

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

Manual Integrations
 APPROVED

mohammad
 11/11/2019 8:06:33 AM

Quant Time: Nov 09 03:15:31 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						
10) Phenol	6.56	94	118549	4.811	ng	Qvalue 97
50) Dimethylphthalate	9.69	163	356244	7.612	ng	98
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	294340m	6.066	ng	
89) Benzo(k)fluoranthene	15.20	252	87136m	2.013	ng	
90) Benzo(a)pyrene	15.55	252	192604	4.579	ng	# 98
92) Benzo(a,h,i)perylene	17.61	276	100041	2.736	ng	98

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

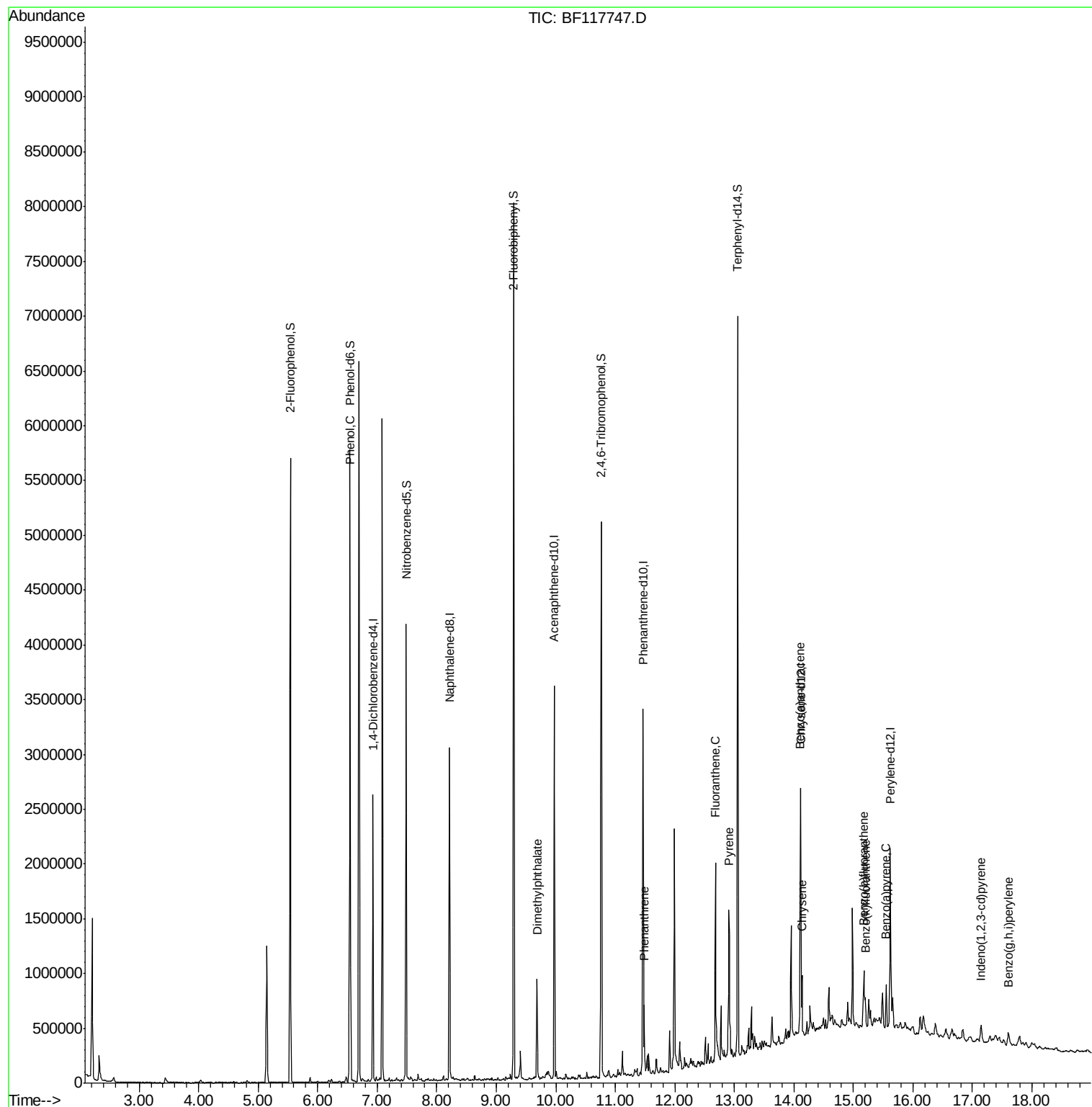
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117747.D
Acq On : 8 Nov 2019 22:31
Operator : JU
Sample : K5730-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

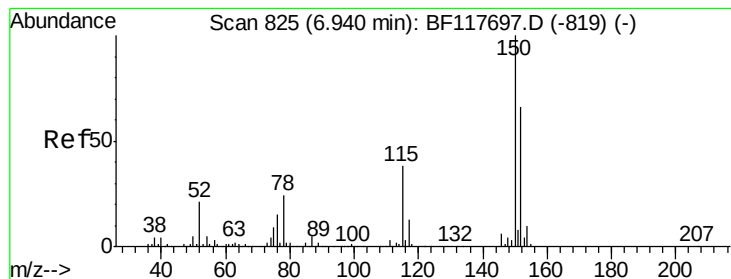
Instrument :
BNA_F
ClientSampleId :
HILTON-STOCKPILE

