

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118056.D
 Acq On : 27 Nov 2019 22:19
 Operator : JU
 Sample : K5667-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 28 00:17:17 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	132120	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	502408	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	233848	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	368671	20.00	ng	0.00
76) Chrysene-d12	14.08	240	313754	20.00	ng	0.00
87) Perylene-d12	15.59	264	266921	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	378521	50.71	ng	0.00
7) Phenol-d6	6.50	99	475430	52.81	ng	-0.02
23) Nitrobenzene-d5	7.45	82	278507	32.95	ng	-0.02
42) 2,4,6-Tribromophenol	10.73	330	114055	46.07	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	563836	43.26	ng	-0.01
79) Terphenyl-d14	13.02	244	531179	30.94	ng	0.00

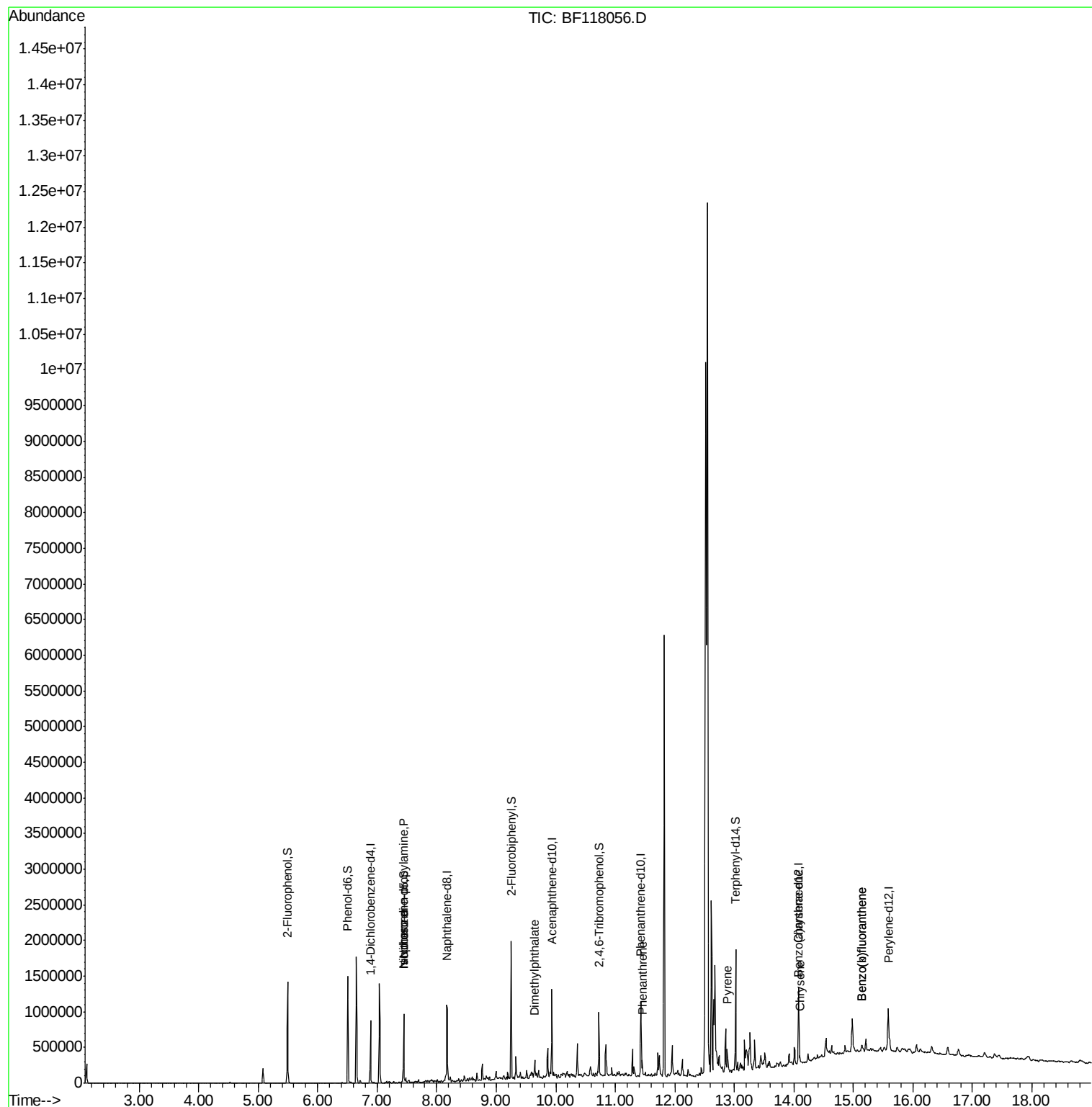
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	952	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.45	70	37622	6.774	ng	# 75
25) Isophorone	7.45	82	278258	17.963	ng	# 62
50) Dimethylphthalate	9.65	163	67730	4.130	ng	# 94
71) Phenanthrene	11.45	178	75587	4.078	ng	96
75) Fluoranthene	12.65	202	100036	Below Cal		98
78) Pyrene	12.88	202	113540	4.478	ng	98
81) Benzo(a)anthracene	14.07	228	47508	2.291	ng	95
83) Chrysene	14.10	228	44265	2.203	ng	96
88) Benzo(b)fluoranthene	15.14	252	53712	3.097	ng	# 83
89) Benzo(k)fluoranthene	15.14	252	53712	3.287	ng	# 81

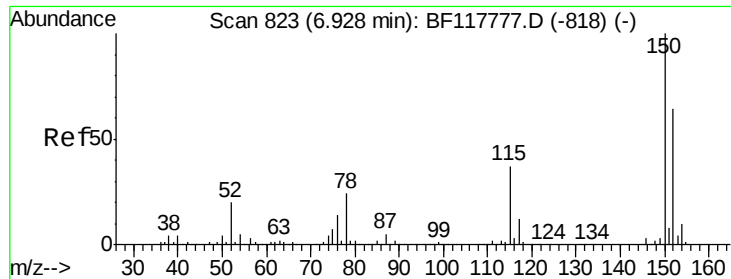
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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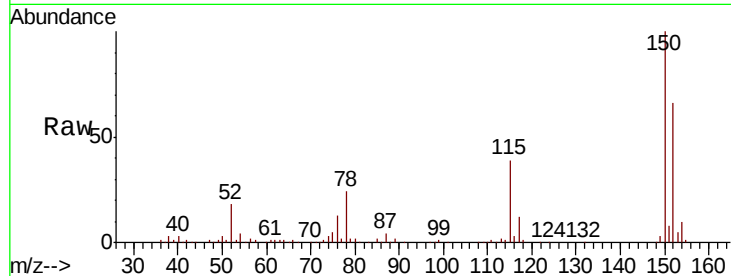


#1

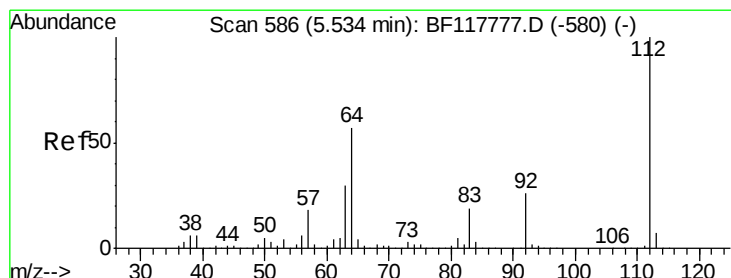
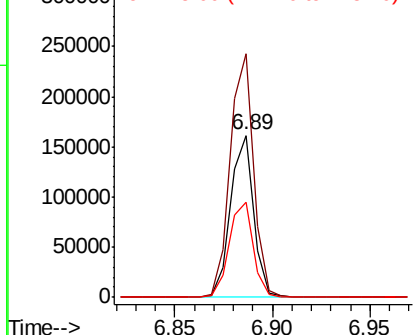
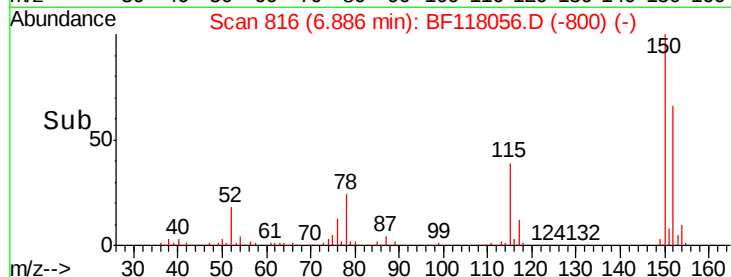
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF118056.D
Acq: 27 Nov 2019 22:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 132120
Ion Ratio Lower Upper
152 100
150 150.4 125.3 187.9
115 58.4 47.0 70.4



