

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110819\
 Data File : BF117747.D
 Acq On : 8 Nov 2019 22:31
 Operator : JU
 Sample : K5730-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HILTON-STOCKPILE

Quant Time: Nov 09 01:27:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:27:10 2019
 Response via : Initial Calibration

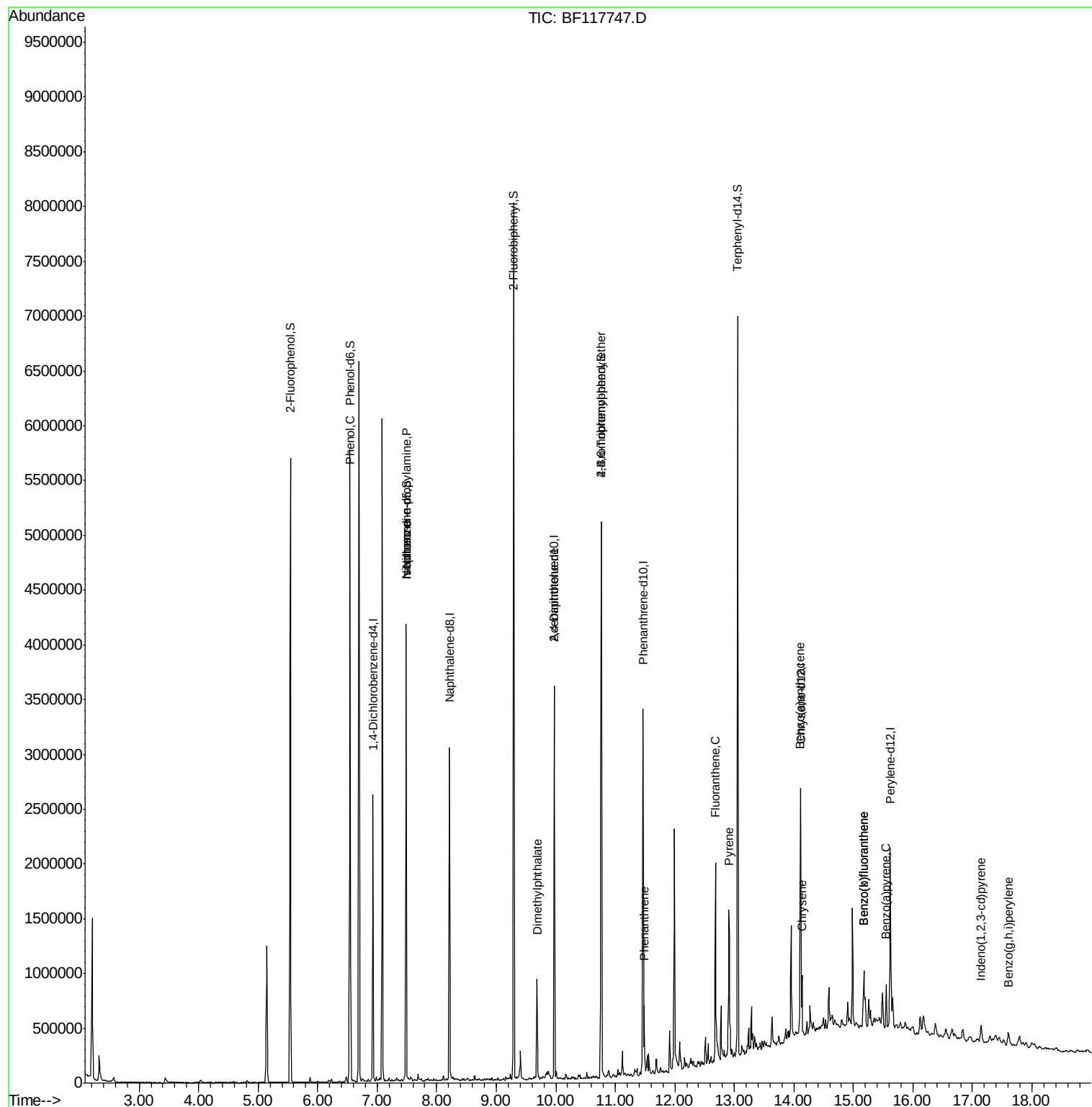
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	335727	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1294811	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	692256	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	1244870	20.00	ng	0.00
76) Chrysene-d12	14.12	240	712083	20.00	ng	-0.01
87) Perylene-d12	15.62	264	770471	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1788555	96.43	ng	0.00
7) Phenol-d6	6.55	99	2250181	98.39	ng	-0.01
23) Nitrobenzene-d5	7.49	82	1405922	64.11	ng	-0.02
42) 2,4,6-Tribromophenol	10.77	330	663774	98.02	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2460528	70.13	ng	-0.01
79) Terphenyl-d14	13.06	244	2315399	66.94	ng	-0.01
Target Compounds				Qvalue		
10) Phenol	6.56	94	118549	4.811	ng	97
19) n-Nitroso-di-n-propylamine	7.49	70	193513	12.869	ng	# 77
25) Isophorone	7.49	82	1399361	33.360	ng	# 62
50) Dimethylphthalate	9.69	163	356244	7.612	ng	98
57) 2,4-Dinitrotoluene	9.97	165	91510	6.807	ng	# 28
67) 4-Bromophenyl-phenylether	10.77	248	41912	3.083	ng	# 1
71) Phenanthrene	11.49	178	218914	3.669	ng	95
75) Fluoranthene	12.68	202	616027	10.111	ng	95
78) Pyrene	12.91	202	537793	10.346	ng	96
81) Benzo(a)anthracene	14.10	228	192403	4.341	ng	98
83) Chrysene	14.14	228	227213	5.191	ng	98
86) Indeno(1,2,3-cd)pyrene	17.14	276	112070	2.751	ng	93
88) Benzo(b)fluoranthene	15.17	252	382355	7.879	ng	# 96
89) Benzo(k)fluoranthene	15.17	252	382355	8.835	ng	95
90) Benzo(a)pyrene	15.55	252	192604	4.579	ng	# 98
92) Benzo(g,h,i)perylene	17.61	276	100041	2.736	ng	98

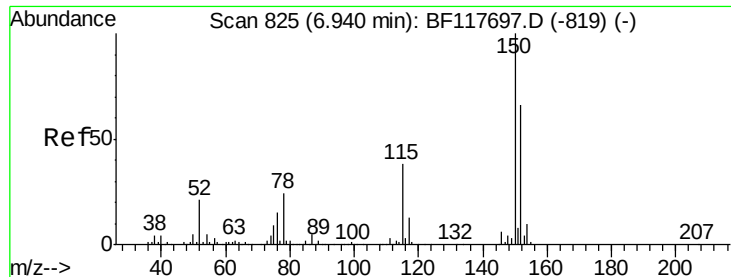
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110819\
Data File : BF117747.D
Acq On : 8 Nov 2019 22:31
Operator : JU
Sample : K5730-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HILTON-STOCKPILE

Quant Time: Nov 09 01:27:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 17:27:10 2019
Response via : Initial Calibration



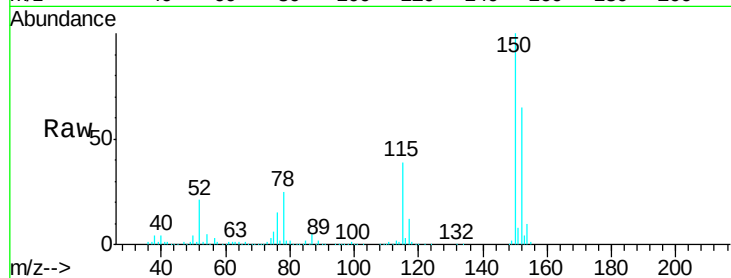


#1

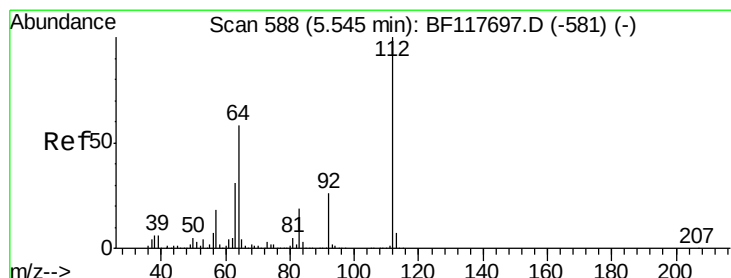
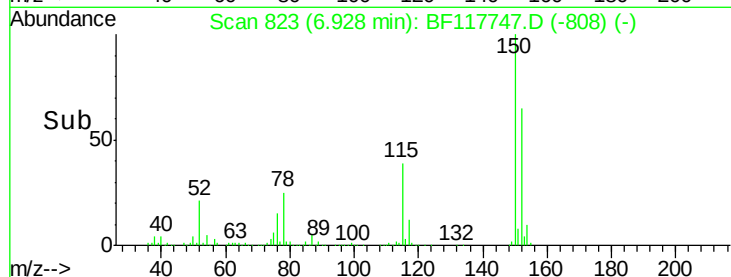
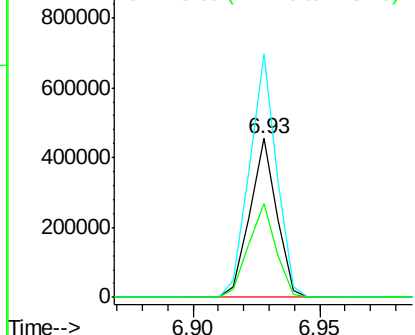
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117747.D
Acq: 8 Nov 2019 22:31

Instrument :
BNA_F
ClientSampleId :
HILTON-STOCKPILE

Tgt Ion:152 Resp: 335727
Ion Ratio Lower Upper
152 100
150 153.6 121.4 182.2
115 59.4 46.7 70.1



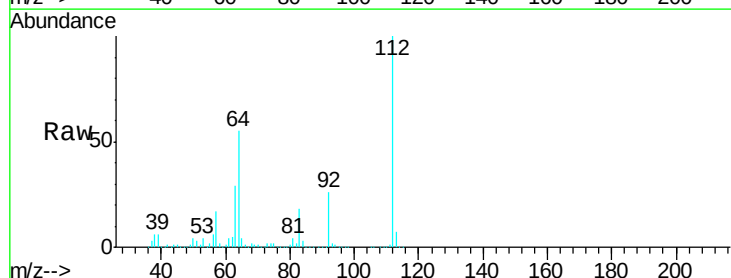
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