Quant Time: Nov 09 03:15:31 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

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:33 AM





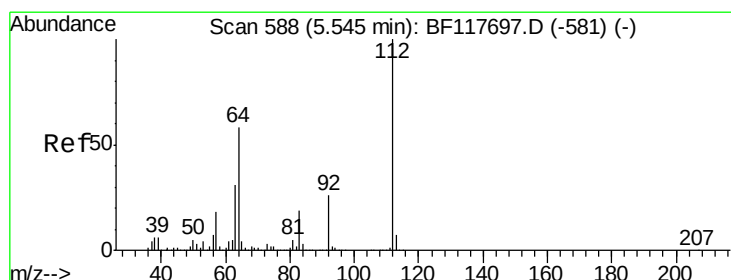
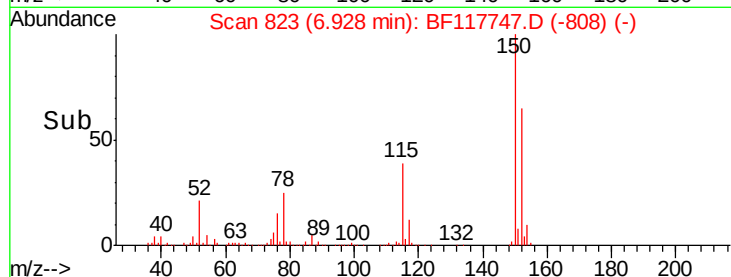
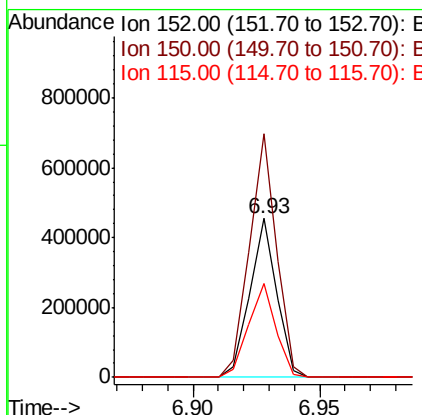
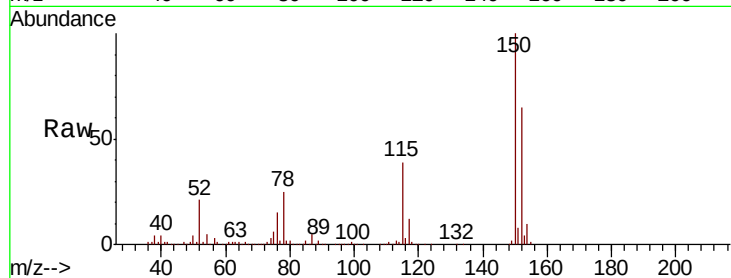
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.93 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BF117747.D
 Acq: 8 Nov 2019 22:31

Instrument :
 BNA_F
 ClientSampleId :
 HILTON-STOCKPILE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	121.4	182.2
115	59.4	46.7	70.1

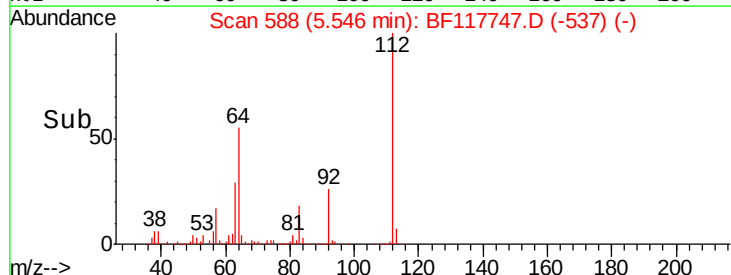
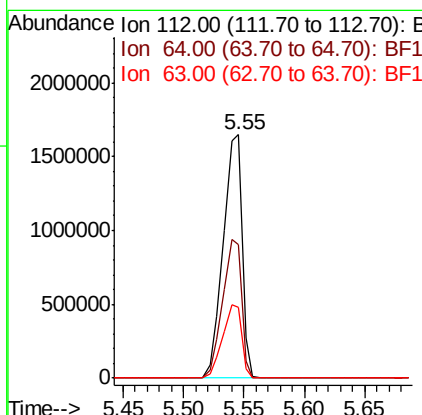
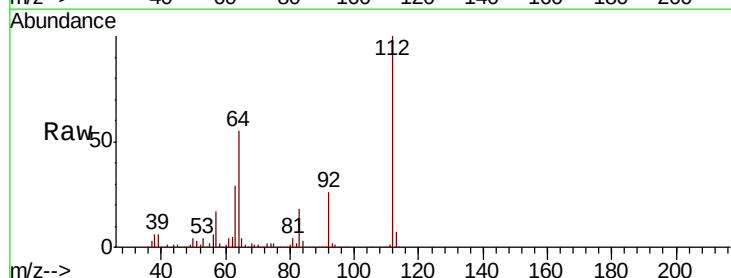
Manual Integrations
 APPROVED