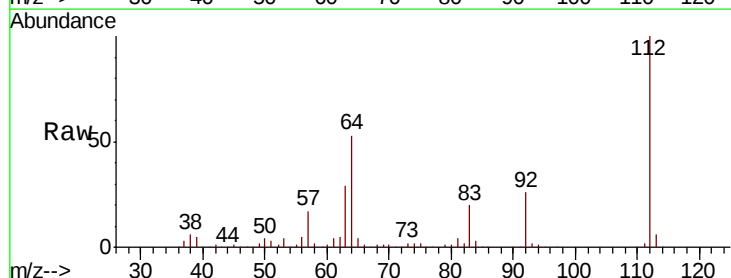
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



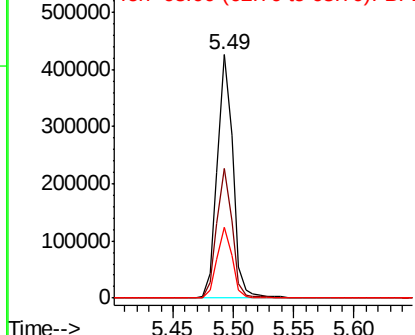
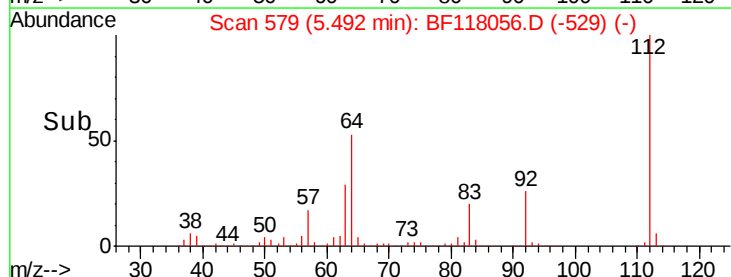
#5

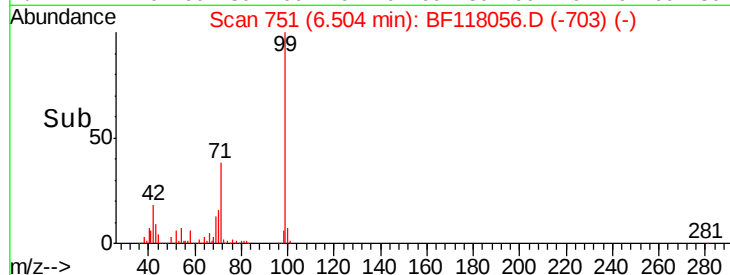
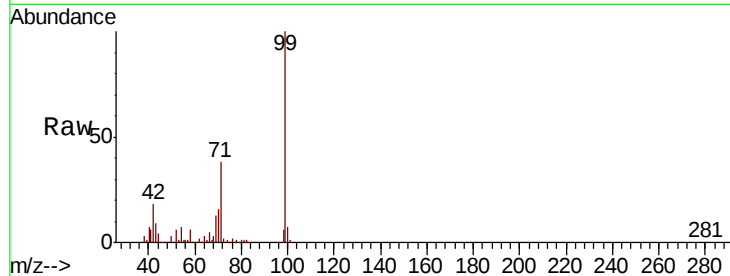
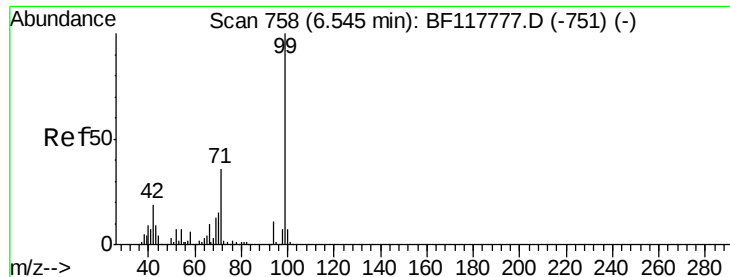
2-Fluorophenol
Concen: 50.713 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF118056.D
Acq: 27 Nov 2019 22:19

Tgt Ion:112 Resp: 378521
Ion Ratio Lower Upper
112 100
64 53.4 45.6 68.4
63 29.2 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: 52.809 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF118056.D

Acq: 27 Nov 2019 22:19

Instrument :

BNA_F

ClientSampleId :

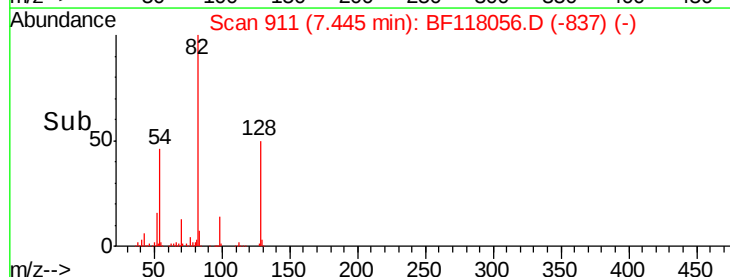
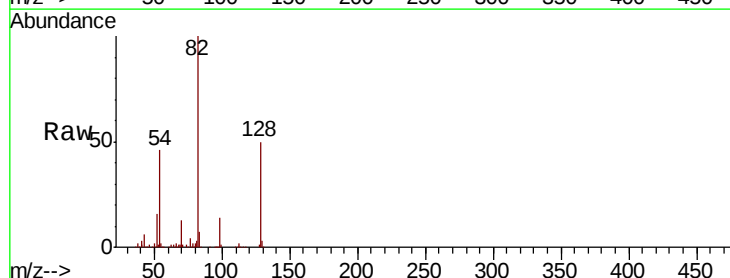
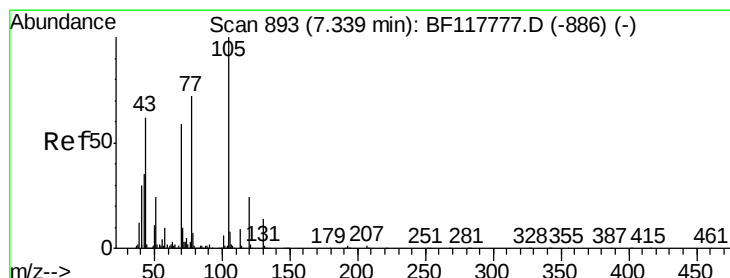
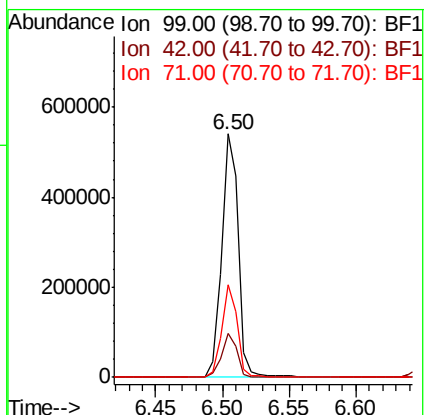
Tot Ion: 99 Resp: 475430

