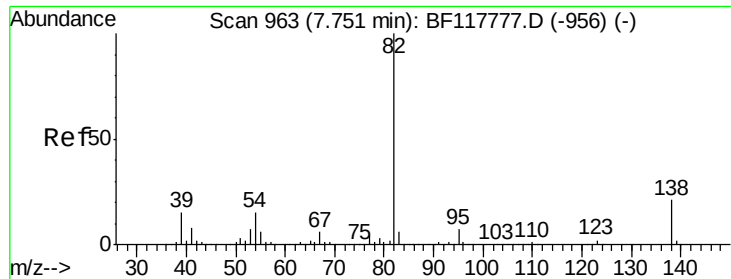
Tot Ion:136	Resp:	568755
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.0 13.4
54	7.0	5.4 8.2
68	5.1	4.3 6.5



#23
Nitrobenzene-d5
Concen: 59.021 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Tgt Ion: 82	Resp:	564692
Ion	Ratio	Lower Upper
82	100	
128	46.6	38.9 58.3
54	47.7	39.8 59.6





#25

Isophorone

Concen: 32.202 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF118052.D

Acq: 27 Nov 2019 20:28

Instrument :

BNA_F

ClientSampleId :

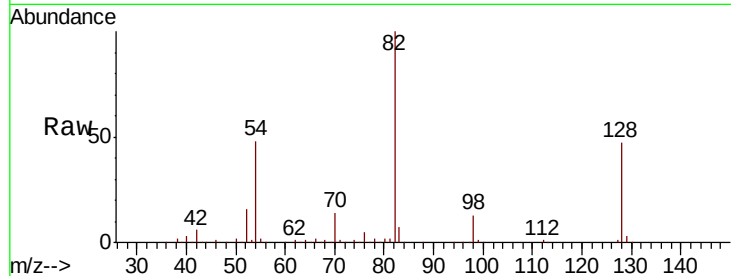
Tot Ion: 82 Resp: 564686

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 16.5 24.7#

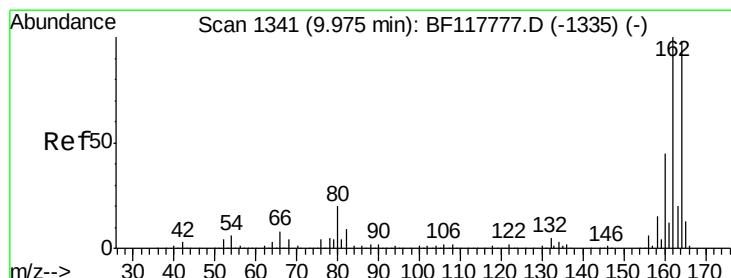
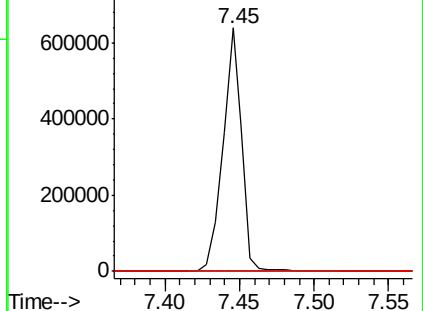
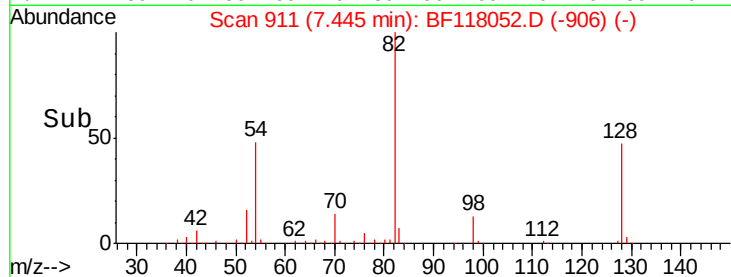


Abundance Ion 82.00 (81.70 to 82.70): BF117777.D (-956) (-)

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: BF118052.D

Acq: 27 Nov 2019 20:28

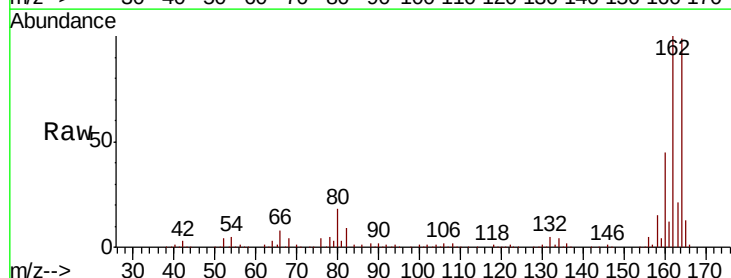
Tgt Ion: 164 Resp: 287945

Ion Ratio Lower Upper

164 100

162 100.9 81.3 121.9

160 45.0 36.6 55.0

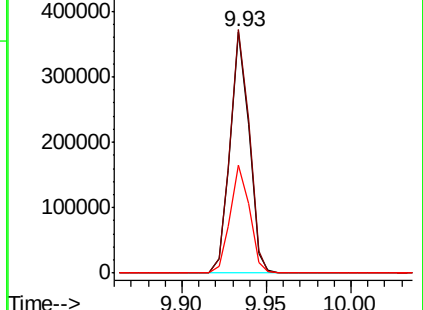
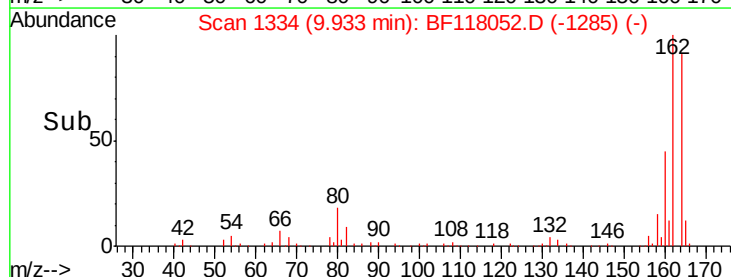


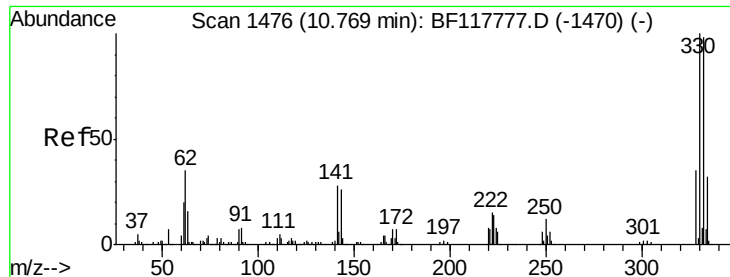
Abundance Ion 164.00 (163.70 to 164.70): BF117777.D (-1335) (-)