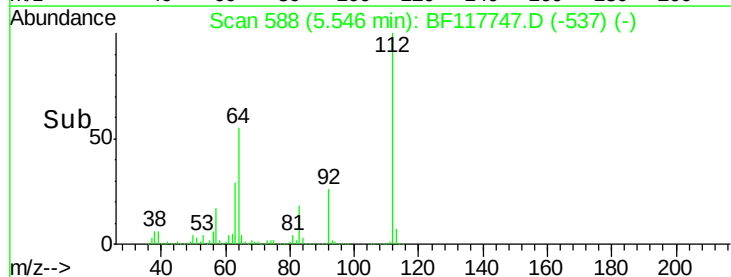
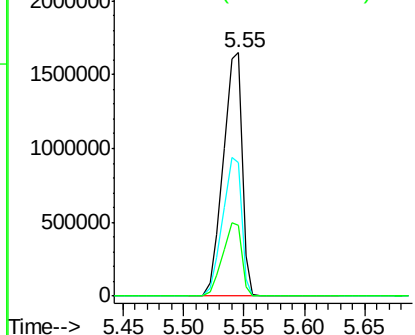
#5

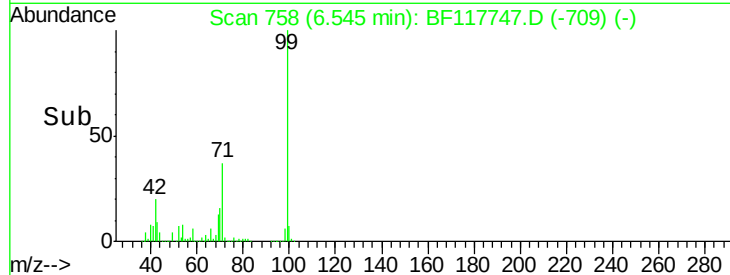
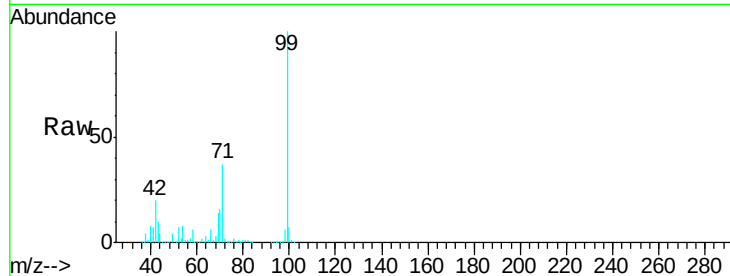
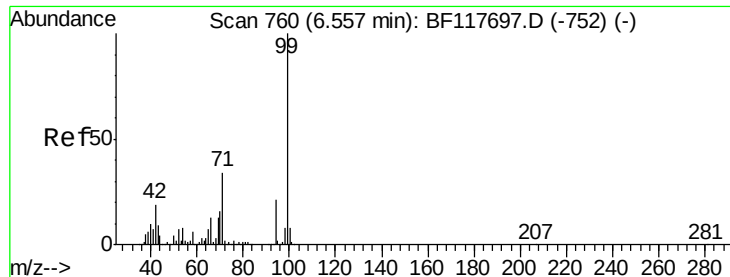
2-Fluorophenol
Concen: 96.434 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.00 min
Lab File: BF117747.D
Acq: 8 Nov 2019 22:31

Tgt Ion:112 Resp: 1788555
Ion Ratio Lower Upper
112 100
64 54.8 46.4 69.6
63 29.1 24.6 37.0



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: 98.395 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117747.D

Acq: 8 Nov 2019 22:31

Instrument :

BNA_F

ClientSampleId :

HILTON-STOCKPILE

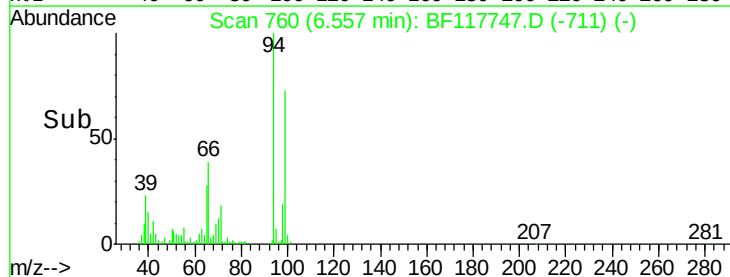
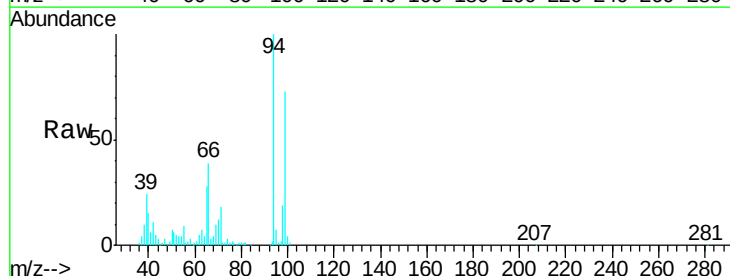
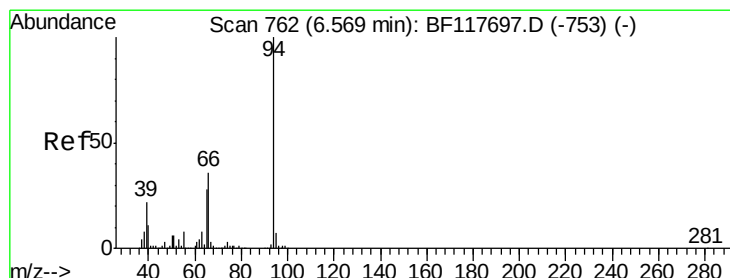
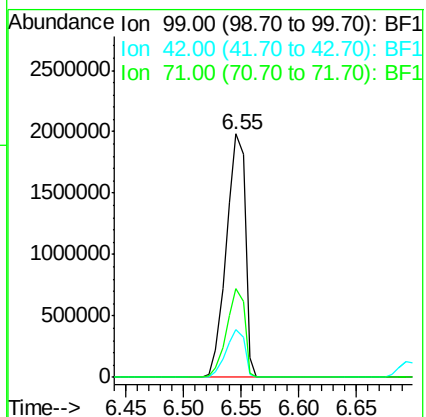
Tgt Ion: 99 Resp: 2250181

Ion Ratio Lower Upper

99 100

42 19.7 15.3 22.9

71 36.7 26.8 40.2



#10

Phenol

Concen: 4.811 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117747.D

Acq: 8 Nov 2019 22:31

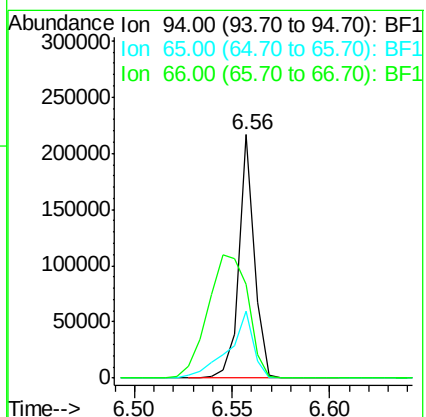
Tgt Ion: 94 Resp: 118549

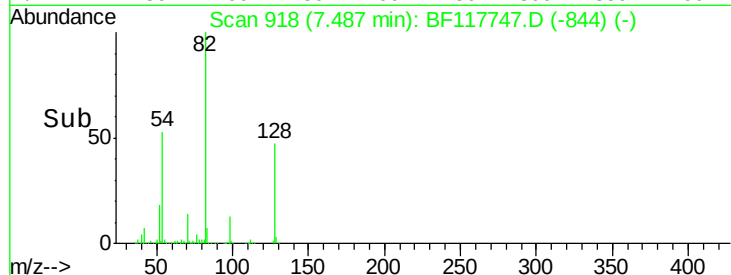
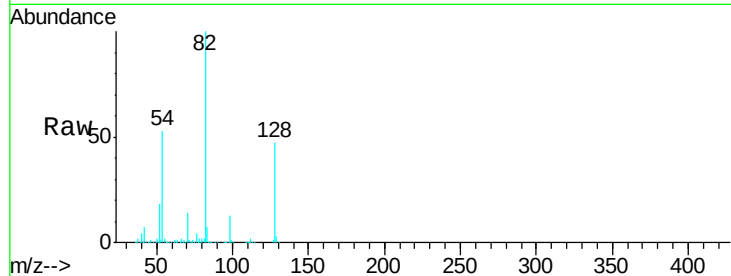
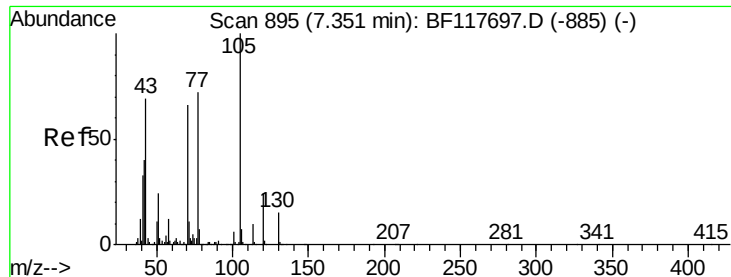
Ion Ratio Lower Upper

94 100

65 27.7 7.6 47.6

66 38.7 16.1 56.1

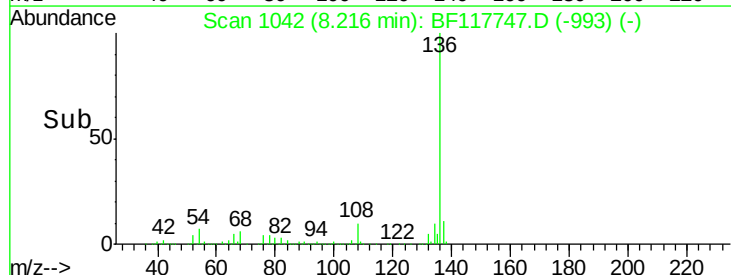
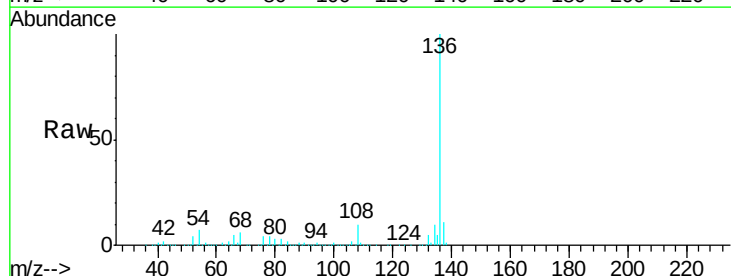
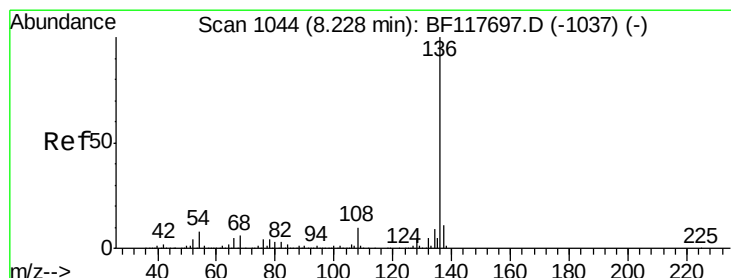
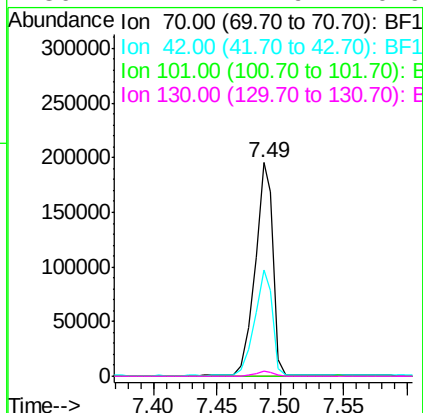