Ion Ratio Lower Upper

99 100

42 17.9 14.9 22.3

71 37.9 28.6 43.0



#19

n-Nitroso-di-n-propylamine

Concen: 6.774 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF118056.D

Acq: 27 Nov 2019 22:19

Tgt Ion: 70 Resp: 37622

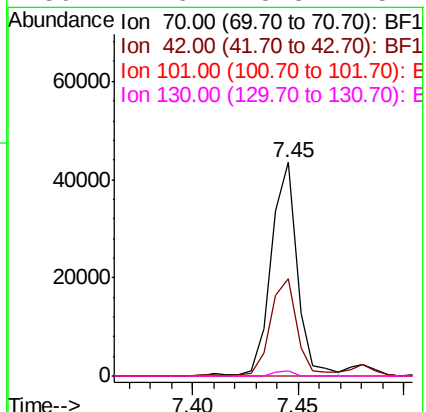
Ion Ratio Lower Upper

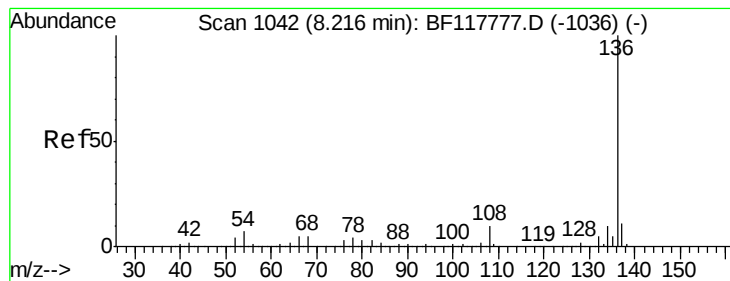
70 100

42 45.8 47.4 71.2#

101 0.0 8.4 12.6#

130 2.6 18.8 28.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF118056.D

Acq: 27 Nov 2019 22:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 502408

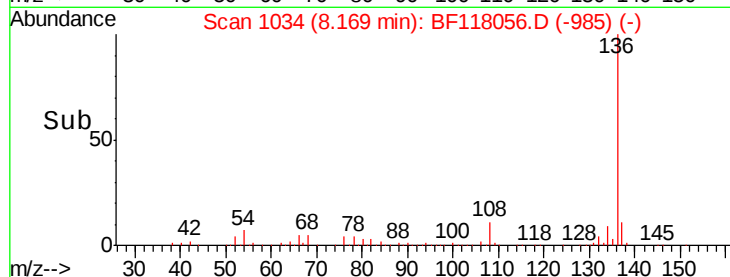
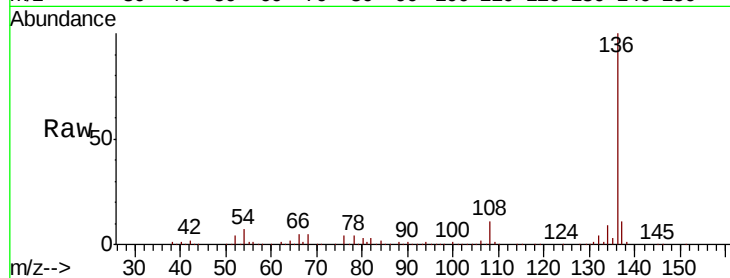
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 6.6 5.4 8.2

68 5.1 4.3 6.5

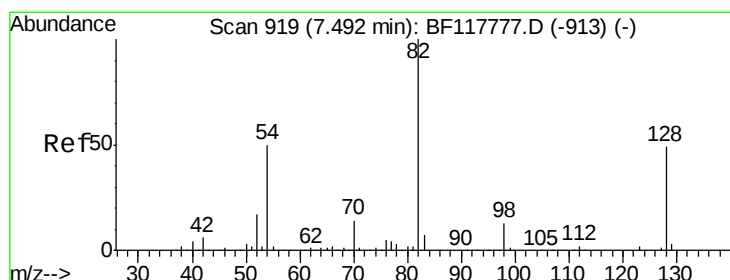
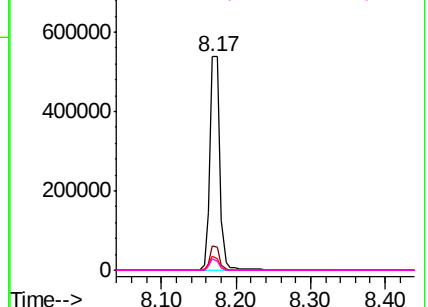


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 32.953 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF118056.D

Acq: 27 Nov 2019 22:19

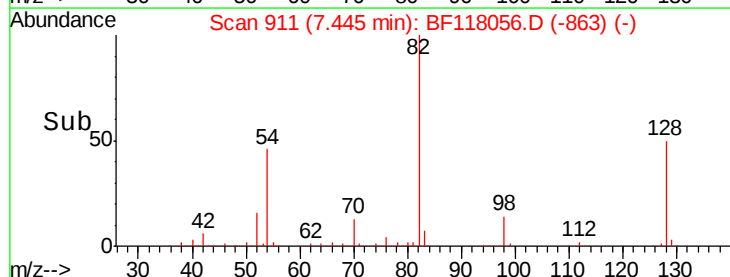
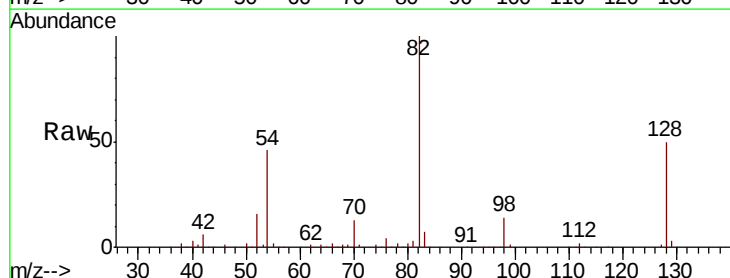
Tgt Ion: 82 Resp: 278507