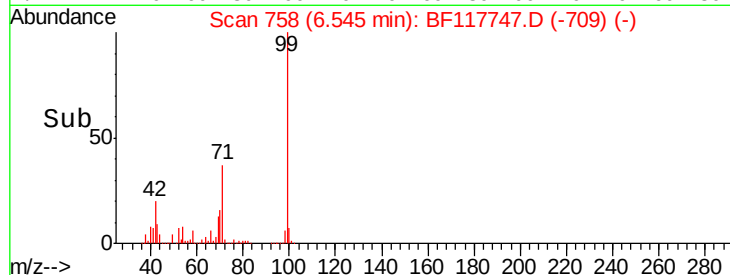
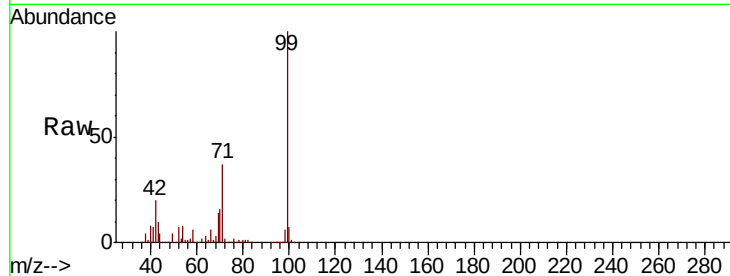
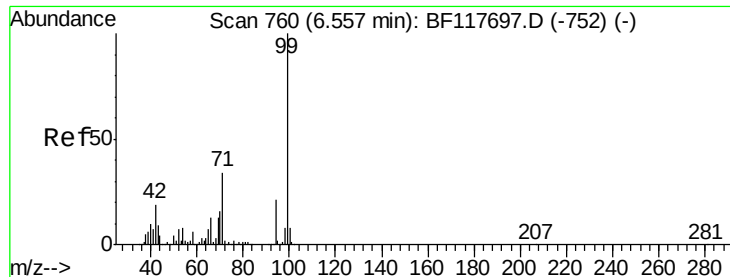
mohammad
 11/11/2019 8:06:33 AM



#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	Ratio	Lower	Upper
112	100		
64	54.8	46.4	69.6
63	29.1	24.6	37.0





#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

Tot Ion: 99 Resp: 2250181

Ion Ratio Lower Upper

99 100

42 19.7 15.3 22.9

71 36.7 26.8 40.2

Instrument :

BNA_F

ClientSampleId :

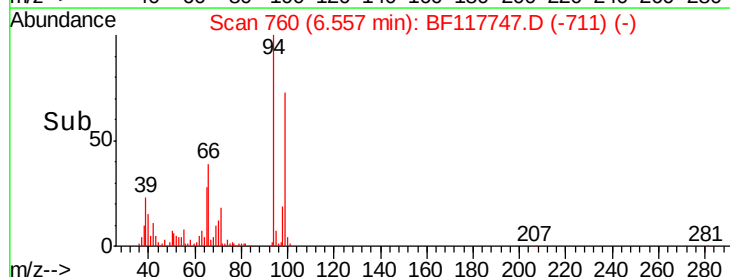
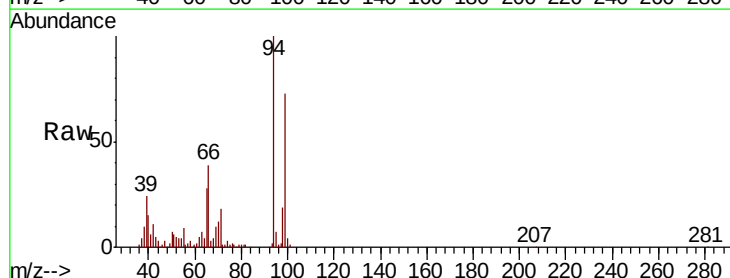
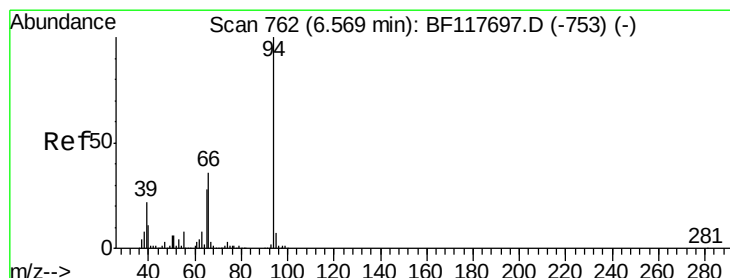
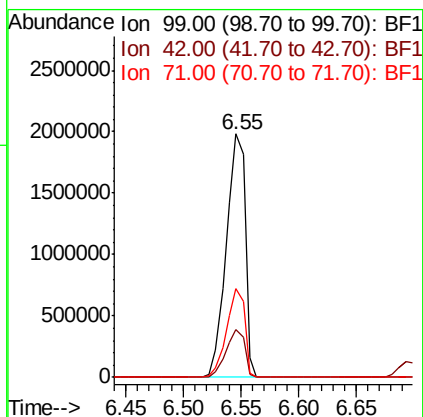
HILTON-STOCKPILE