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

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

Time-->

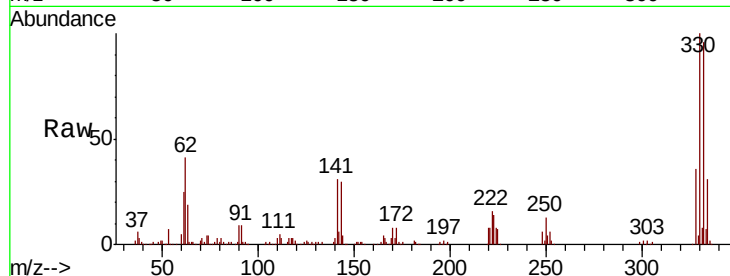




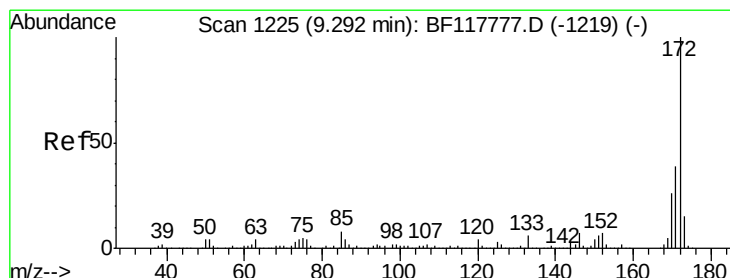
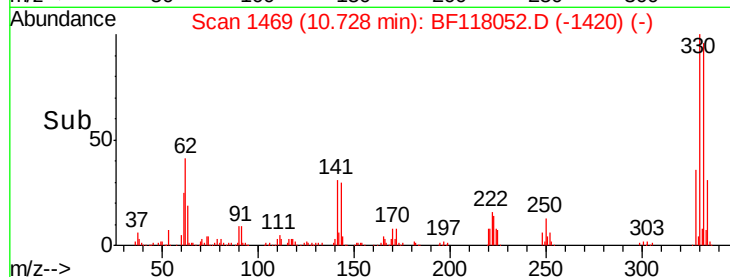
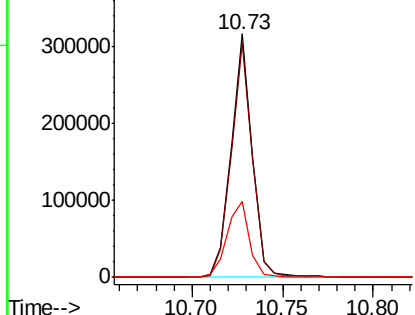
#42
 2,4,6-Tribromophenol
 Concen: 84.122 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF118052.D
 Acq: 27 Nov 2019 20:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 256441
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.7 115.1
 141 33.3 27.7 41.5

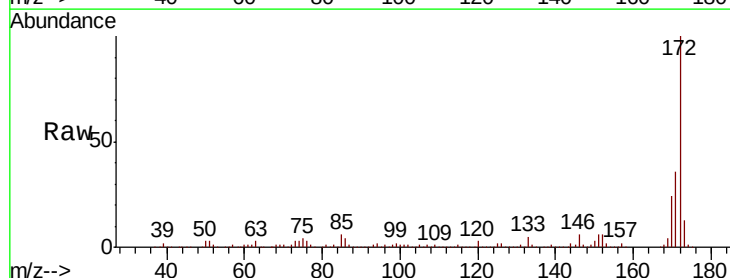


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

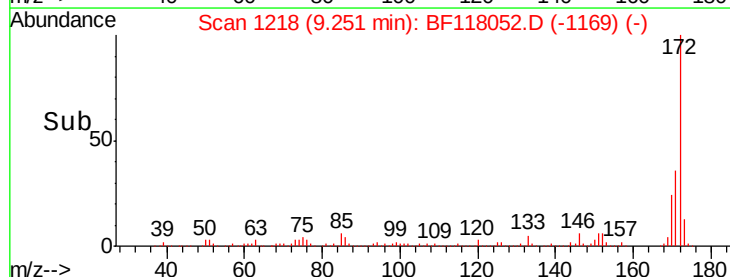
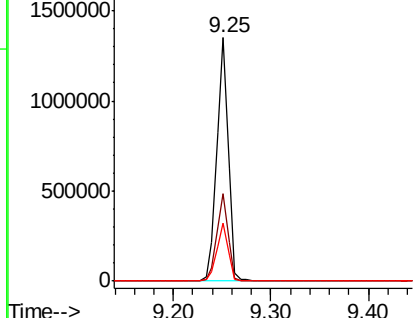


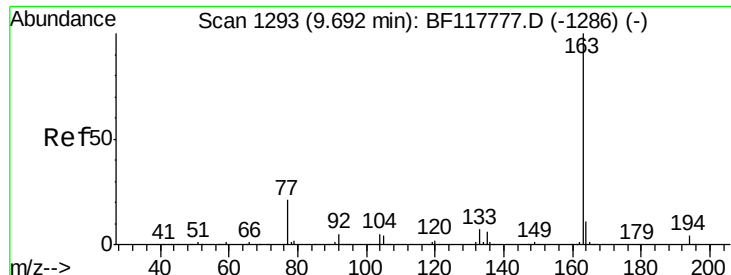
#45
 2-Fluorobiphenyl
 Concen: 69.021 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF118052.D
 Acq: 27 Nov 2019 20:28

Tgt Ion:172 Resp: 1107804
 Ion Ratio Lower Upper
 172 100
 171 35.7 30.9 46.3
 170 23.9 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