Ion Ratio Lower Upper

82 100

128 49.7 38.9 58.3

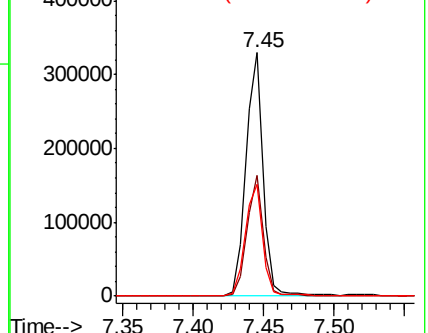
54 45.7 39.8 59.6

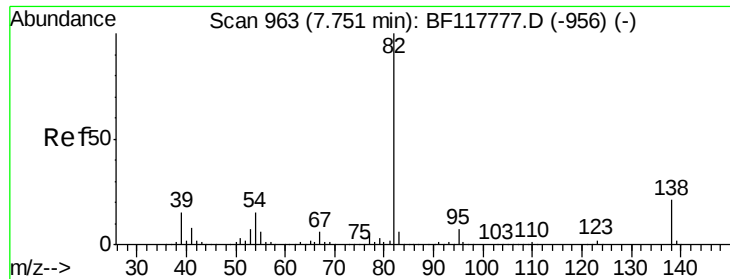


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

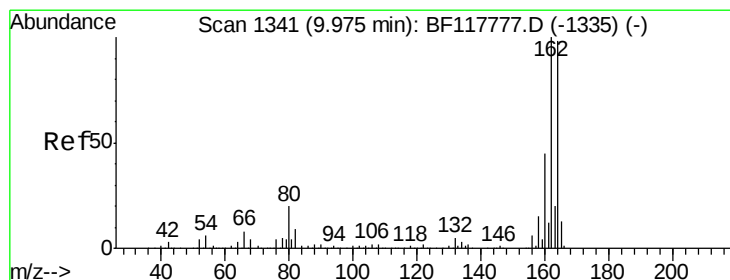
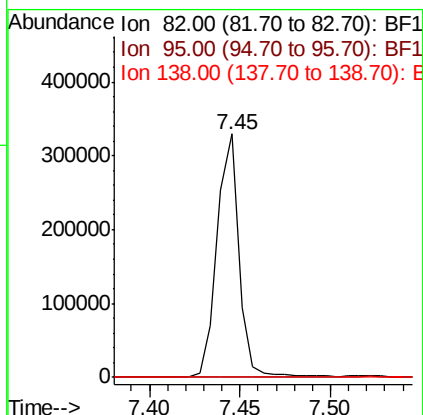
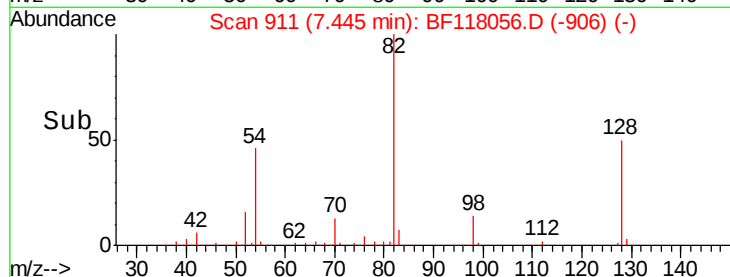
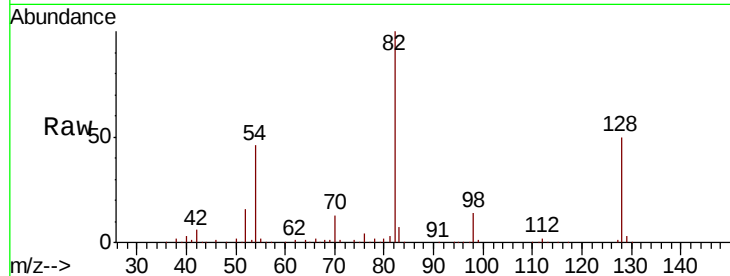




#25
Isophorone
Concen: 17.963 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.27 min
Lab File: BF118056.D
Acq: 27 Nov 2019 22:19

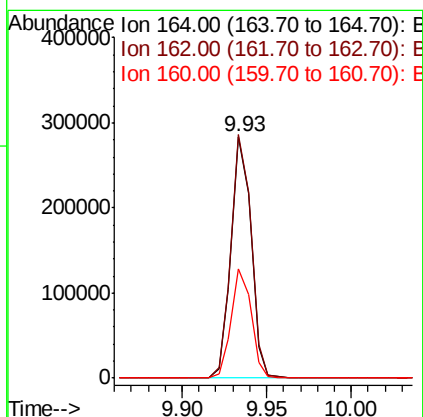
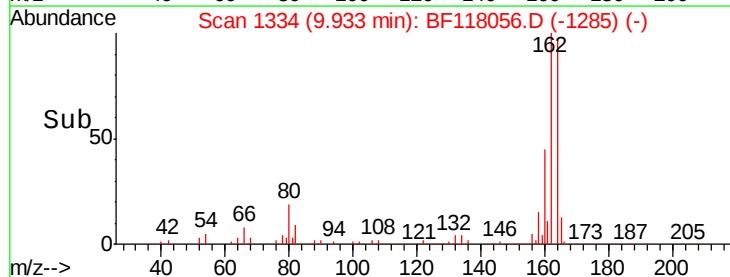
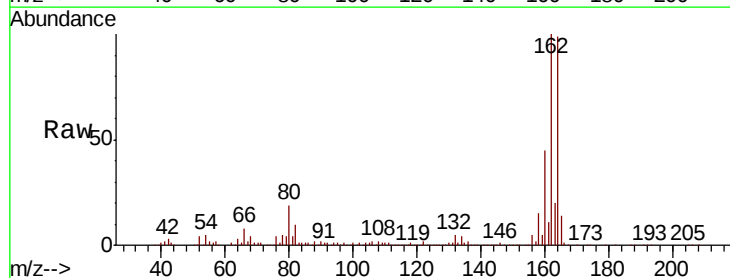
Instrument :
BNA_F
ClientSampled :

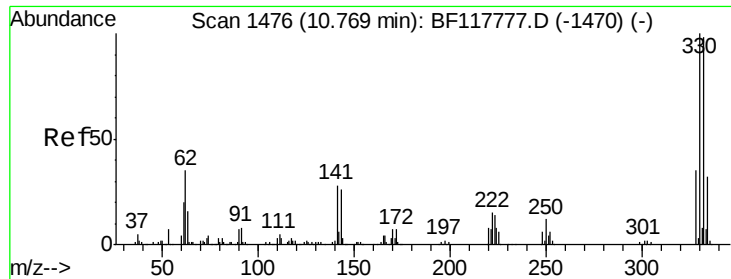
Tot Ion: 82 Resp: 278258
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.8#
138 0.0 16.5 24.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF118056.D
Acq: 27 Nov 2019 22:19

Tgt Ion:164 Resp: 233848
Ion Ratio Lower Upper
164 100
162 101.0 81.3 121.9
160 45.3 36.6 55.0

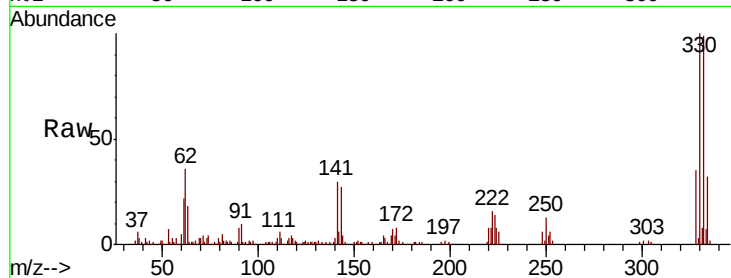




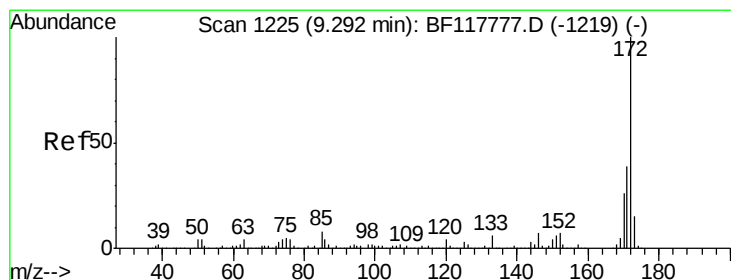
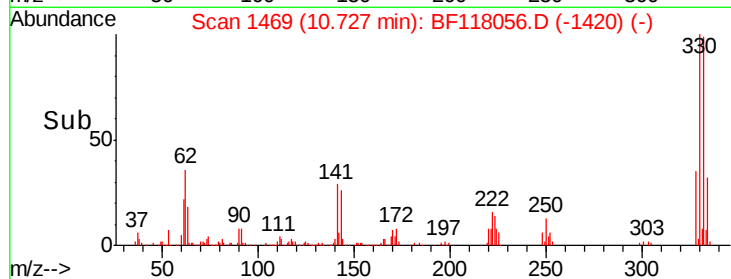
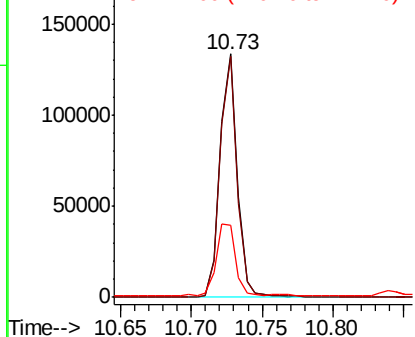
#42
 2,4,6-Tribromophenol
 Concen: 46.069 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF118056.D
 Acq: 27 Nov 2019 22:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.7	115.1
141	33.0	27.7	41.5