#19
n-Nitroso-di-n-propylamine
Concen: 12.869 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.14 min
Lab File: BF117747.D
Acq: 8 Nov 2019 22:31

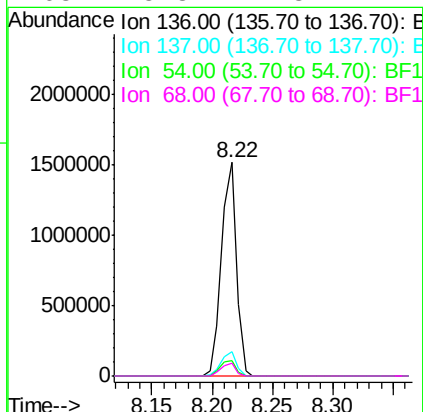
Instrument :
BNA_F
ClientSampleId :
HILTON-STOCKPILE

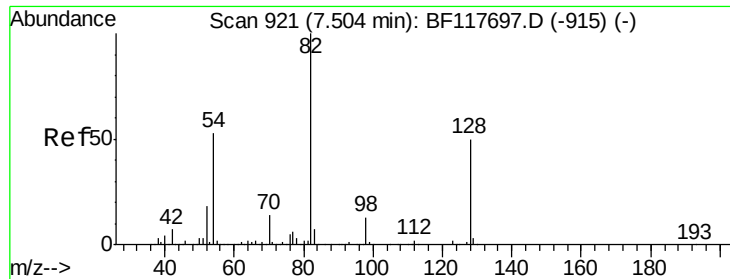
Tgt Ion: 70 Resp: 193513
Ion Ratio Lower Upper
70 100
42 49.8 49.1 73.7
101 0.0 7.8 11.8#
130 2.7 17.9 26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF117747.D
Acq: 8 Nov 2019 22:31

Tgt Ion: 136 Resp: 1294811
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 7.5 6.0 9.0
68 5.8 4.8 7.2

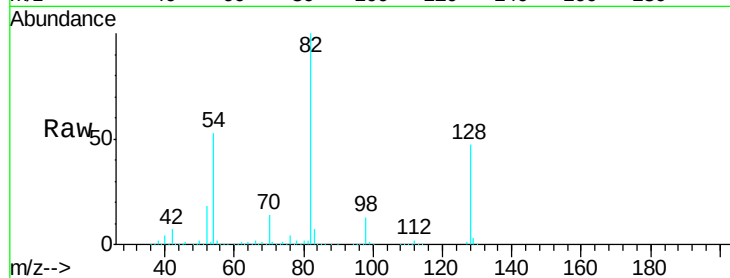




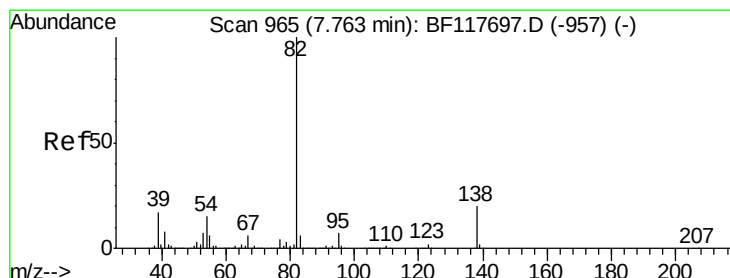
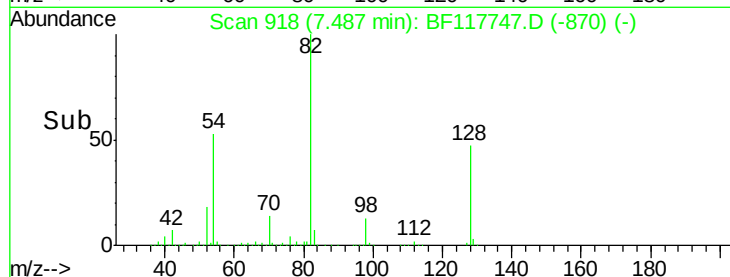
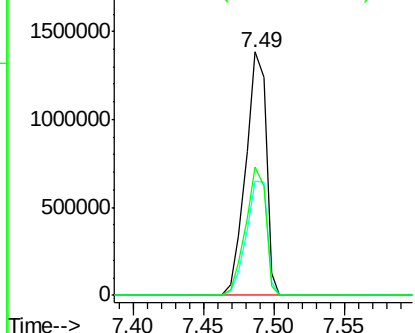
#23
 Nitrobenzene-d5
 Concen: 64.105 ng
 RT: 7.49 min Scan# 918
 Delta R.T. -0.02 min
 Lab File: BF117747.D
 Acq: 8 Nov 2019 22:31

Instrument :
 BNA_F
 ClientSampleId :
 HILTON-STOCKPILE

Tgt Ion: 82 Resp: 1405922
 Ion Ratio Lower Upper
 82 100
 128 47.1 40.2 60.2
 54 52.7 42.0 63.0

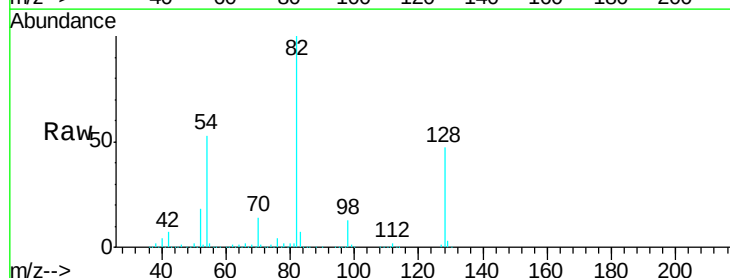


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

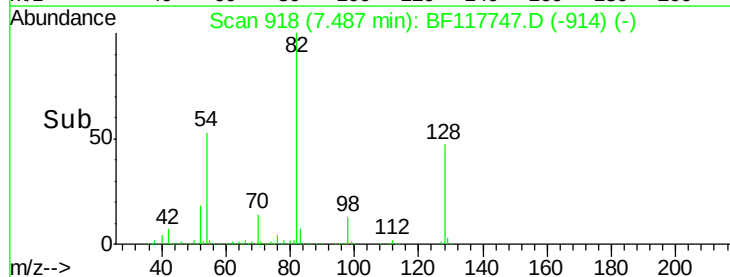
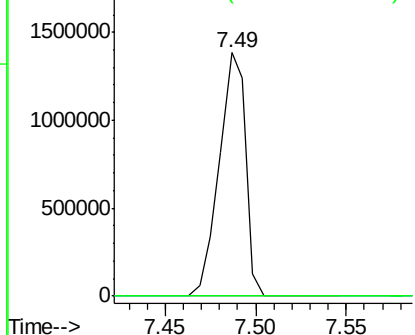


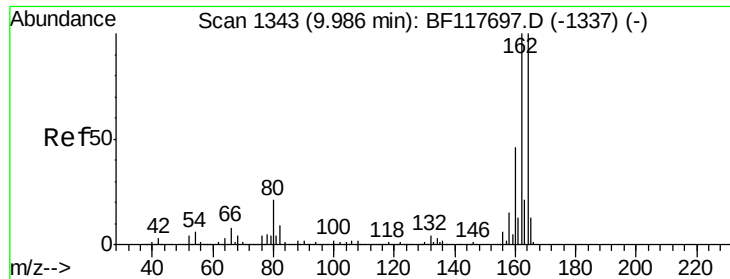
#25
 Isophorone
 Concen: 33.360 ng
 RT: 7.49 min Scan# 918
 Delta R.T. -0.28 min
 Lab File: BF117747.D
 Acq: 8 Nov 2019 22:31

Tgt Ion: 82 Resp: 1399361
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.8 8.6#
 138 0.0 16.2 24.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

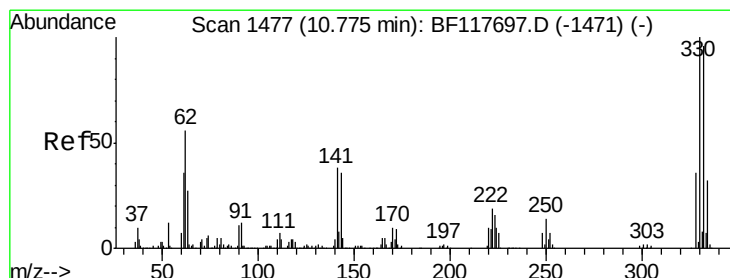
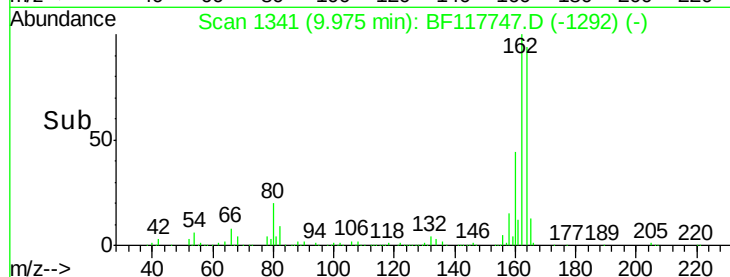
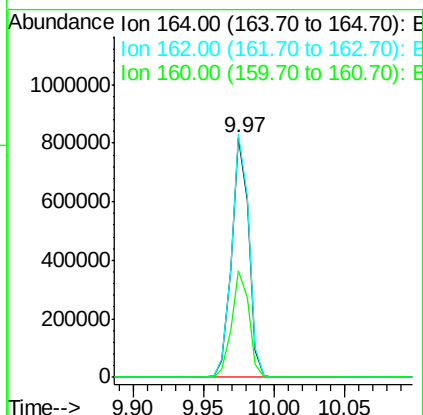
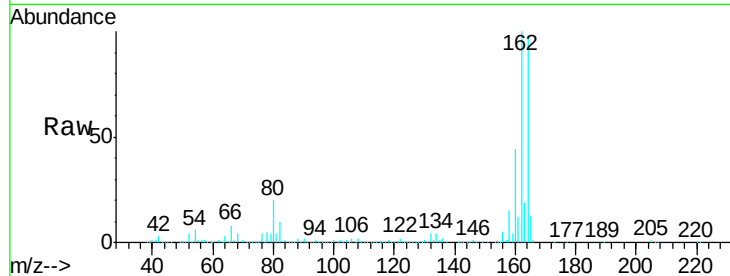