Manual Integrations

APPROVED

mohammad

11/11/2019 8:06:33 AM



#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

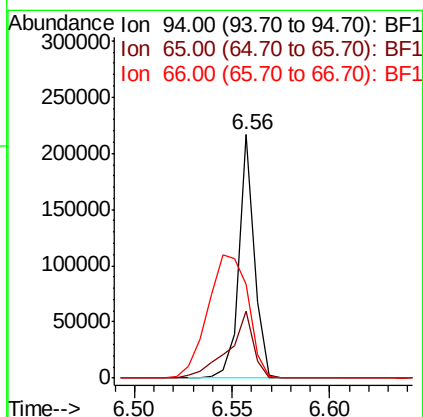
Tgt Ion: 94 Resp: 118549

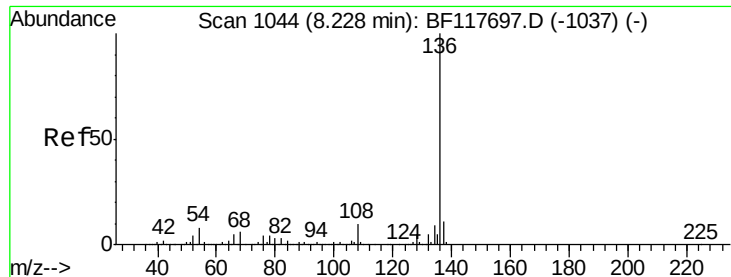
Ion Ratio Lower Upper

94 100

65 27.7 7.6 47.6

66 38.7 16.1 56.1





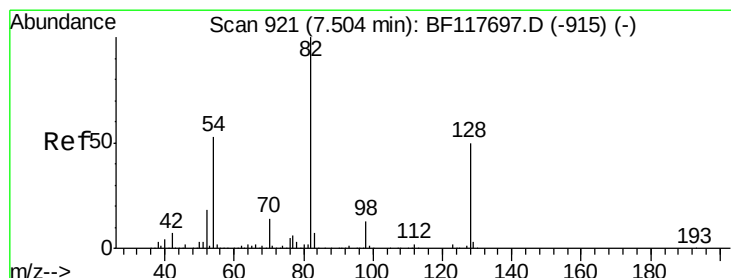
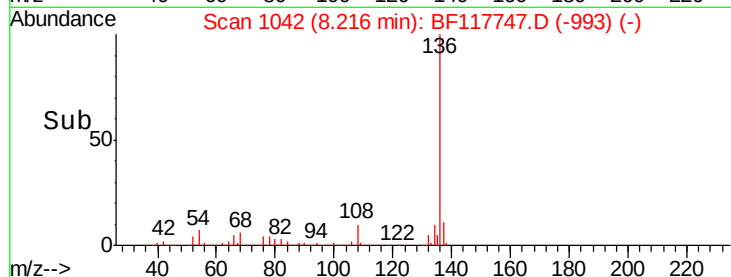
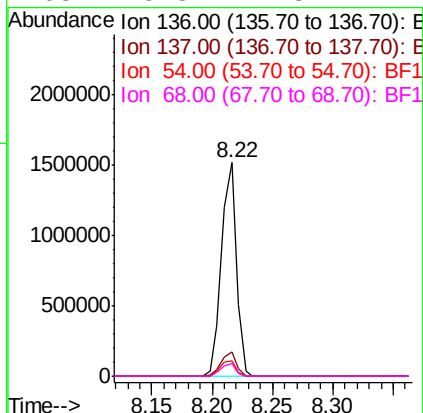
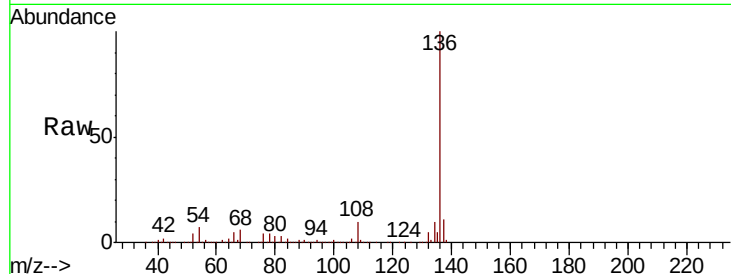
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF117747.D
Acq: 8 Nov 2019 22:31