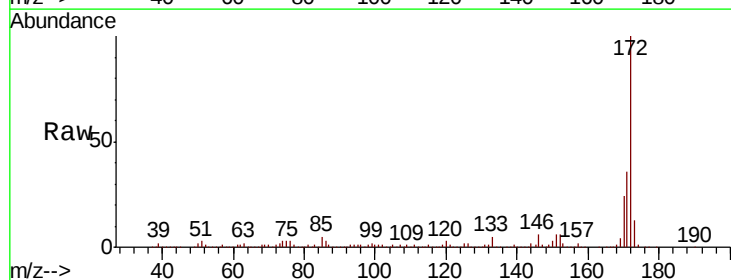


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

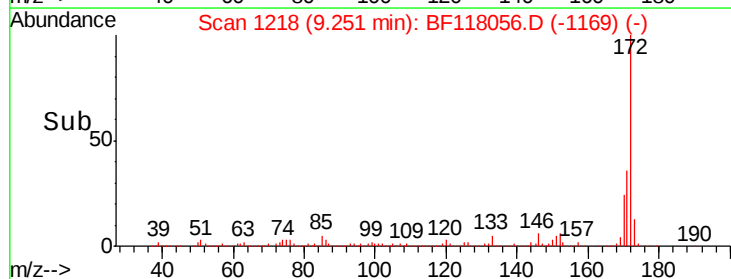
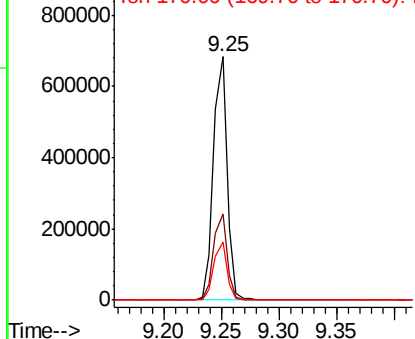


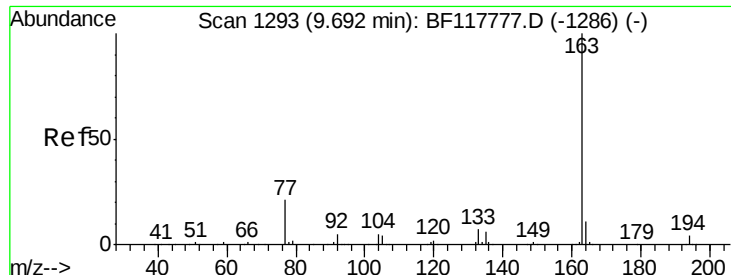
#45
 2-Fluorobiphenyl
 Concen: 43.256 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF118056.D
 Acq: 27 Nov 2019 22:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.9	46.3
170	23.7	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

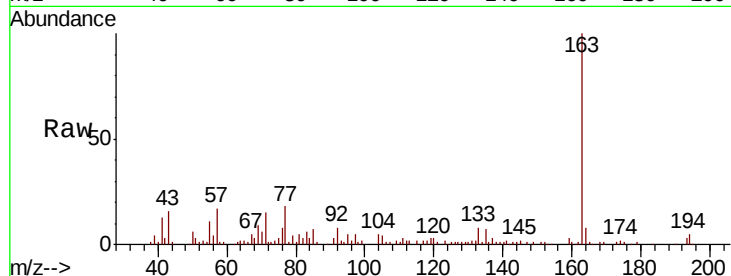




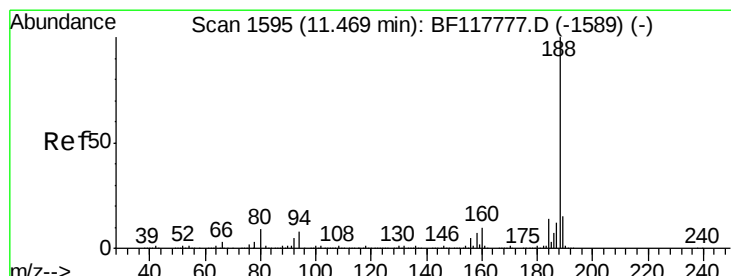
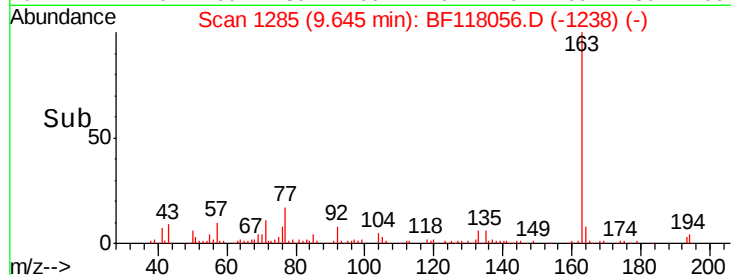
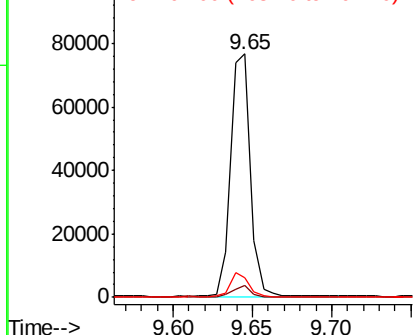
#50
Dimethylphthalate
Concen: 4.130 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF118056.D
Acq: 27 Nov 2019 22:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 67730
Ion Ratio Lower Upper
163 100
194 4.7 3.3 4.9
164 8.1 8.7 13.1#

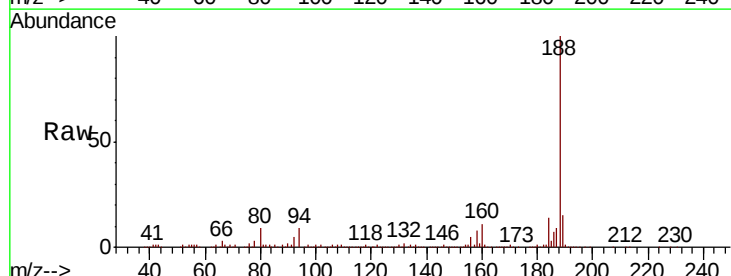


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

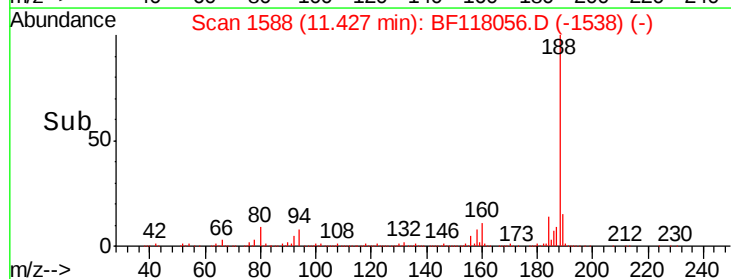
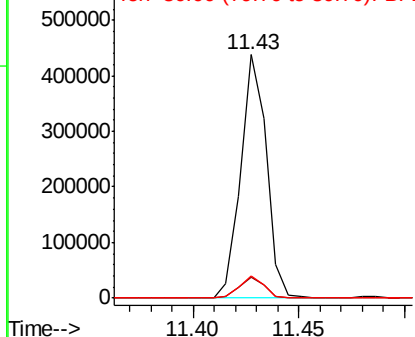


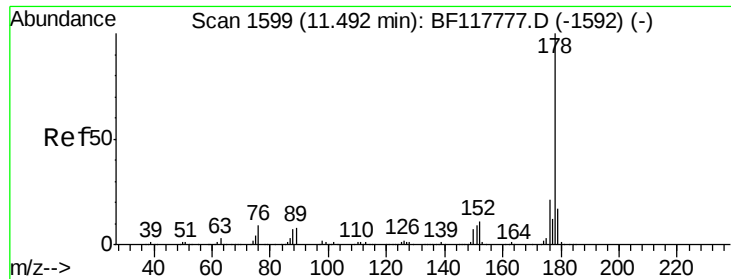
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118056.D
Acq: 27 Nov 2019 22:19

Tgt Ion:188 Resp: 368671
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.4 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