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.01 min
 Lab File: BF117747.D
 Acq: 8 Nov 2019 22:31

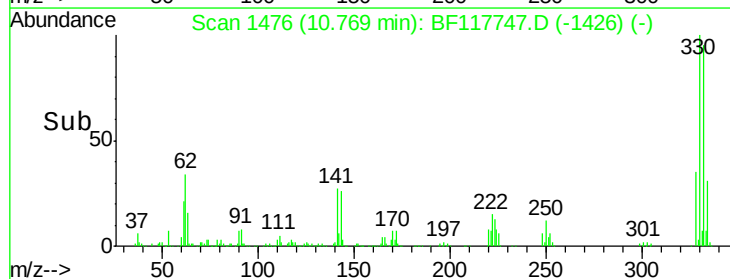
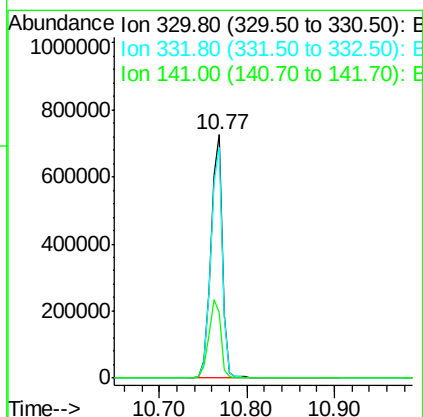
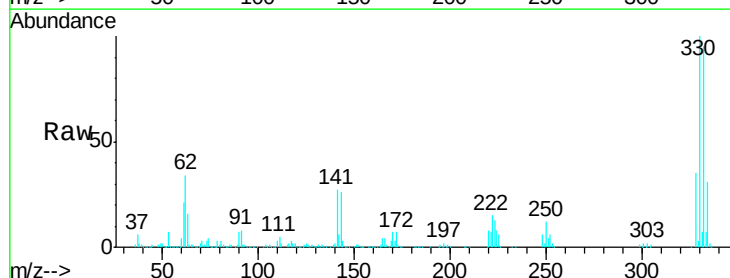
Instrument :
 BNA_F
 ClientSampleId :
 HILTON-STOCKPILE

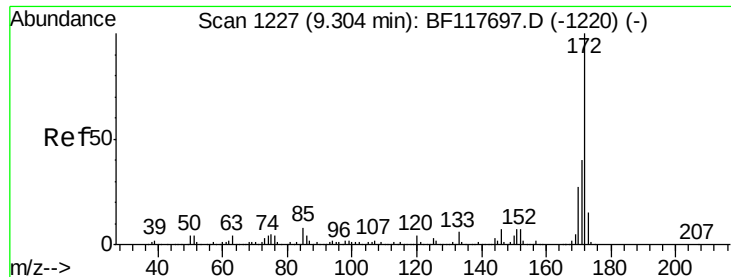
Tgt Ion:164 Resp: 692256
 Ion Ratio Lower Upper
 164 100
 162 101.6 79.7 119.5
 160 44.5 36.5 54.7



#42
 2,4,6-Tribromophenol
 Concen: 98.020 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF117747.D
 Acq: 8 Nov 2019 22:31

Tgt Ion:330 Resp: 663774
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.4 116.0
 141 33.9 28.0 42.0

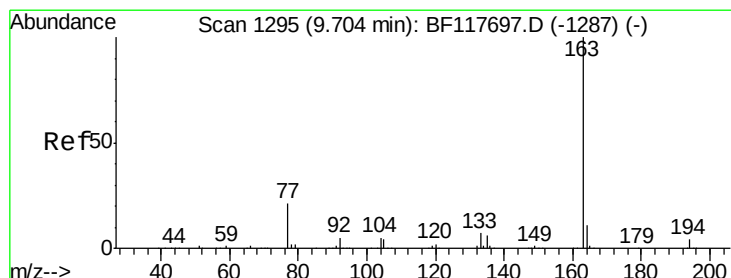
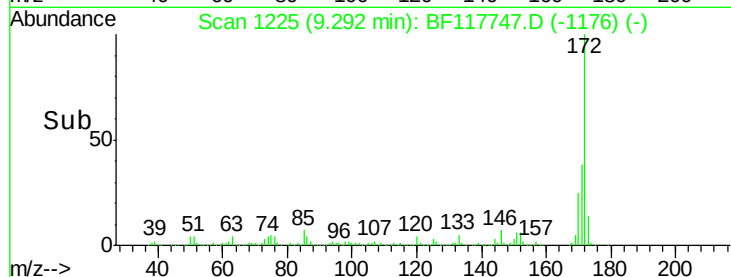
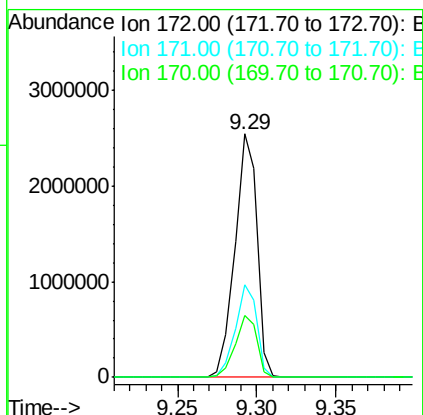
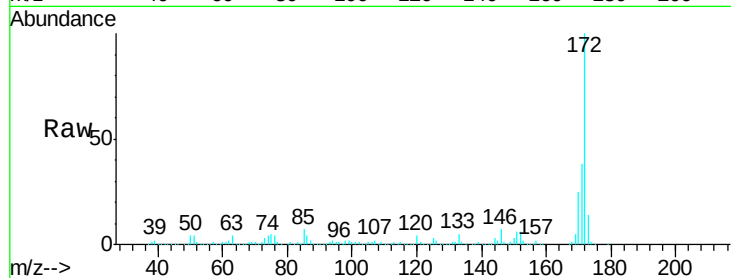




#45
 2-Fluorobiphenyl
 Concen: 70.128 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF117747.D
 Acq: 8 Nov 2019 22:31

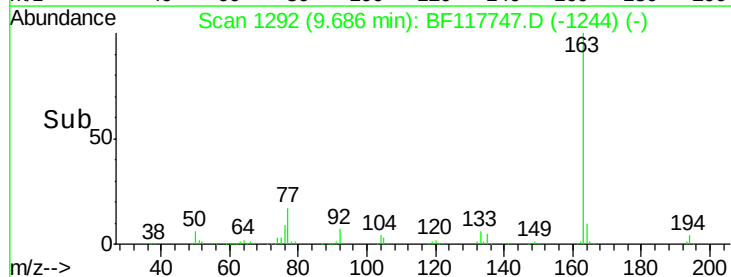
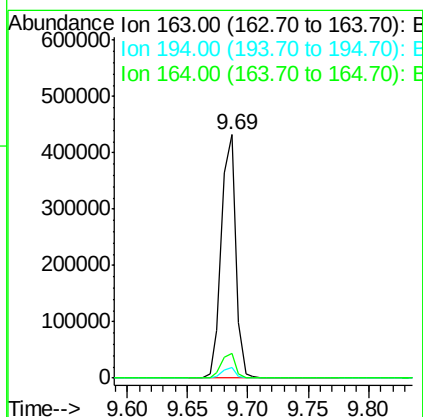
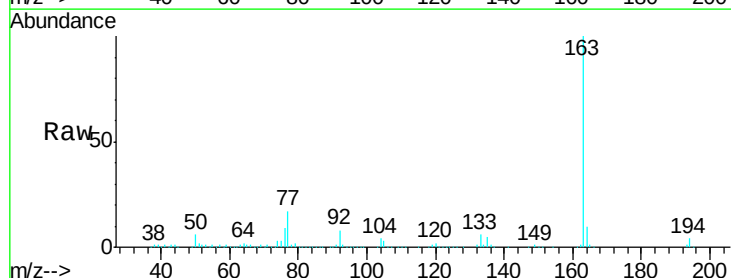
Instrument :
 BNA_F
 ClientSampleId :
 HILTON-STOCKPILE

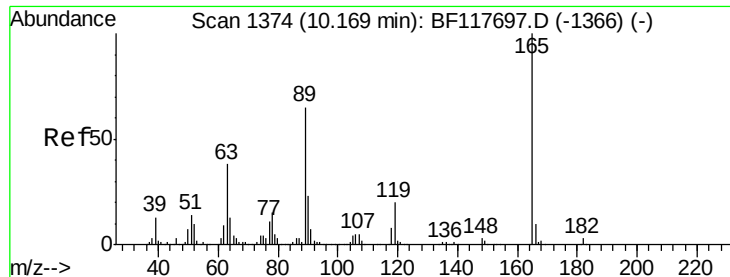
Tgt Ion:172 Resp: 2460528
 Ion Ratio Lower Upper
 172 100
 171 38.1 31.8 47.8
 170 25.3 21.6 32.4



#50
 Dimethylphthalate
 Concen: 7.612 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF117747.D
 Acq: 8 Nov 2019 22:31

Tgt Ion:163 Resp: 356244
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.4 5.0
 164 9.9 8.9 13.3