Instrument :
BNA_F
ClientSampleId :
HILTON-STOCKPILE

Tot 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

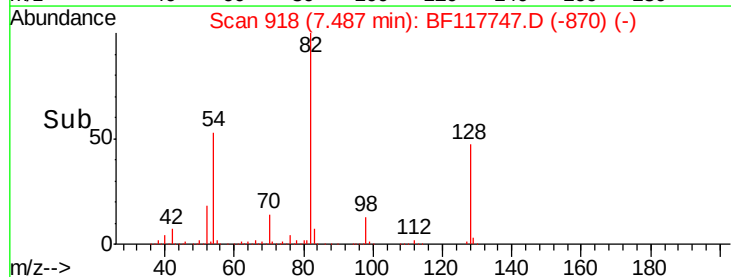
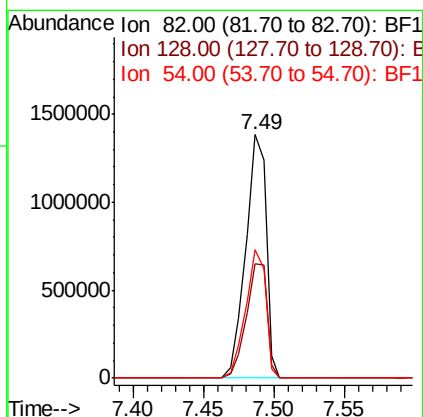
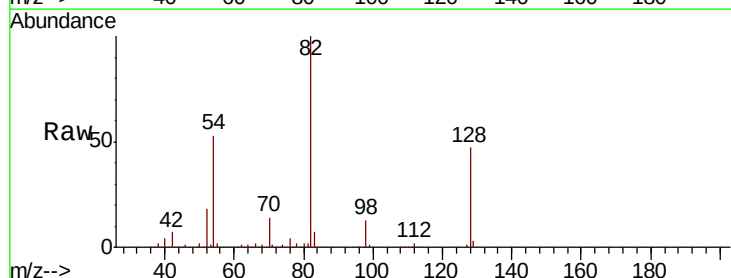
Manual Integrations
APPROVED

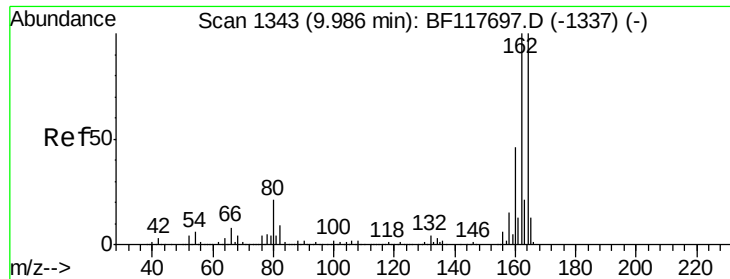
mohammad
11/11/2019 8:06:33 AM



#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

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





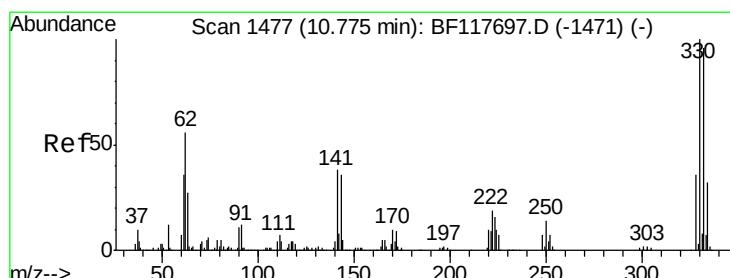
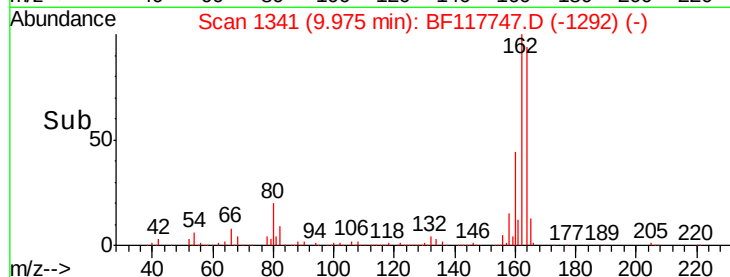
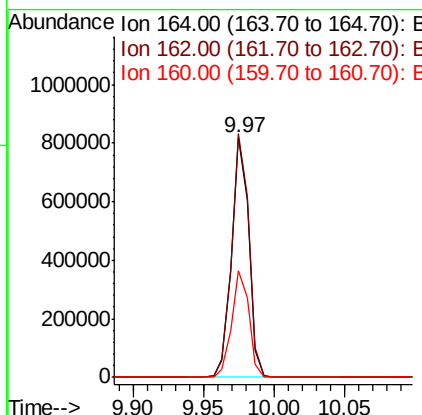
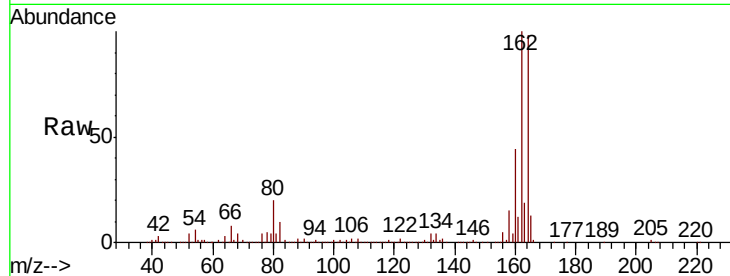
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF117747.D
Acq: 8 Nov 2019 22:31