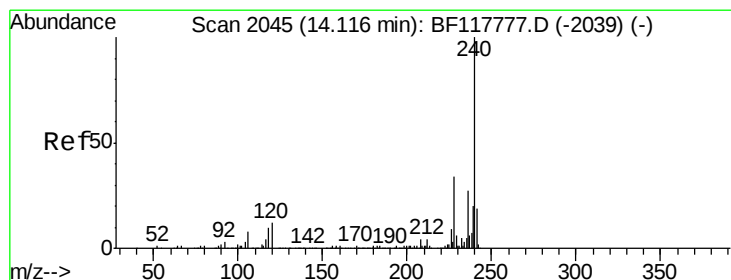
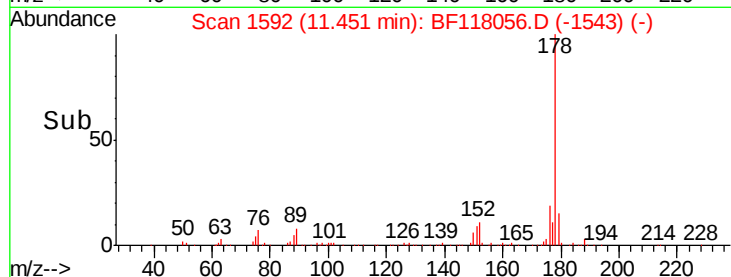
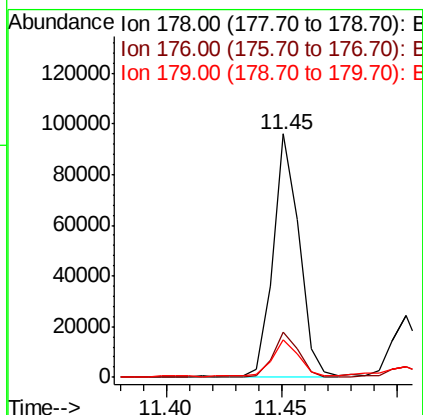
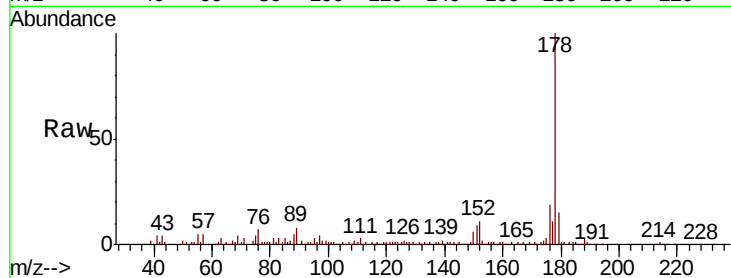




#71
Phenanthrene
Concen: 4.078 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF118056.D
Acq: 27 Nov 2019 22:19

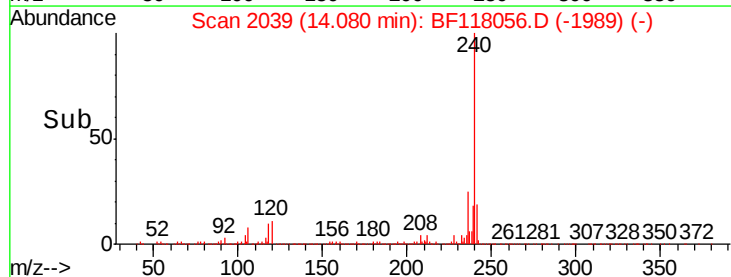
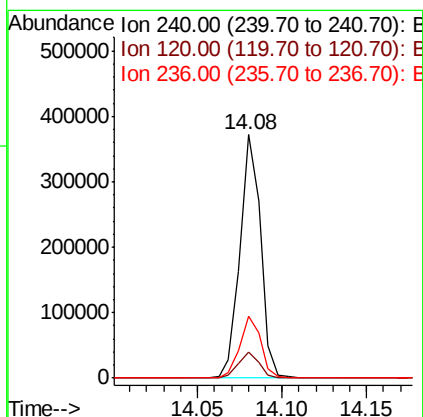
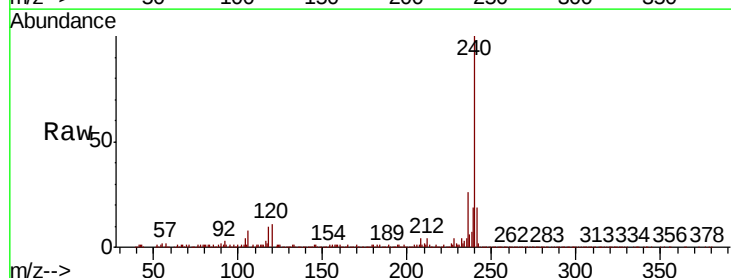
Instrument :
BNA_F
ClientSampleId :

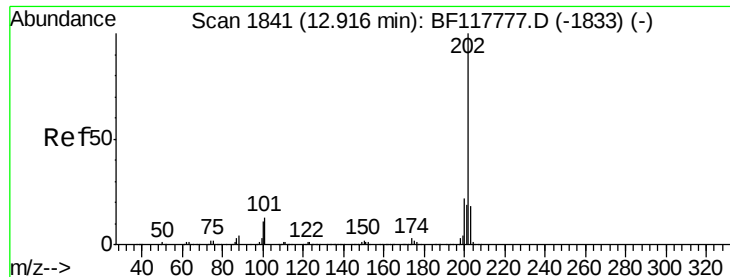
Tot Ion:178 Resp: 75587
Ion Ratio Lower Upper
178 100
176 18.7 16.6 25.0
179 15.4 13.2 19.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF118056.D
Acq: 27 Nov 2019 22:19

Tgt Ion:240 Resp: 313754
Ion Ratio Lower Upper
240 100
120 10.9 9.5 14.3
236 25.7 21.3 31.9

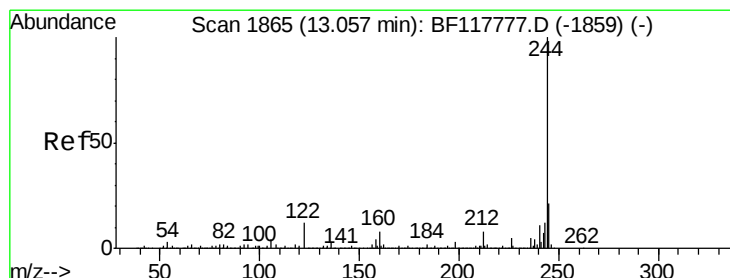
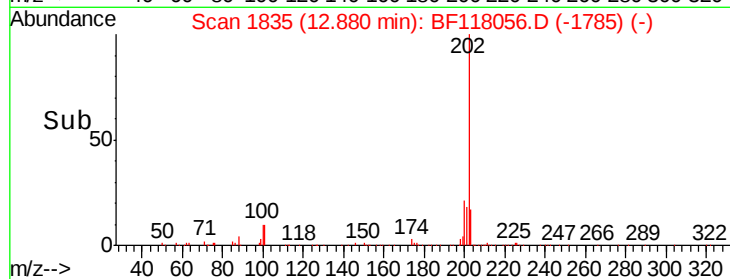
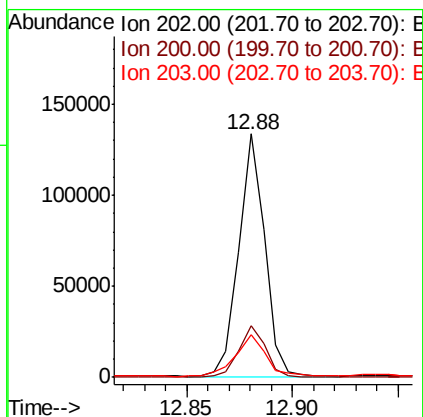
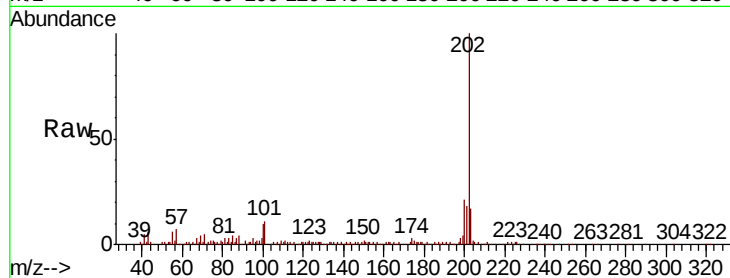