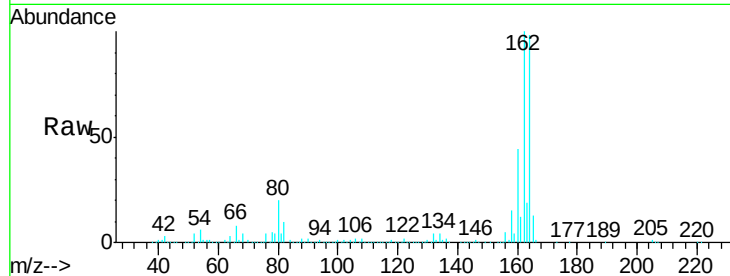




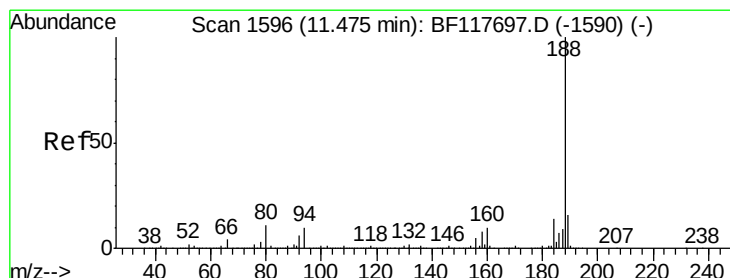
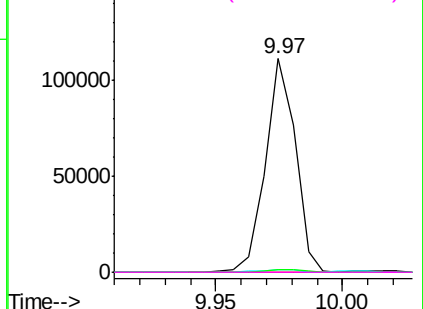
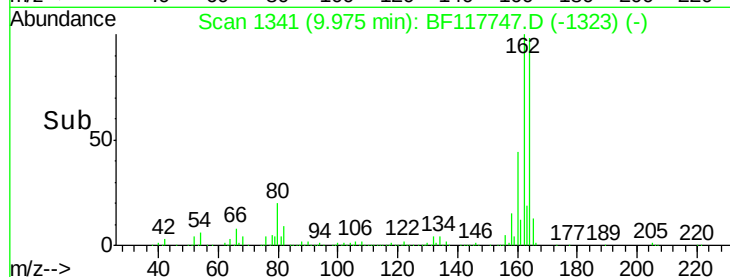
#57
 2,4-Dinitrotoluene
 Concen: 6.807 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.19 min
 Lab File: BF117747.D
 Acq: 8 Nov 2019 22:31

Instrument :
 BNA_F
 ClientSampleId :
 HILTON-STOCKPILE

Tgt Ion:	165	Resp:	91510
Ion	Ratio	Lower	Upper
165	100		
63	1.1	30.4	45.6#
89	1.4	52.2	78.4#
182	0.0	2.3	3.5#

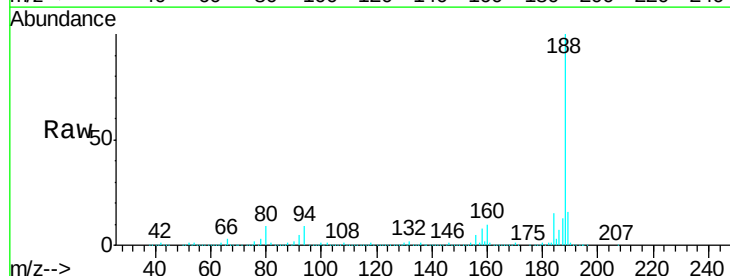


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

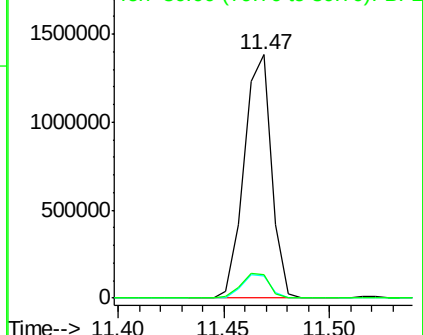
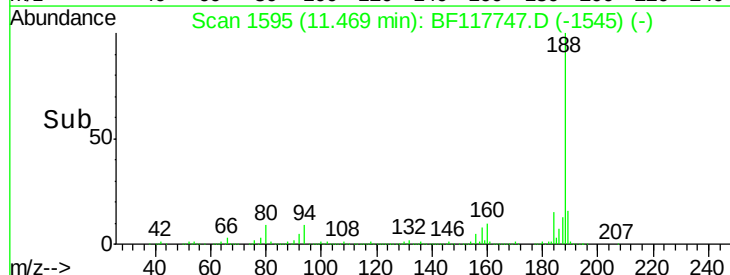


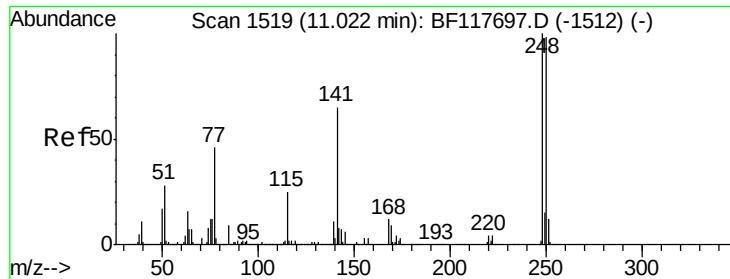
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF117747.D
 Acq: 8 Nov 2019 22:31

Tgt Ion:	188	Resp:	1244870
Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.2	12.4
80	9.5	8.6	13.0



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

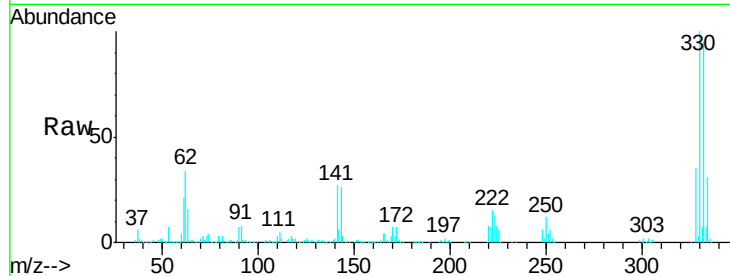




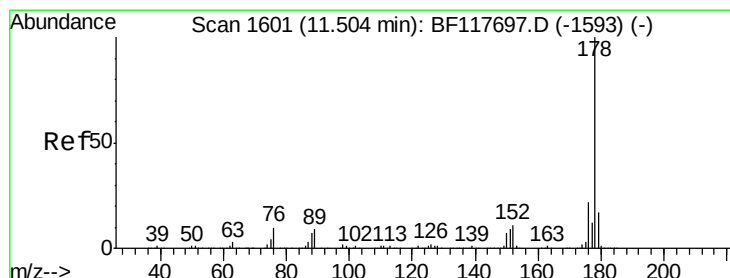
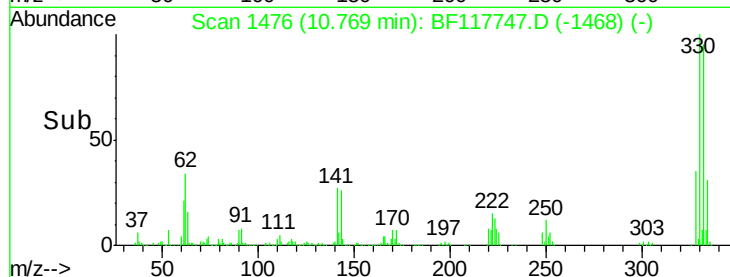
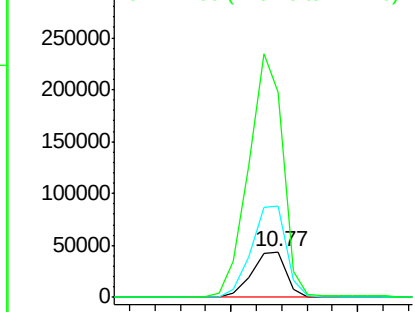
#67
 4-Bromophenyl-phenylether
 Concen: 3.083 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.25 min
 Lab File: BF117747.D
 Acq: 8 Nov 2019 22:31

Instrument :
 BNA_F
 ClientSampleId :
 HILTON-STOCKPILE

Tgt Ion:248 Resp: 41912
 Ion Ratio Lower Upper
 248 100
 250 200.3 78.7 118.1#
 141 450.7 51.8 77.8#

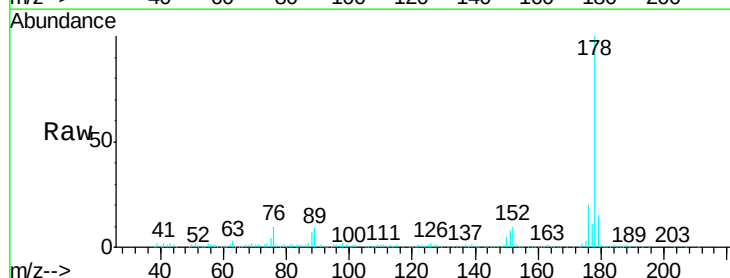


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

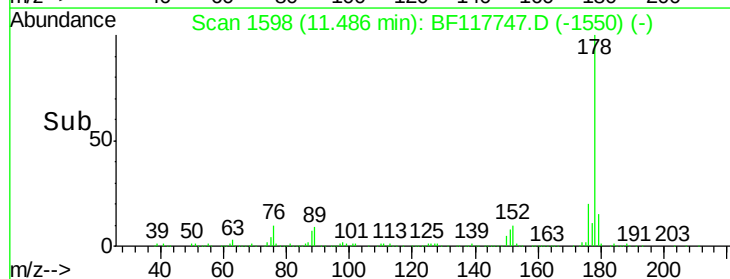
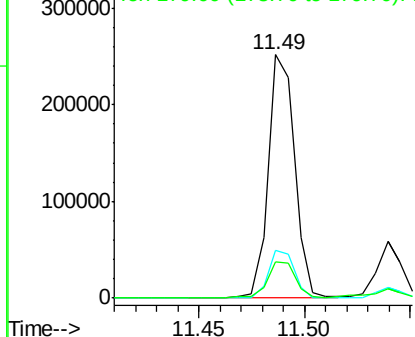


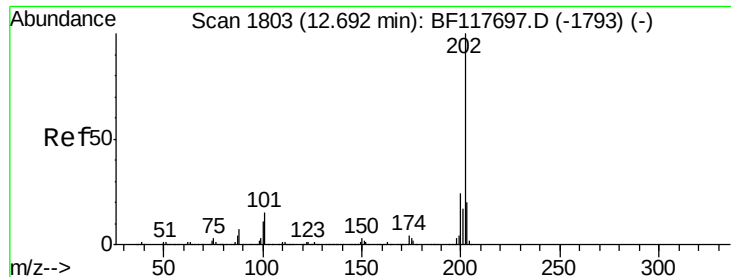
#71
 Phenanthrene
 Concen: 3.669 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.02 min
 Lab File: BF117747.D
 Acq: 8 Nov 2019 22:31

Tgt Ion:178 Resp: 218914
 Ion Ratio Lower Upper
 178 100
 176 19.9 17.7 26.5
 179 14.9 13.8 20.8