Instrument :
BNA_F
ClientSampleId :
HILTON-STOCKPILE

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	79.7	119.5	
160	44.5	36.5	54.7	

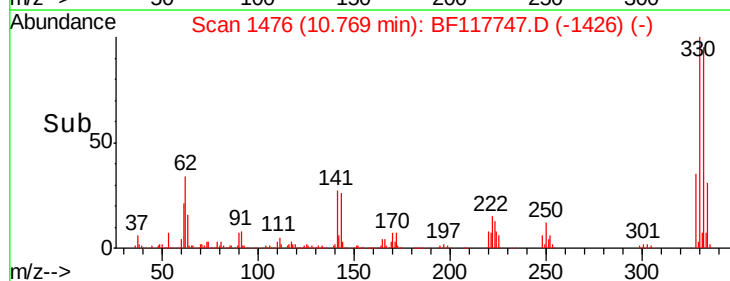
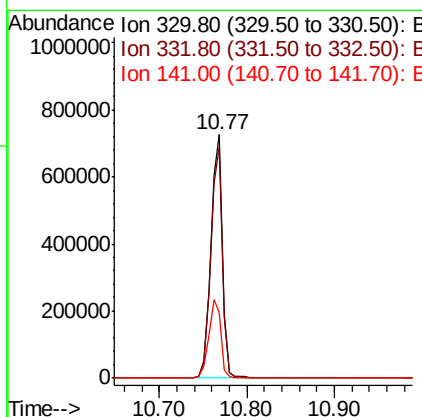
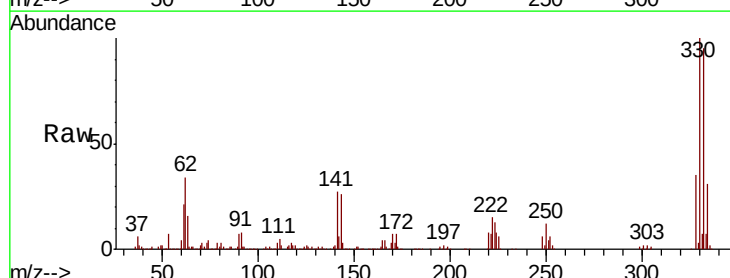
Manual Integrations
APPROVED

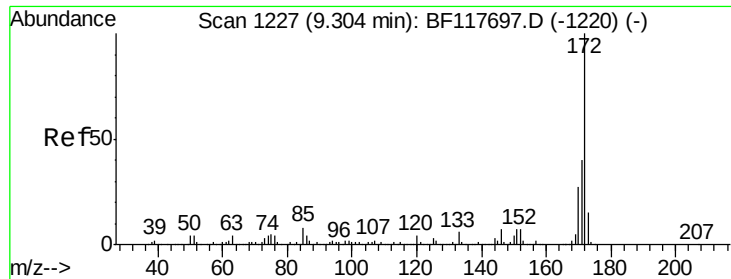
mohammad
11/11/2019 8:06:33 AM



#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	Ratio	Resp	Lower	Upper
330	100			
332	95.7	77.4	116.0	
141	33.9	28.0	42.0	





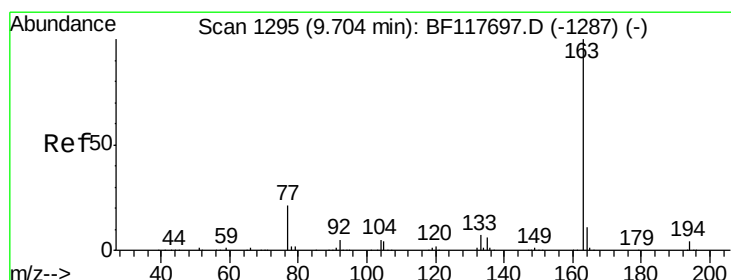
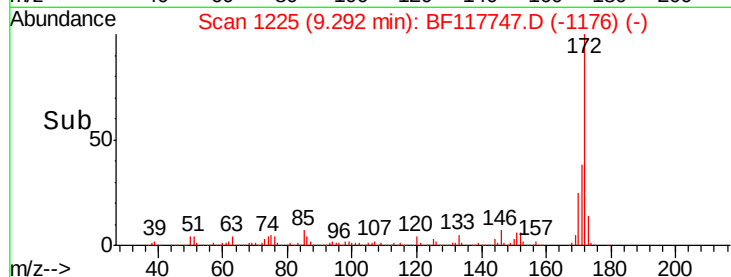
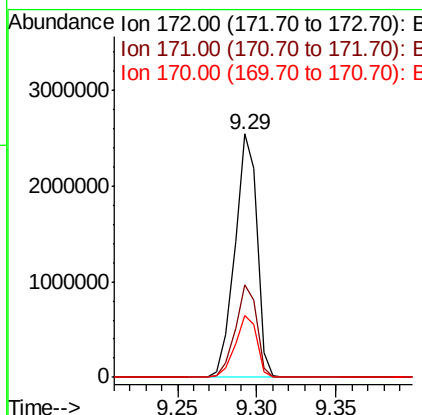
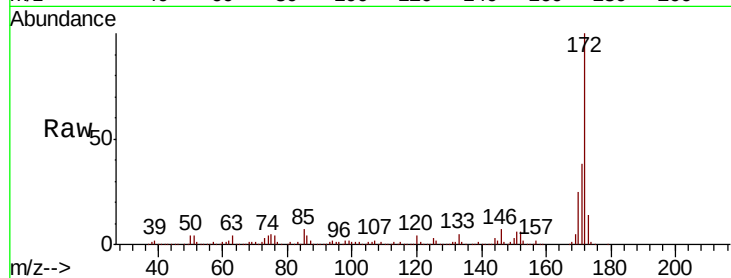
#45
2-Fluorobiphenyl
Concen: 70.128 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF117747.D
Acq: 8 Nov 2019 22:31