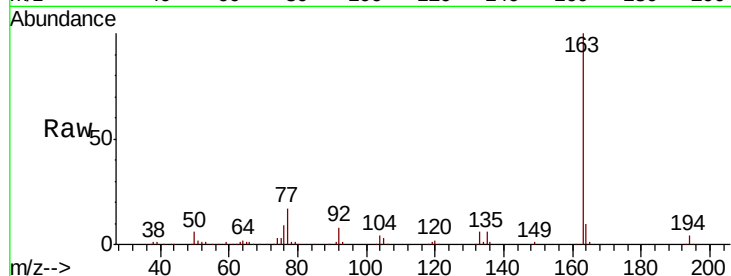




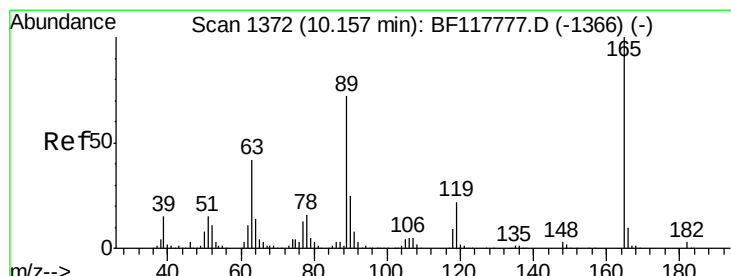
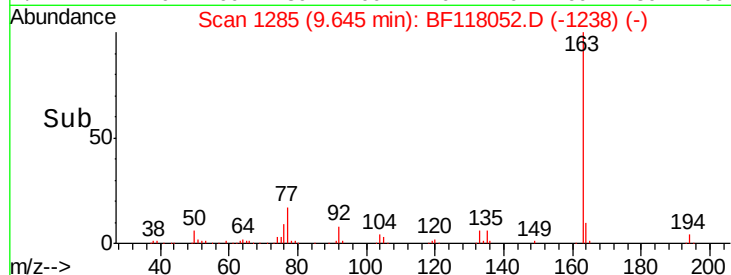
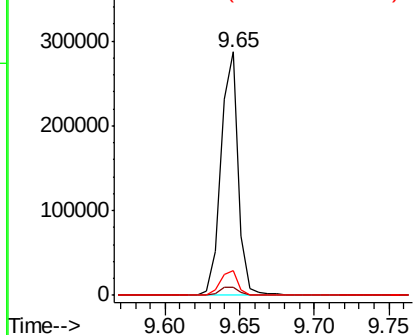
#50
Dimethylphthalate
Concen: 11.619 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.3	4.9
164	10.2	8.7	13.1



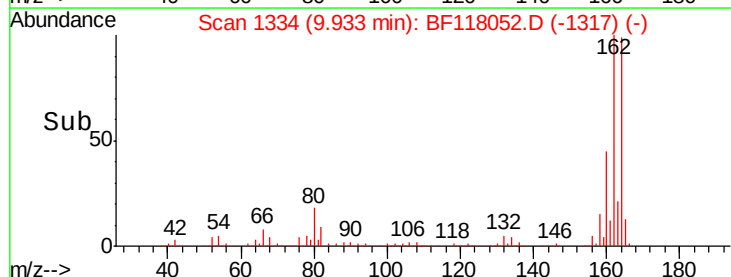
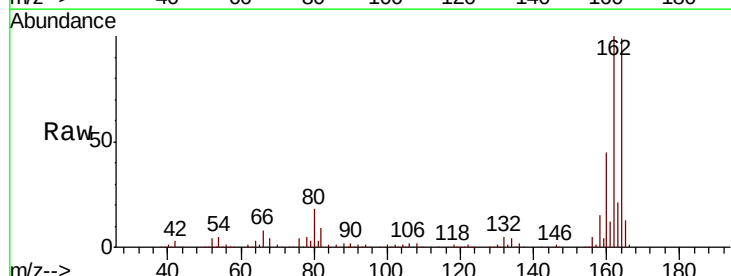
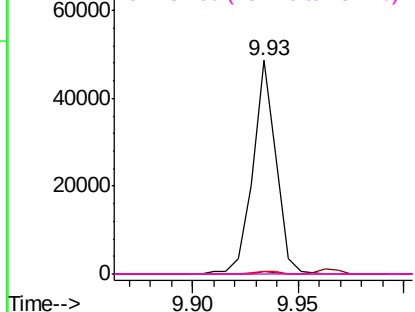
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

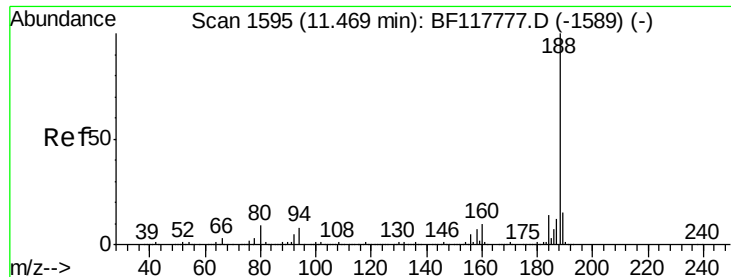


#57
2,4-Dinitrotoluene
Concen: 6.620 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.20 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.7	50.5#
89	1.5	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

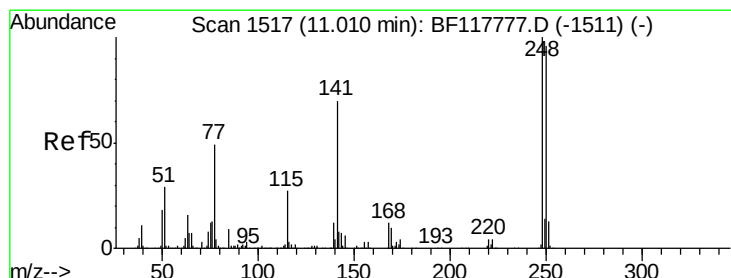
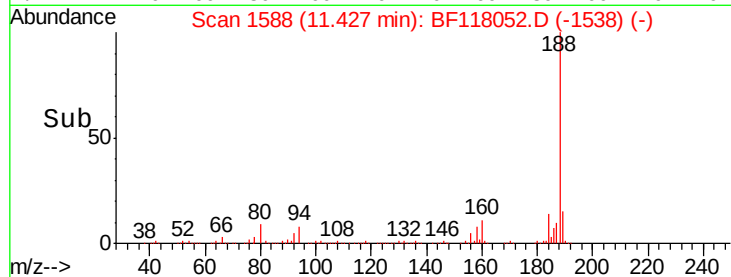
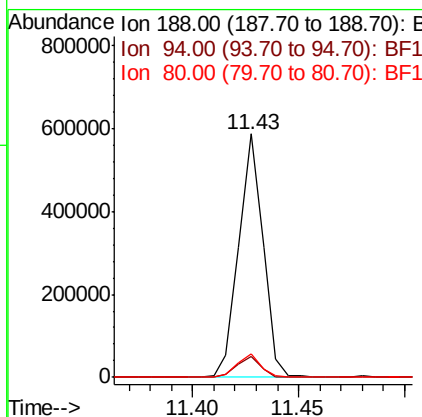
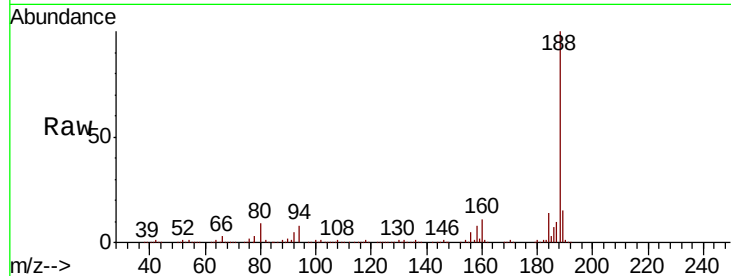