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





#75

Fluoranthene

Concen: 10.111 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF117747.D

Acq: 8 Nov 2019 22:31

Instrument :

BNA_F

ClientSampleId :

HILTON-STOCKPILE

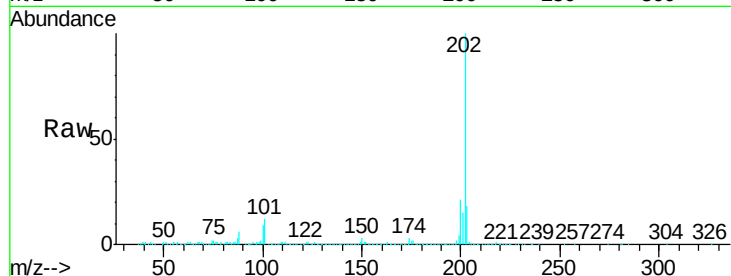
Tgt Ion:202 Resp: 616027

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.5

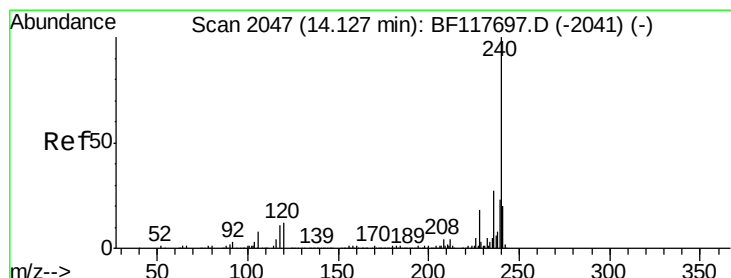
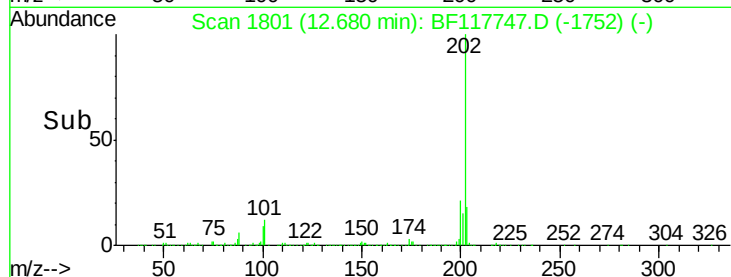
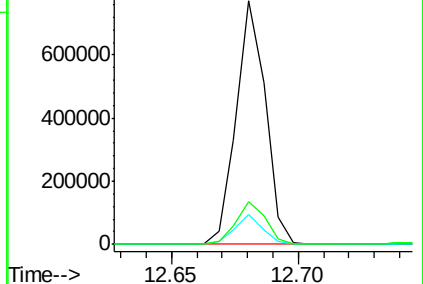
203 17.7 0.0 39.8



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: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF117747.D

Acq: 8 Nov 2019 22:31

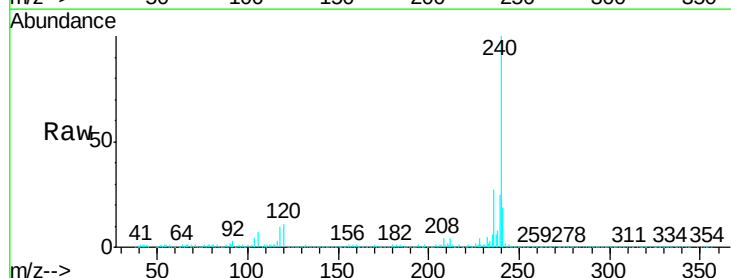
Tgt Ion:240 Resp: 712083

Ion Ratio Lower Upper

240 100

120 10.8 9.7 14.5

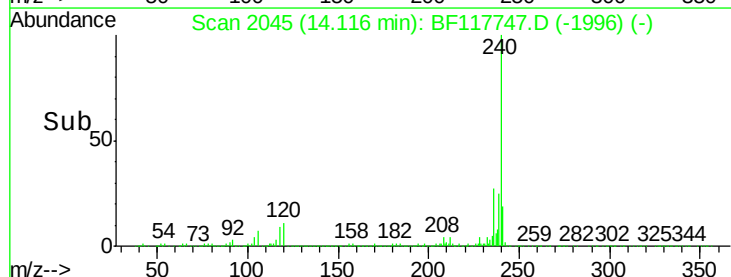
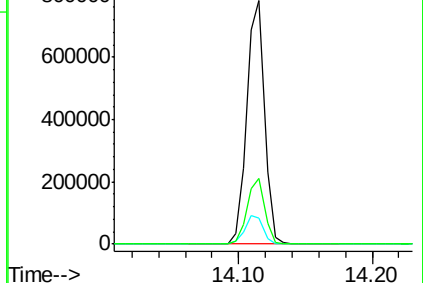
236 27.2 21.9 32.9

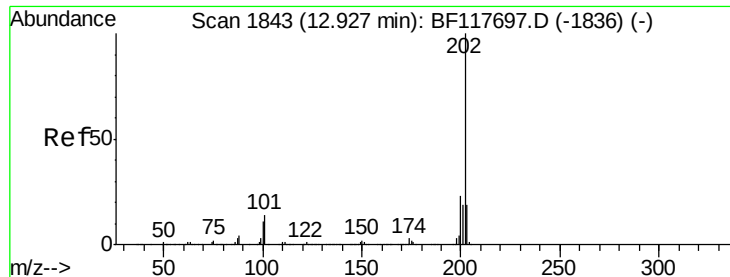


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

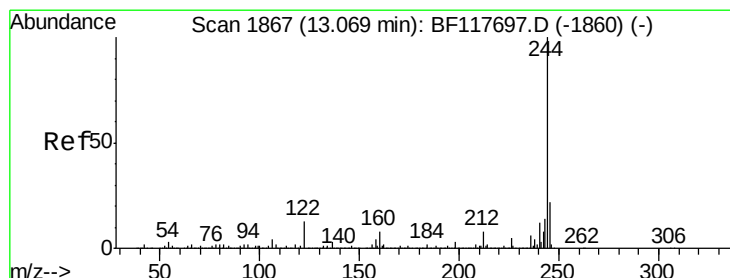
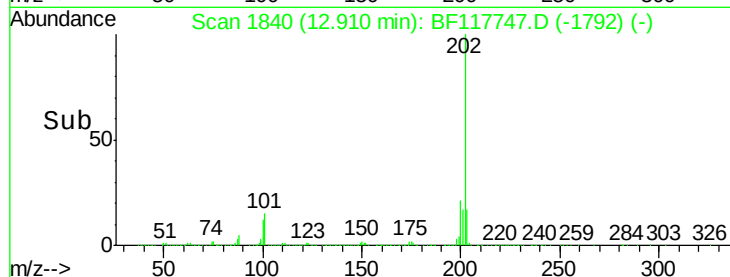
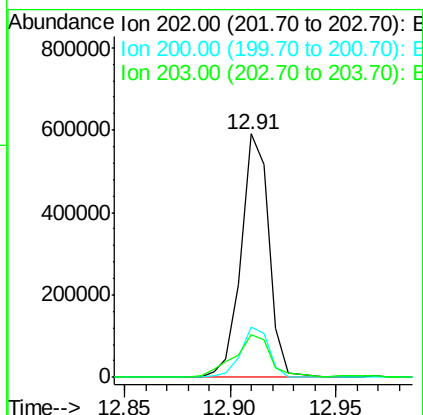
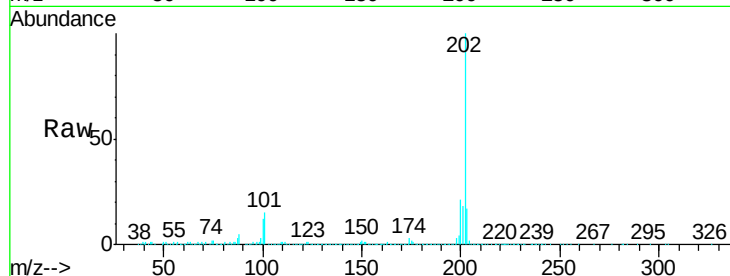




#78
 Pyrene
 Concen: 10.346 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.02 min
 Lab File: BF117747.D
 Acq: 8 Nov 2019 22:31

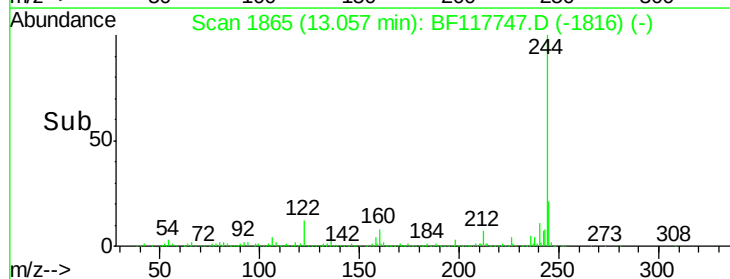
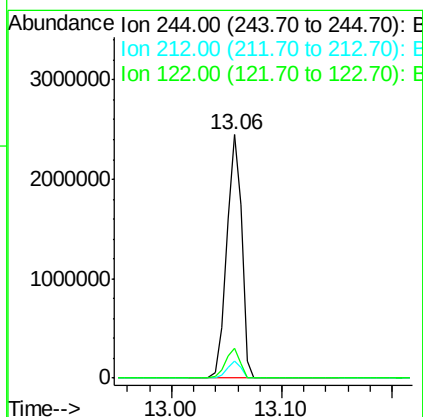
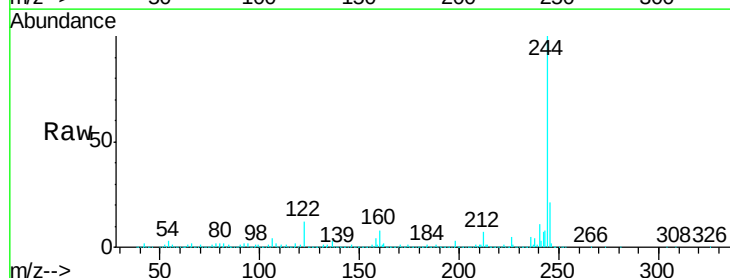
Instrument :
 BNA_F
 ClientSampleId :
 HILTON-STOCKPILE

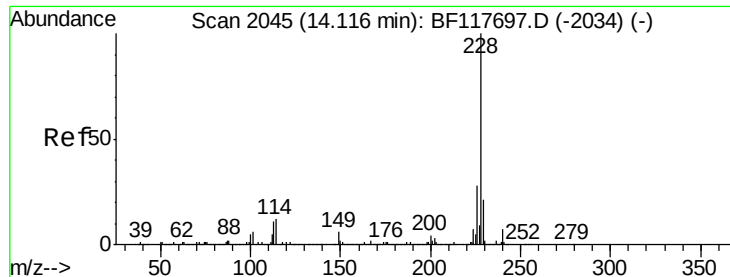
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.8	28.2
203	17.5	15.2	22.8