Instrument :
BNA_F
ClientSampleId :
HILTON-STOCKPILE

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.8	47.8
170	25.3	21.6	32.4

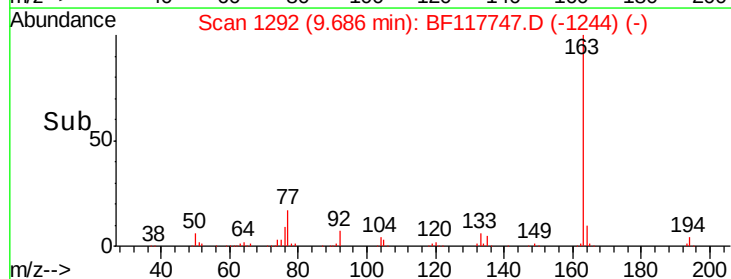
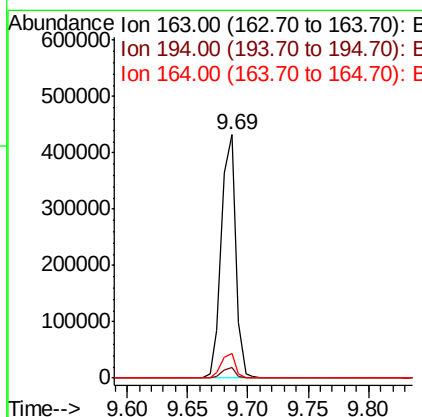
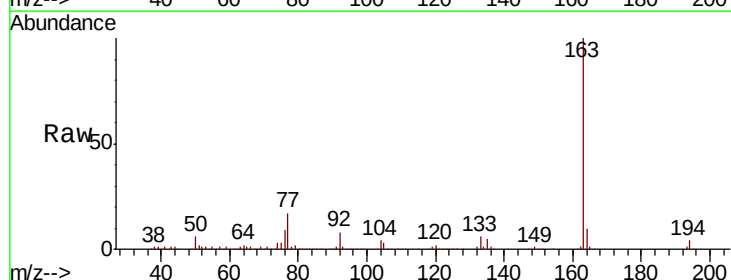
Manual Integrations
APPROVED

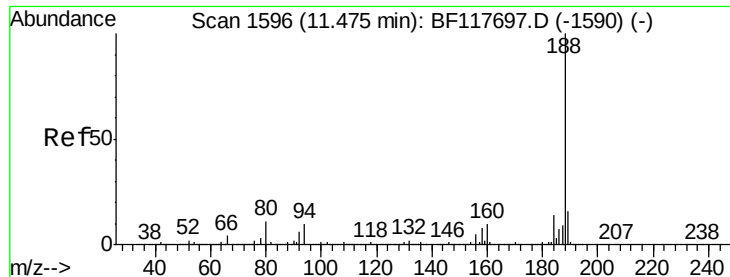
mohammad
11/11/2019 8:06:33 AM



#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	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	9.9	8.9	13.3





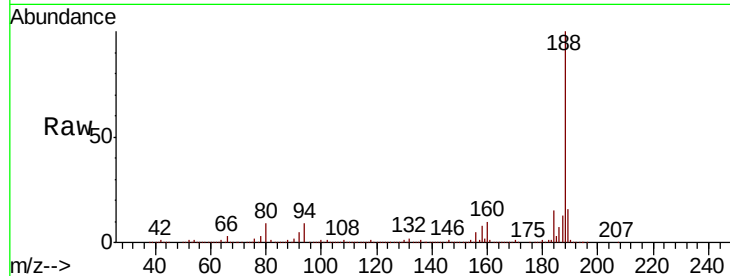
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF117747.D
Acq: 8 Nov 2019 22:31