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF118052.D
 Acq: 27 Nov 2019 20:28

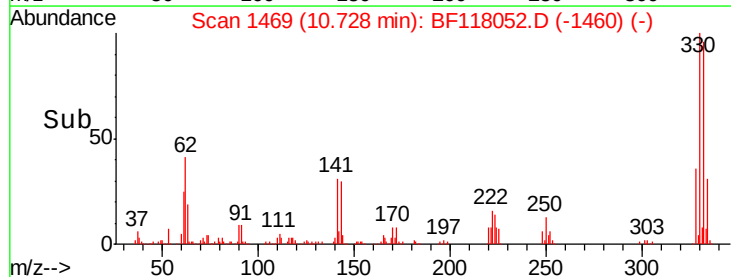
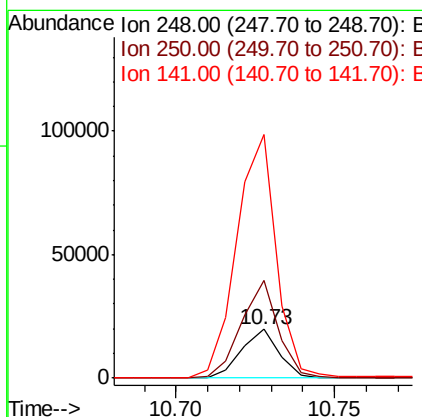
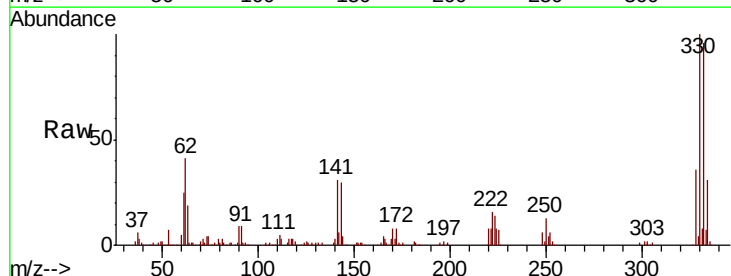
Instrument :
 BNA_F
 ClientSampleId :

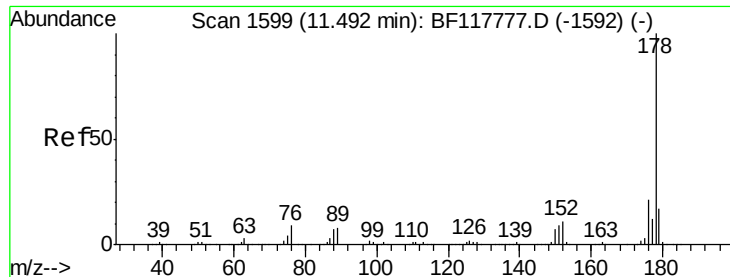
Tot Ion:188 Resp: 466877
 Ion Ratio Lower Upper
 188 100
 94 8.5 6.6 10.0
 80 9.4 7.2 10.8



#67
 4-Bromophenyl-phenylether
 Concen: 3.197 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.25 min
 Lab File: BF118052.D
 Acq: 27 Nov 2019 20:28

Tgt Ion:248 Resp: 16104
 Ion Ratio Lower Upper
 248 100
 250 200.4 76.6 115.0#
 141 497.1 55.9 83.9#

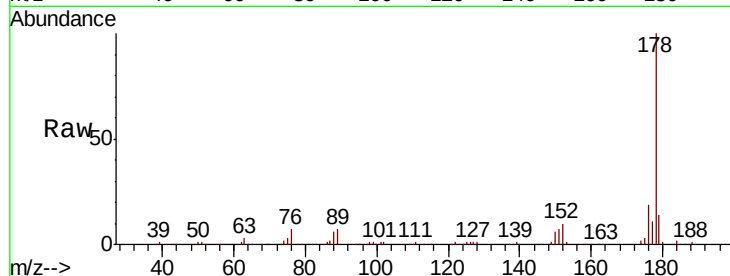




#71
 Phenanthrene
 Concen: 7.303 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BF118052.D
 Acq: 27 Nov 2019 20:28

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.6	25.0
179	14.4	13.2	19.8

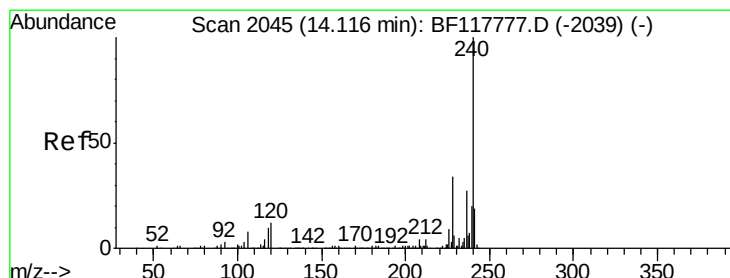
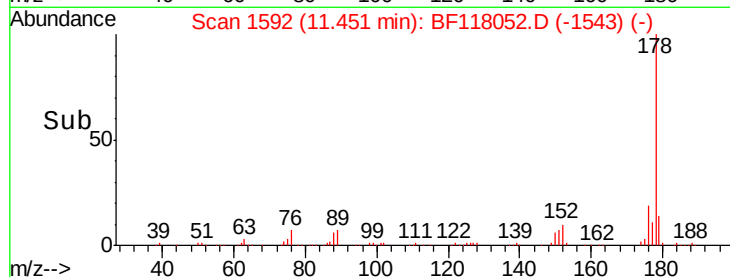
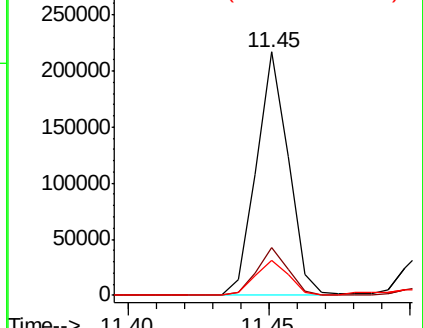