#79
 Terphenyl-d14
 Concen: 66.937 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF117747.D
 Acq: 8 Nov 2019 22:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.4	9.6
122	12.1	10.0	15.0

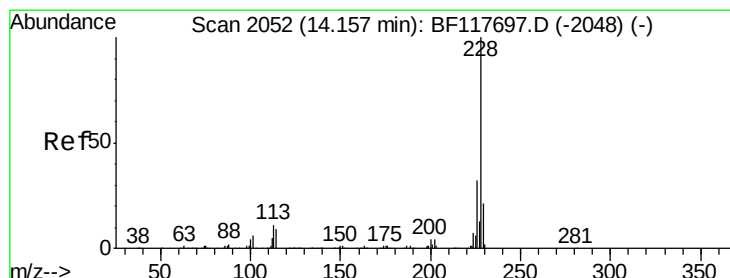
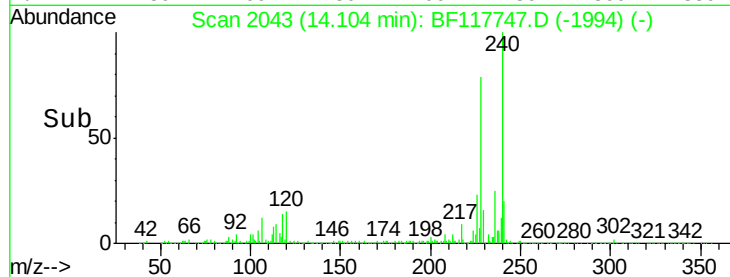
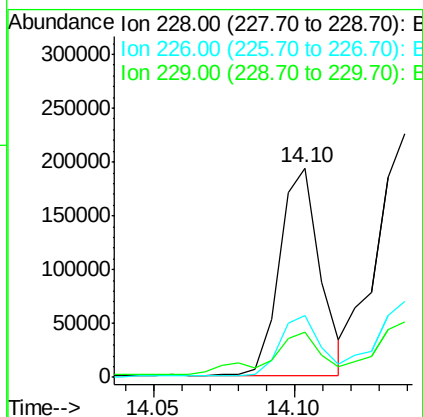
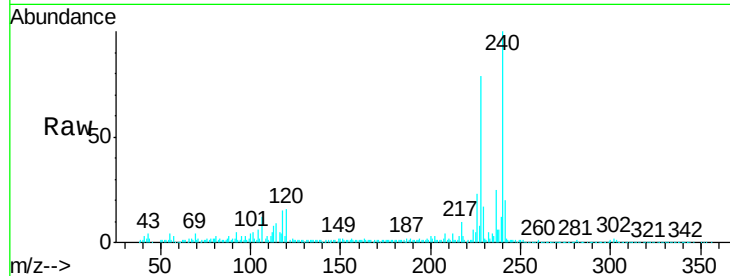




#81
Benzo(a)anthracene
Concen: 4.341 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117747.D
Acq: 8 Nov 2019 22:31

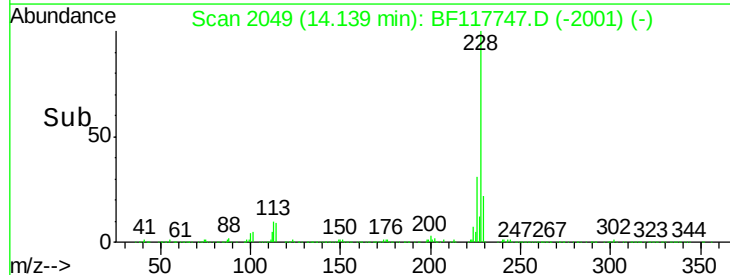
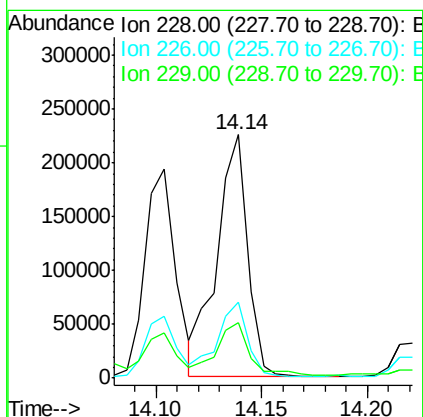
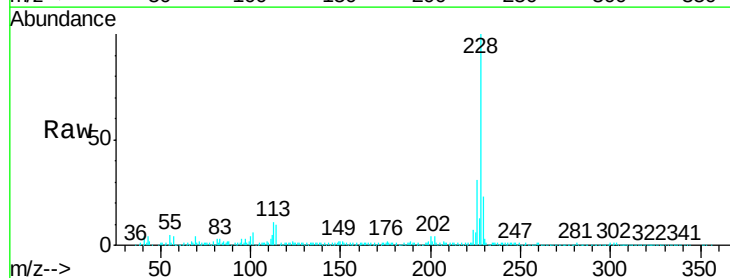
Instrument :
BNA_F
ClientSampleId :
HILTON-STOCKPILE

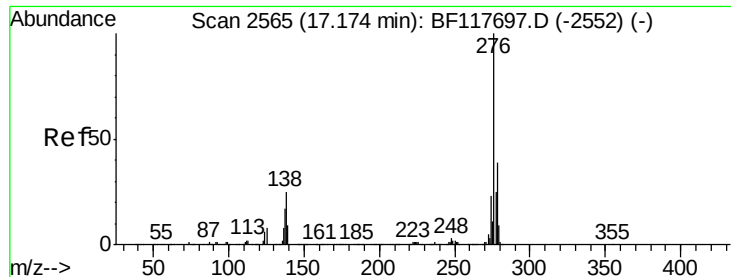
Tgt Ion:228 Resp: 192403
Ion Ratio Lower Upper
228 100
226 29.4 22.8 34.2
229 21.8 16.9 25.3



#83
Chrysene
Concen: 5.191 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.02 min
Lab File: BF117747.D
Acq: 8 Nov 2019 22:31

Tgt Ion:228 Resp: 227213
Ion Ratio Lower Upper
228 100
226 31.2 25.4 38.2
229 22.7 16.6 24.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.751 ng

RT: 17.14 min Scan# 2560

Delta R.T. -0.03 min

Lab File: BF117747.D

Acq: 8 Nov 2019 22:31

Instrument :

BNA_F

ClientSampleId :

HILTON-STOCKPILE

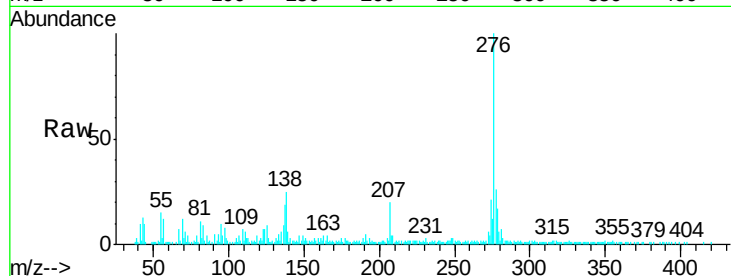
Tgt Ion:276 Resp: 112070

Ion Ratio Lower Upper

276 100

138 23.0 22.4 33.6

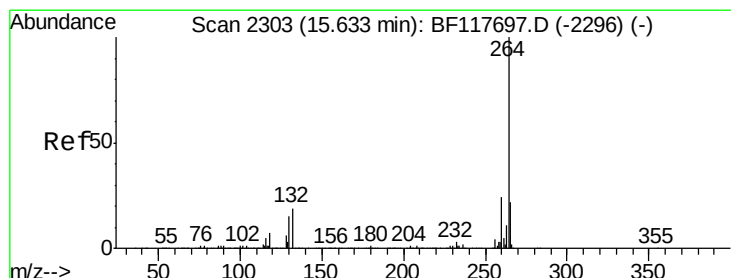
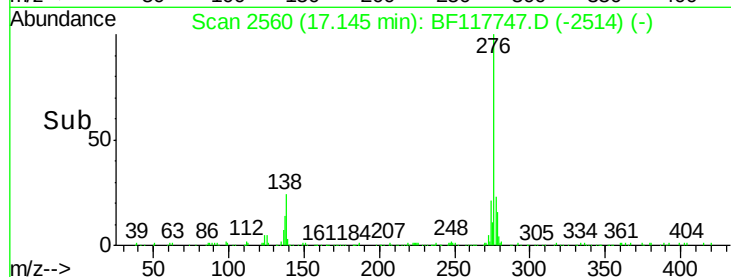
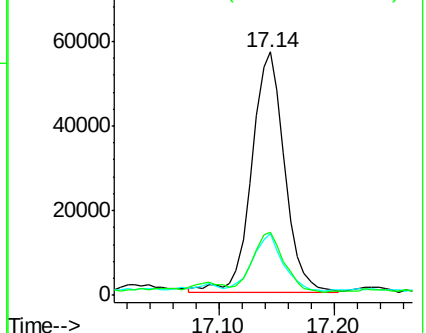
277 23.6 20.6 30.8



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: 15.62 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BF117747.D

Acq: 8 Nov 2019 22:31

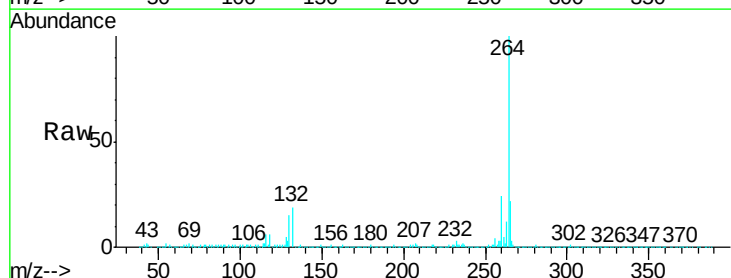
Tgt Ion:264 Resp: 770471

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

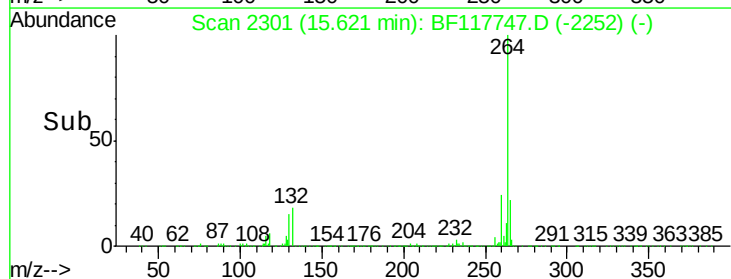
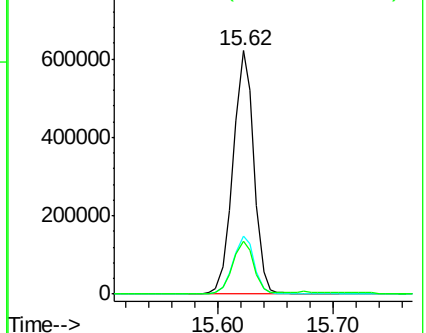
265 21.8 17.7 26.5