#78
Pvrene
Concen: 4.478 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF118056.D
Acq: 27 Nov 2019 22:19

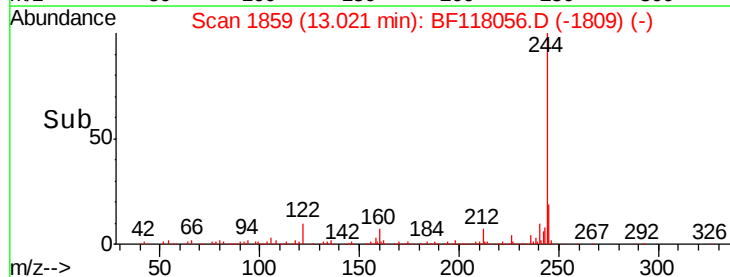
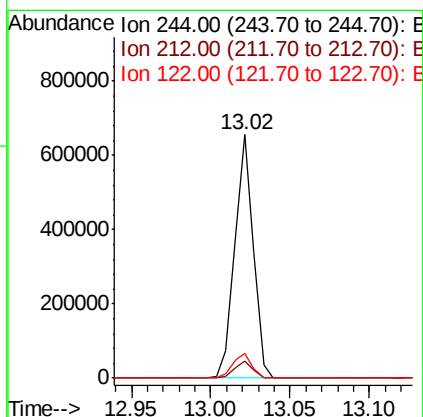
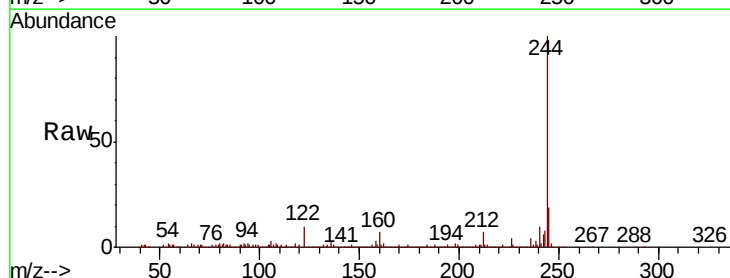
Instrument :
BNA_F
ClientSampleId :

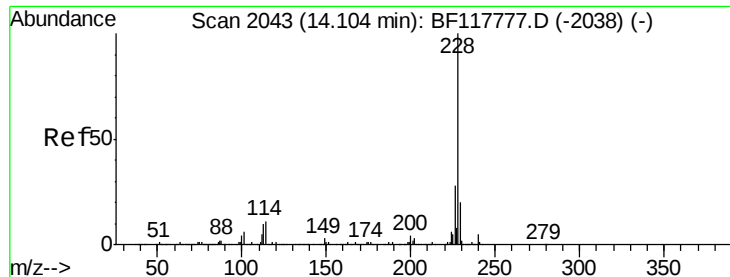
Tot Ion:202 Resp: 113540
Ion Ratio Lower Upper
202 100
200 20.9 17.8 26.8
203 17.5 14.6 22.0



#79
Terphenyl-d14
Concen: 30.941 ng
RT: 13.02 min Scan# 1859
Delta R.T. -0.01 min
Lab File: BF118056.D
Acq: 27 Nov 2019 22:19

Tgt Ion:244 Resp: 531179
Ion Ratio Lower Upper
244 100
212 6.8 6.3 9.5
122 10.4 9.4 14.2

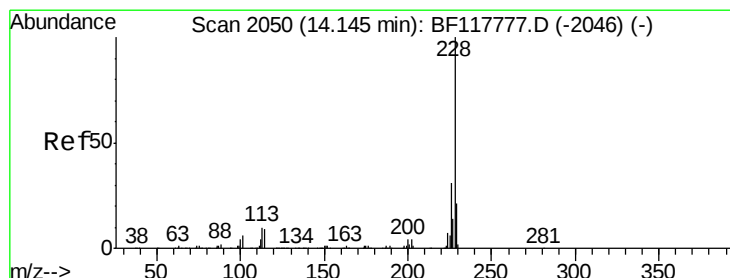
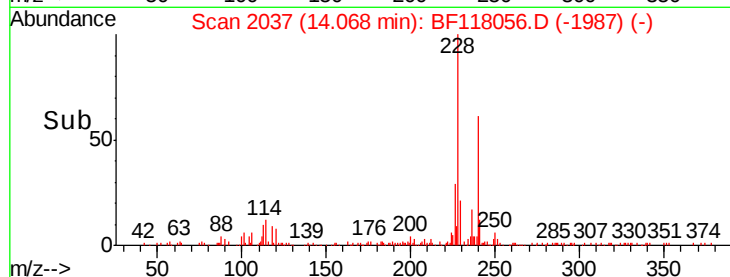
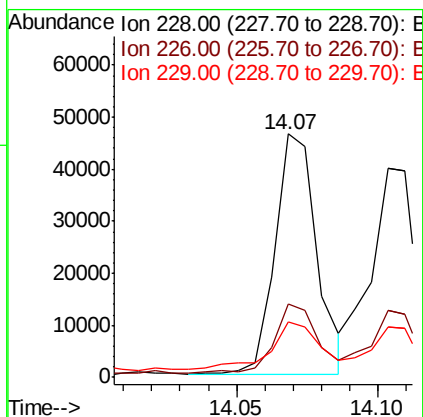
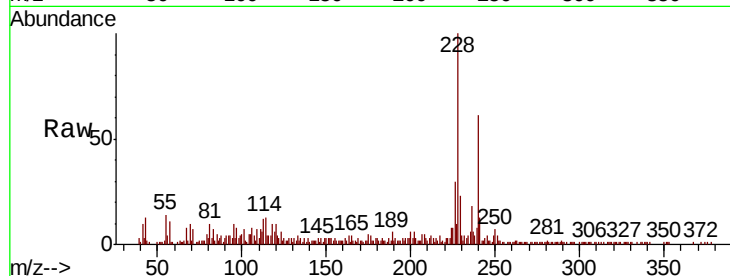




#81
Benzo(a)anthracene
Concen: 2.291 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118056.D
Acq: 27 Nov 2019 22:19

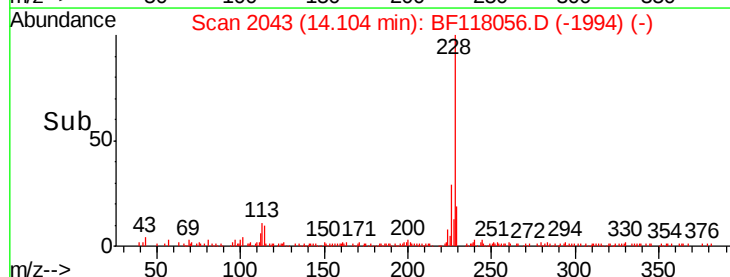
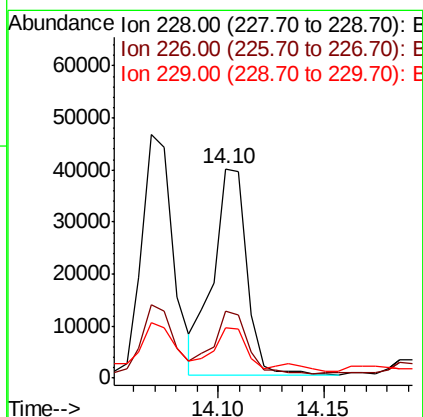
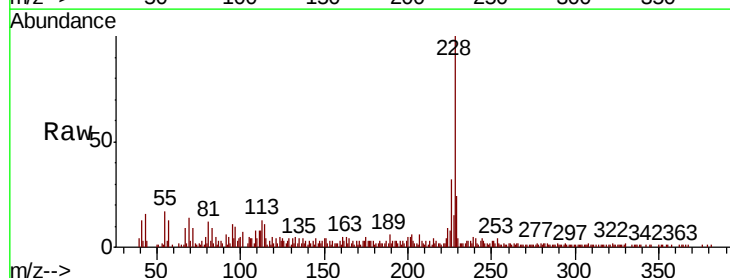
Instrument :
BNA_F
ClientSampleId :