Abundance

Ion 178.00 (177.70 to 178.70): E

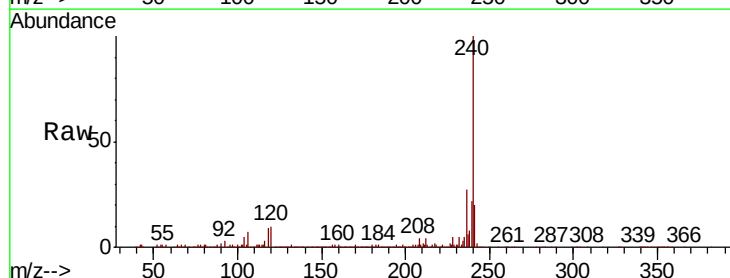
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. -0.01 min
 Lab File: BF118052.D
 Acq: 27 Nov 2019 20:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.5	14.3
236	26.7	21.3	31.9

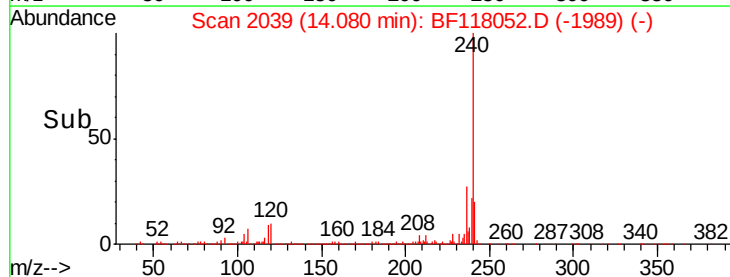
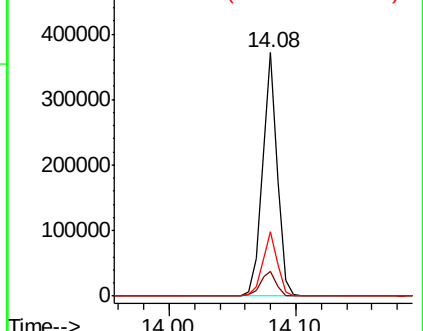


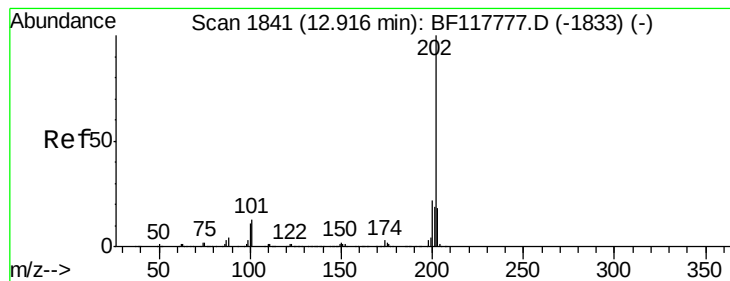
Abundance

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: 7.018 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF118052.D

Acq: 27 Nov 2019 20:28

Instrument :

BNA_F

ClientSampleId :

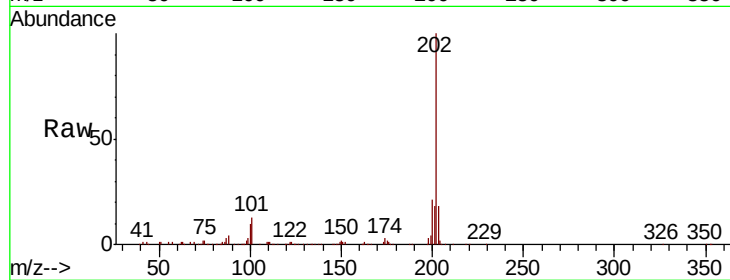
Tot Ion:202 Resp: 174606

Ion Ratio Lower Upper

202 100

200 21.4 17.8 26.8

203 17.8 14.6 22.0

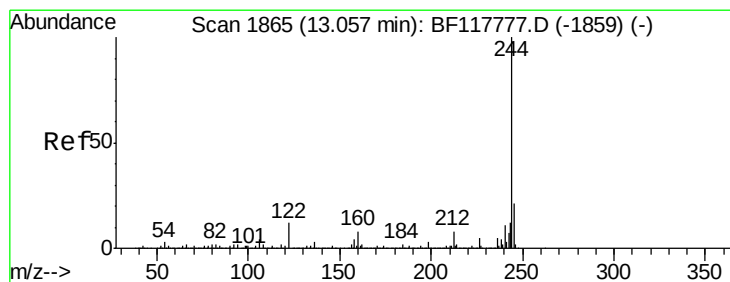
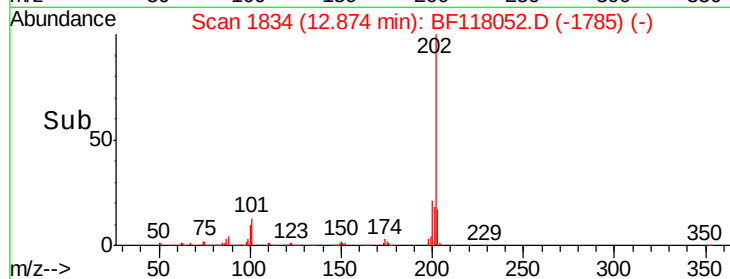
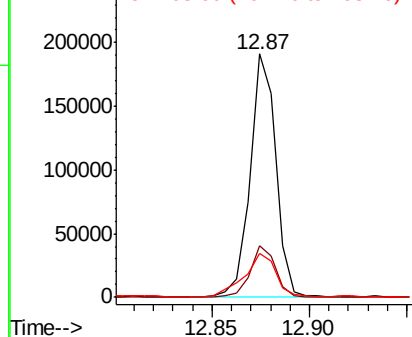


Abundance

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: 57.364 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BF118052.D