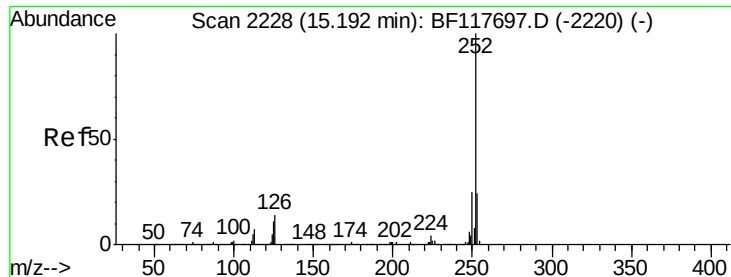


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 7.879 ng

RT: 15.17 min Scan# 2225

Delta R.T. -0.02 min

Lab File: BF117747.D

Acq: 8 Nov 2019 22:31

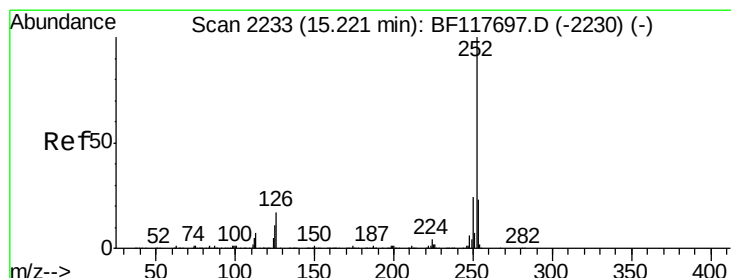
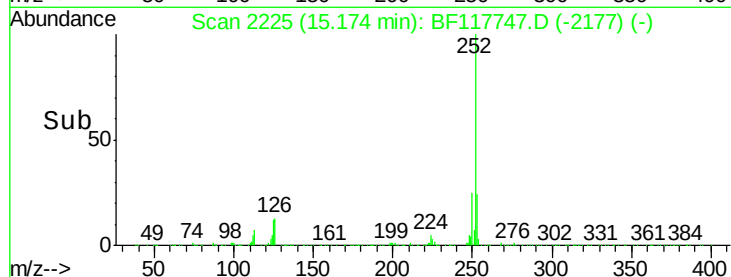
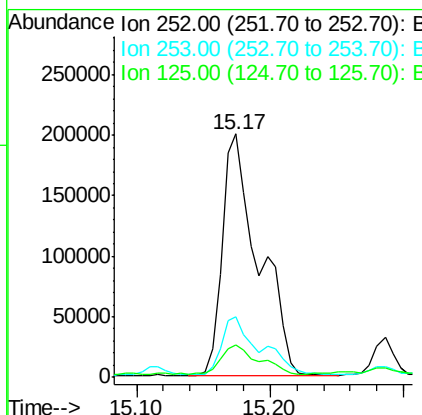
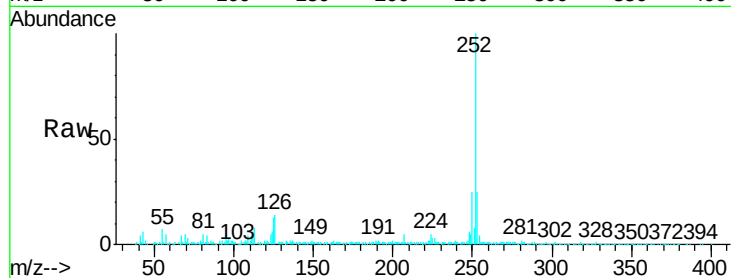
Instrument :

BNA_F

ClientSampleId :

HILTON-STOCKPILE

Tgt Ion:	252	Resp:	382355
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.9	28.3
125	13.3	8.5	12.7#



#89

Benzo(k)fluoranthene

Concen: 8.835 ng

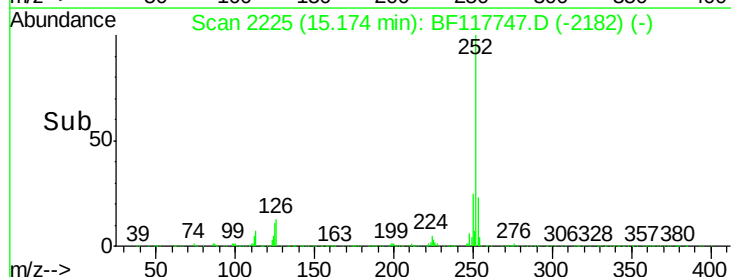
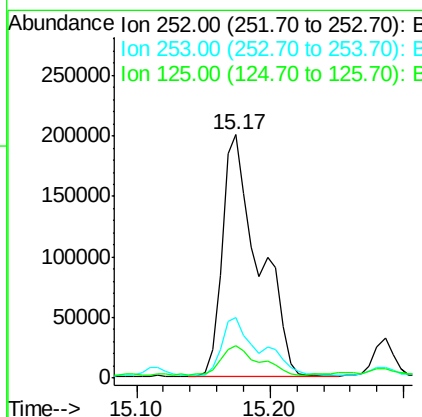
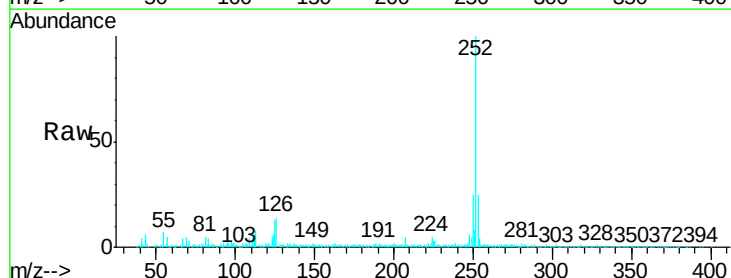
RT: 15.17 min Scan# 2225

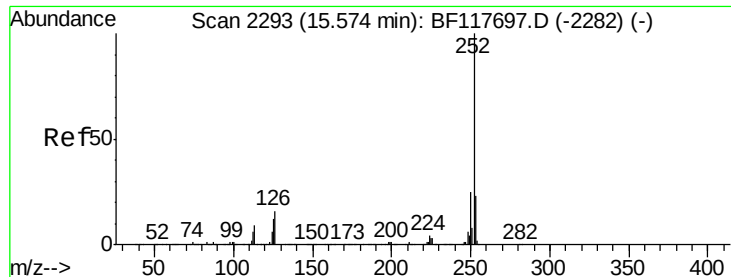
Delta R.T. -0.05 min

Lab File: BF117747.D

Acq: 8 Nov 2019 22:31

Tgt Ion:	252	Resp:	382355
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.9	26.9
125	13.3	9.1	13.7





#90

Benzo(a)pyrene

Concen: 4.579 ng

RT: 15.55 min Scan# 2289

Delta R.T. -0.02 min

Lab File: BF117747.D

Acq: 8 Nov 2019 22:31

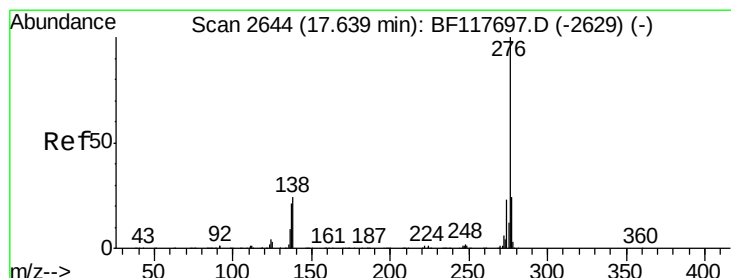
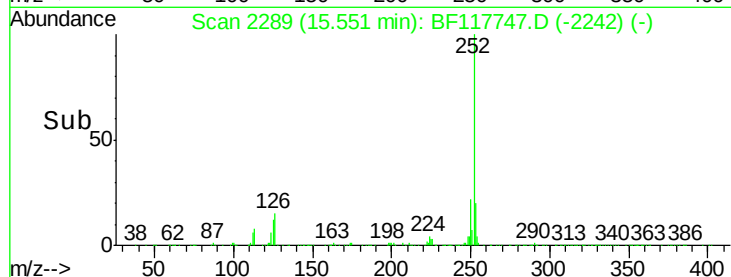
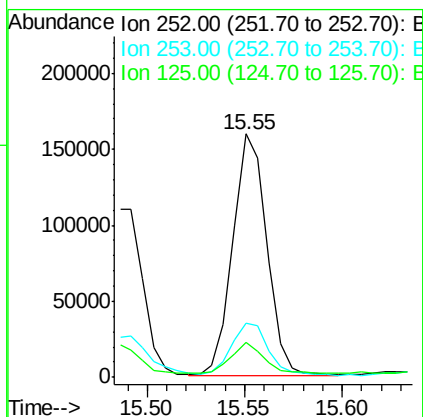
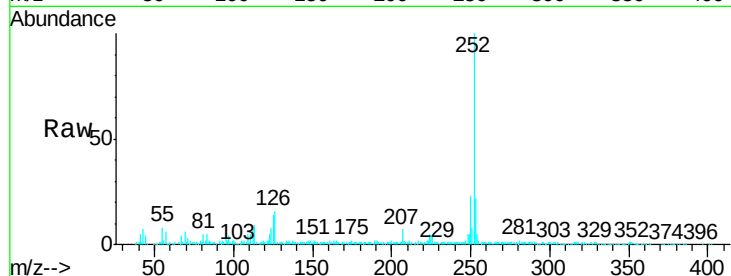
Instrument :

BNA_F

ClientSampleId :

HILTON-STOCKPILE

Tgt Ion:	252	Resp:	192604
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.0	27.0
125	14.3	9.5	14.3#



#92

Benzo(g,h,i)perylene

Concen: 2.736 ng

RT: 17.61 min Scan# 2639

Delta R.T. -0.03 min

Lab File: BF117747.D

Acq: 8 Nov 2019 22:31

Tgt Ion:	276	Resp:	100041
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.4	29.0
138	25.6	19.2	28.8