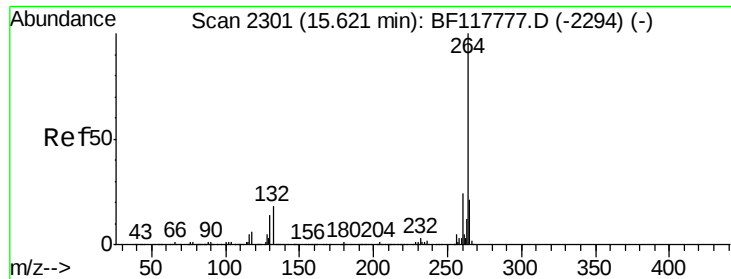
Tot Ion:228 Resp: 47508
Ion Ratio Lower Upper
228 100
226 30.0 22.2 33.2
229 23.0 15.9 23.9



#83
Chrysene
Concen: 2.203 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF118056.D
Acq: 27 Nov 2019 22:19

Tgt Ion:228 Resp: 44265
Ion Ratio Lower Upper
228 100
226 31.8 25.0 37.4
229 24.3 16.6 25.0

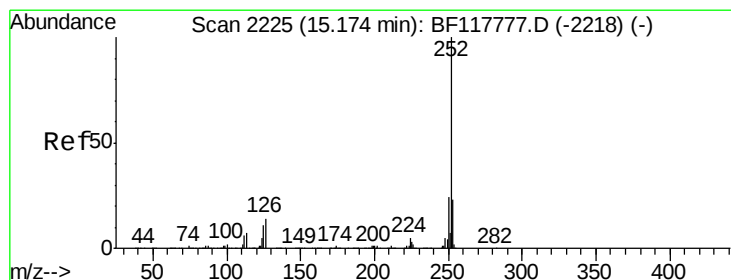
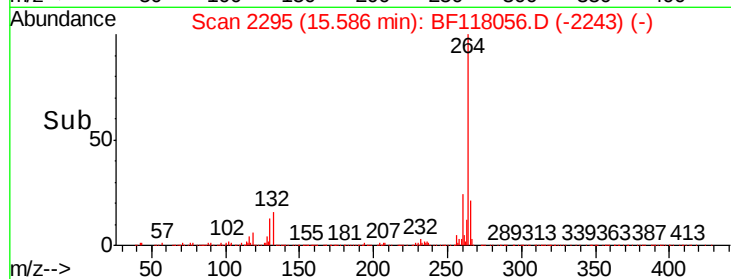
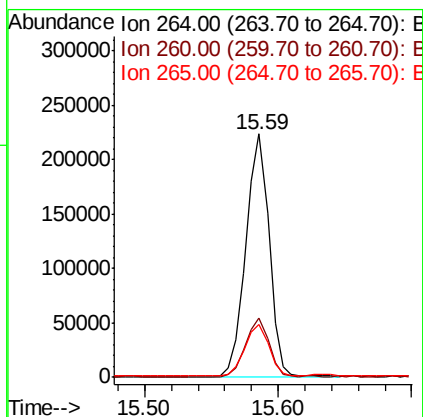
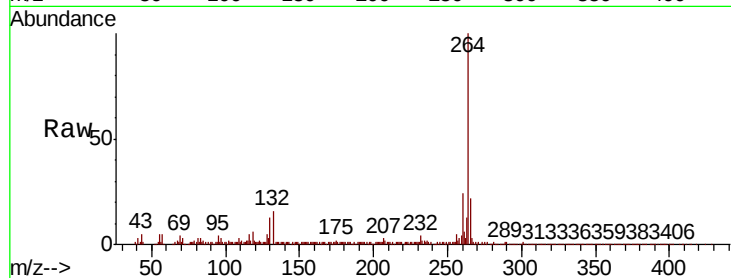




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF118056.D
Acq: 27 Nov 2019 22:19

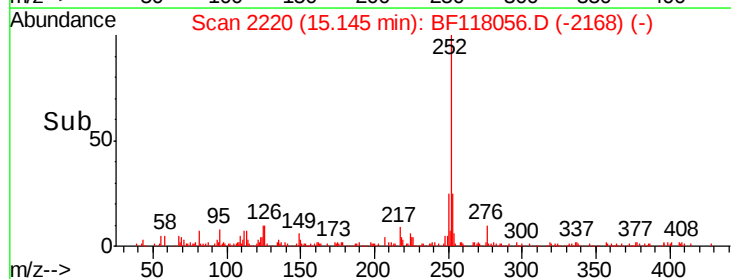
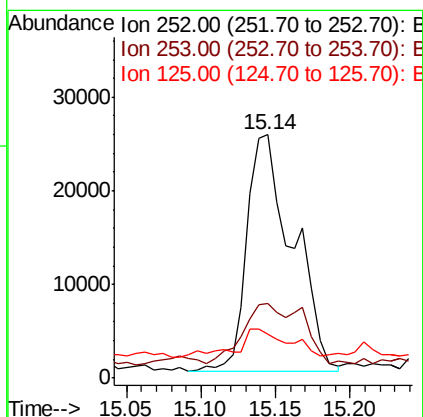
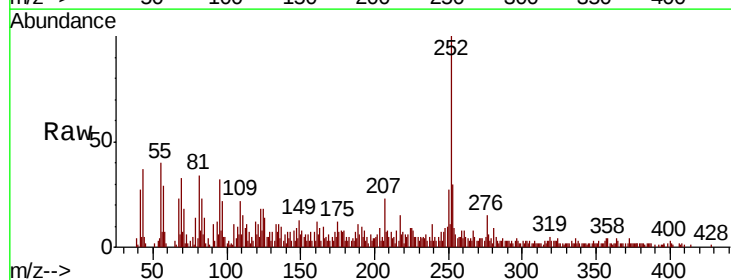
Instrument :
BNA_F
ClientSampleId :

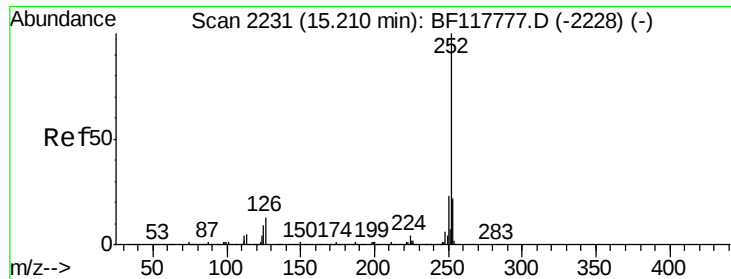
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	21.5	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 3.097 ng
RT: 15.14 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF118056.D
Acq: 27 Nov 2019 22:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.4	18.0	27.0#
125	18.1	8.6	13.0#

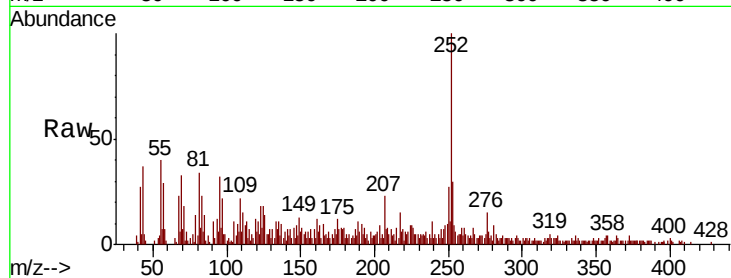




#89
Benzo(k)fluoranthene
Concen: 3.287 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.03 min
Lab File: BF118056.D
Acq: 27 Nov 2019 22:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.4	17.5	26.3#
125	18.1	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