Acq: 27 Nov 2019 20:28

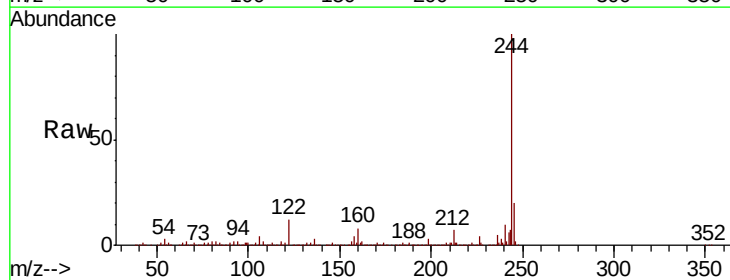
Tgt Ion:244 Resp: 966234

Ion Ratio Lower Upper

244 100

212 7.1 6.3 9.5

122 11.9 9.4 14.2

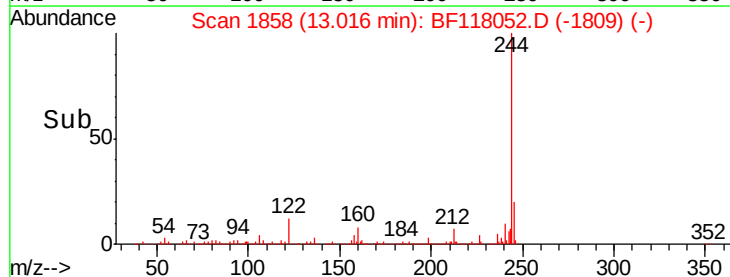
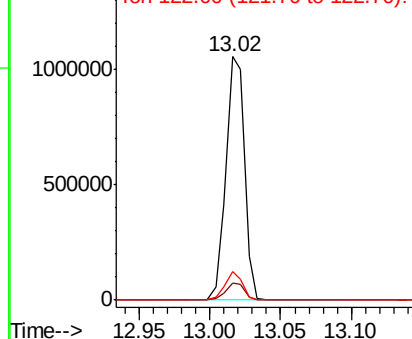


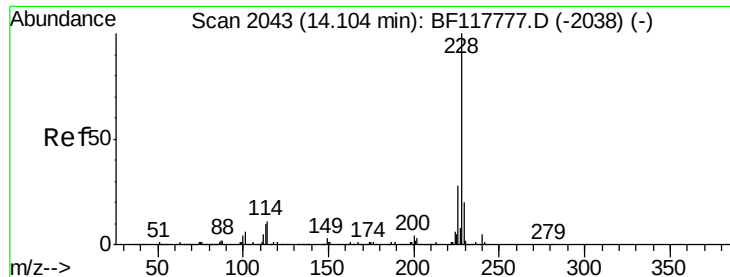
Abundance

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

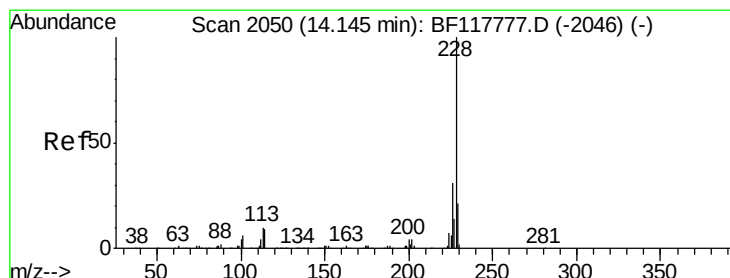
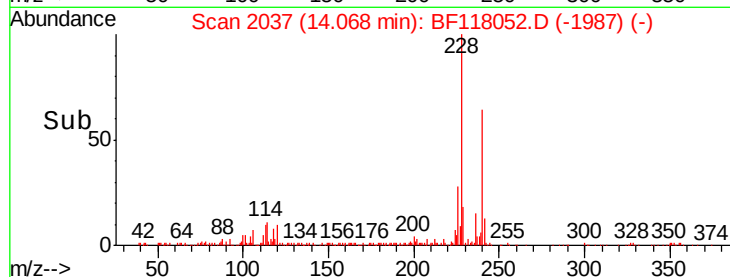
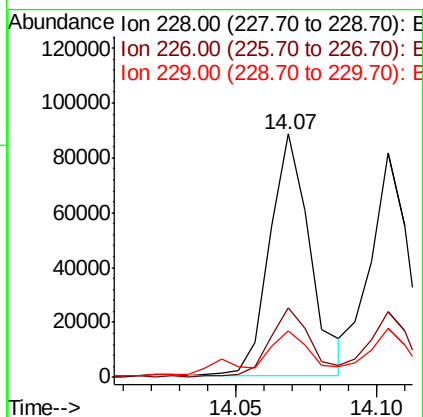
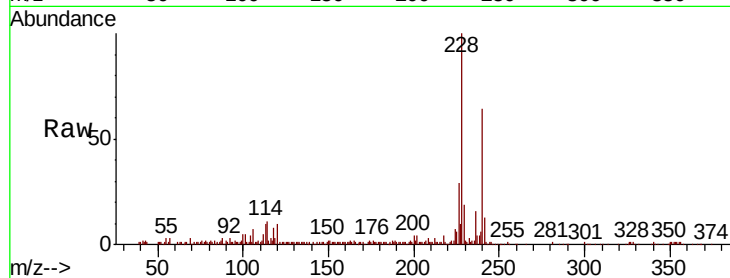




#81
Benzo(a)anthracene
Concen: 4.315 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

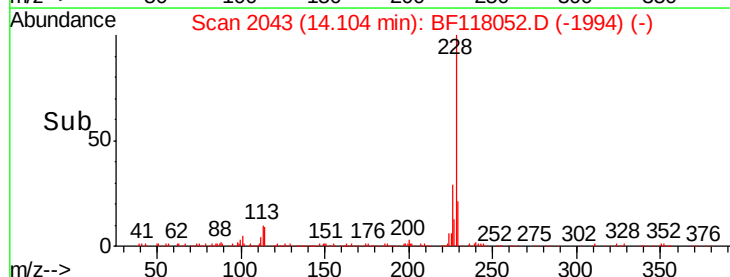
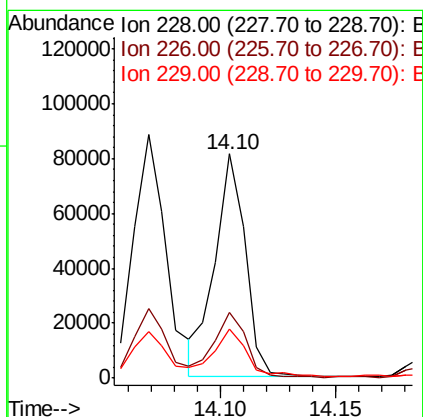
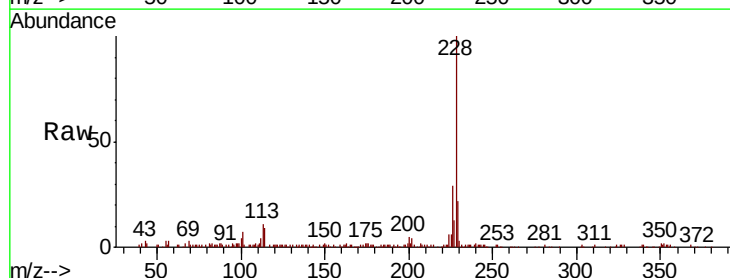
Instrument :
BNA_F
ClientSampled :

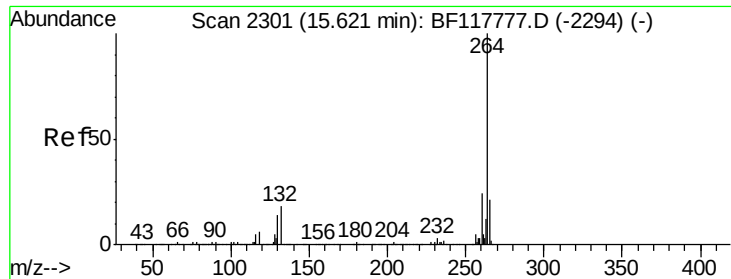
Tot Ion:228 Resp: 87770
Ion Ratio Lower Upper
228 100
226 28.7 22.2 33.2
229 19.0 15.9 23.9



#83
Chrysene
Concen: 3.784 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Tgt Ion:228 Resp: 74600
Ion Ratio Lower Upper
228 100
226 29.2 25.0 37.4
229 22.0 16.6 25.0

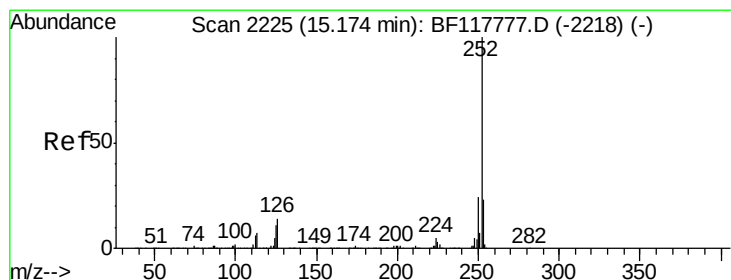
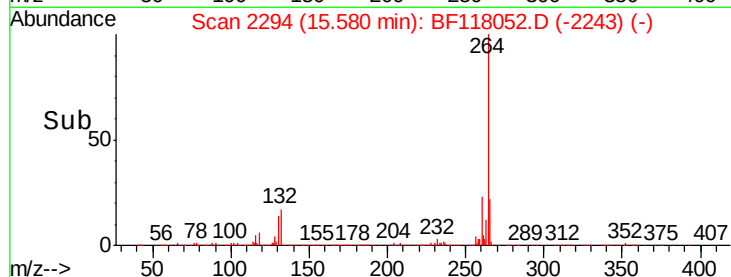
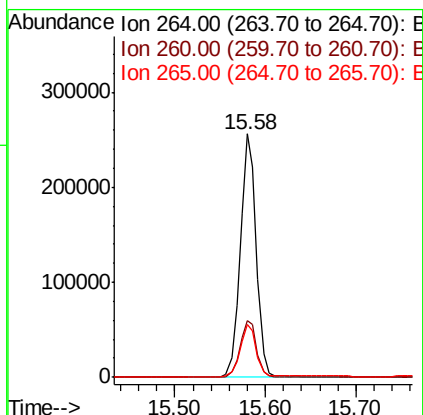
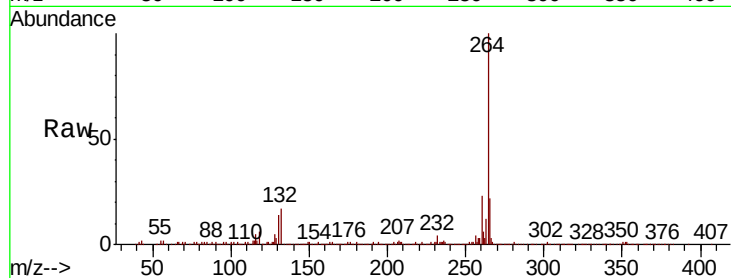




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.00 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

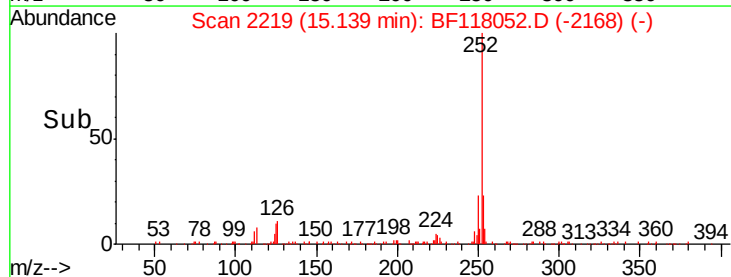
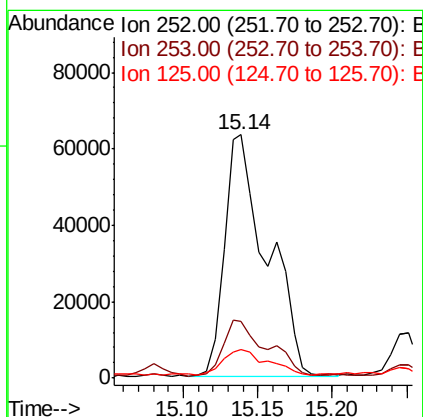
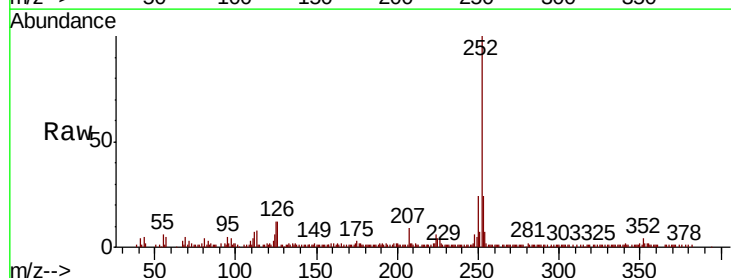
Instrument :
BNA_F
ClientSampleId :

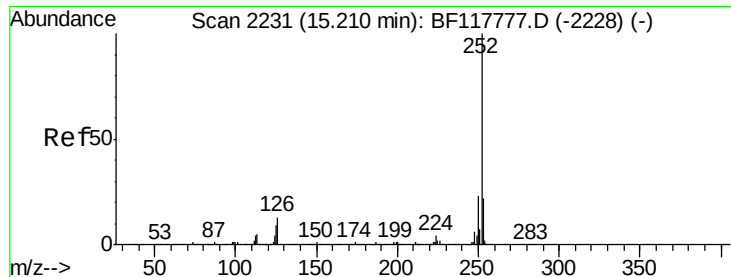
Tot Ion:264 Resp: 316765
Ion Ratio Lower Upper
264 100
260 23.3 19.4 29.0
265 21.9 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 6.100 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Tgt Ion:252 Resp: 125548
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 11.7 8.6 13.0

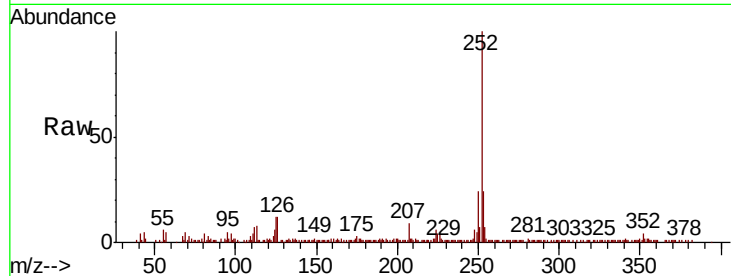




#89
Benzo(k)fluoranthene
Concen: 6.474 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.04 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	11.7	7.9	11.9

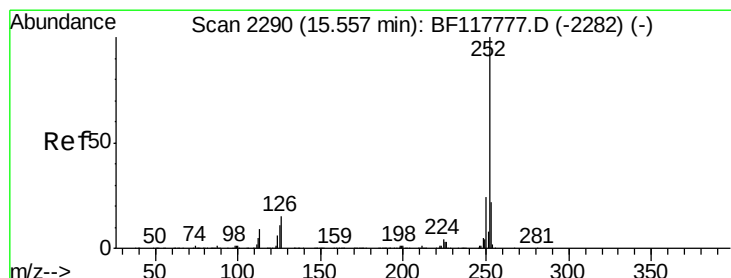
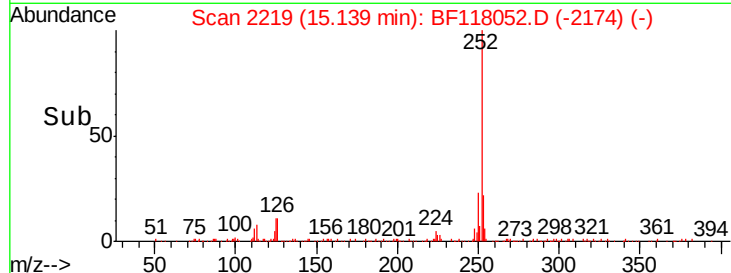
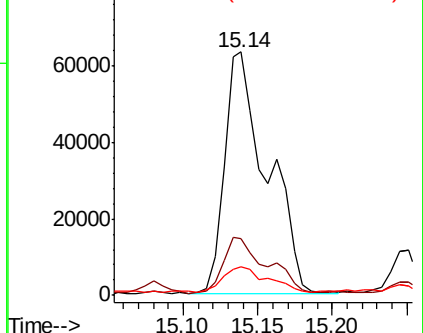


Abundance

Ion 252.00 (251.70 to 252.70): E

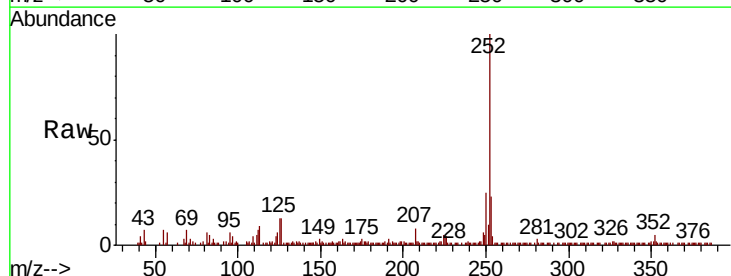
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 3.613 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF118052.D
Acq: 27 Nov 2019 20:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	12.7	9.2	13.8

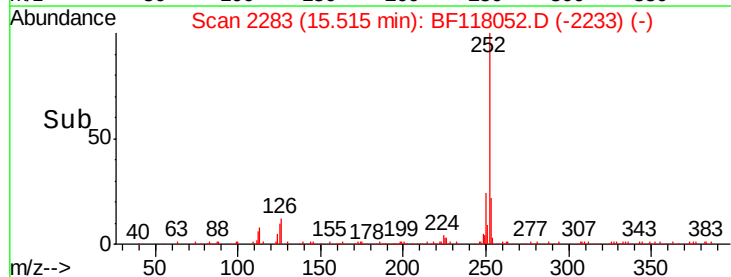
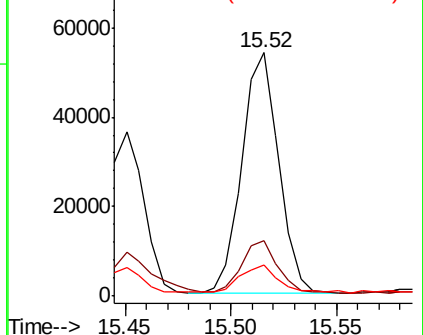


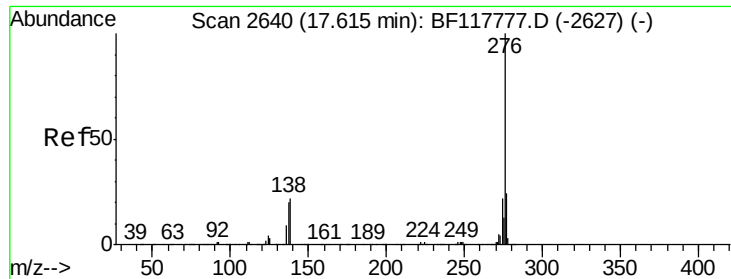
Abundance

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(a,h,i)perylene
 Concen: 2.091 ng
 RT: 17.55 min Scan# 2629
 Delta R.T. -0.01 min
 Lab File: BF118052.D
 Acq: 27 Nov 2019 20:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	20.3	17.4	26.2