Instrument :
BNA_F
ClientSampleId :
HILTON-STOCKPILE

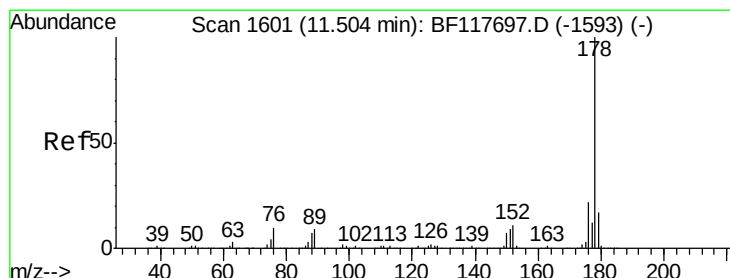
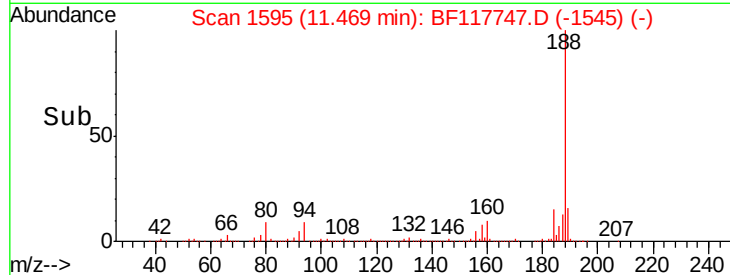
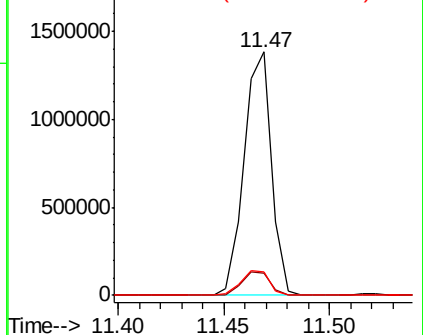
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.2	12.4
80	9.5	8.6	13.0

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:33 AM



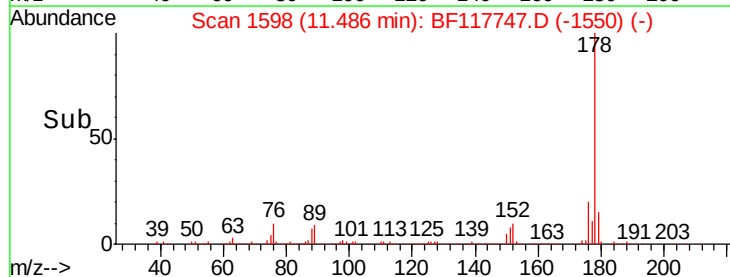
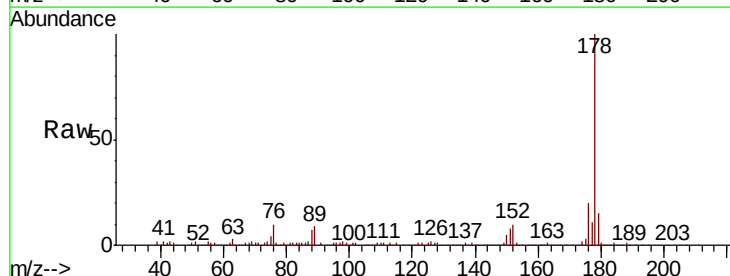
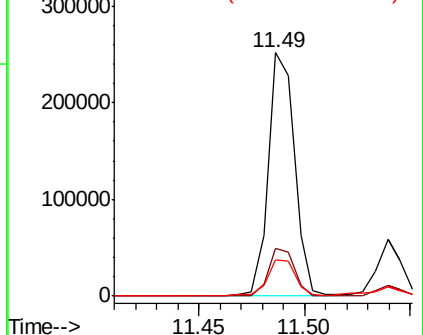
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

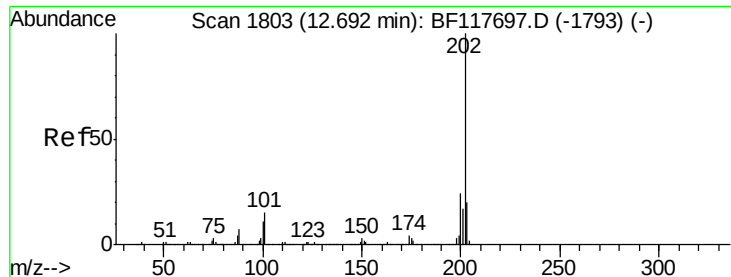


#71
Phenanthrene
Concen: 3.669 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.02 min
Lab File: BF117747.D
Acq: 8 Nov 2019 22:31

Tgt Ion	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

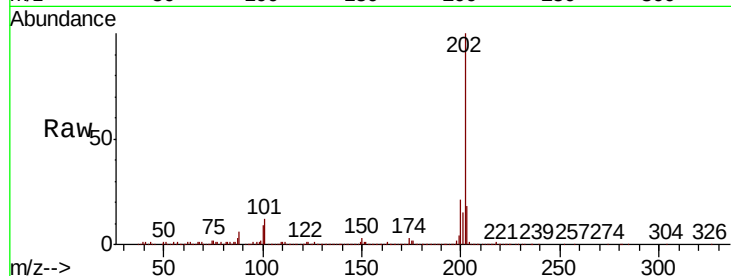
ClientSampleId :

HILTON-STOCKPILE

Tot Ion:	202	Resp:	616027
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	34.5
203	17.7	0.0	39.8

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:33 AM

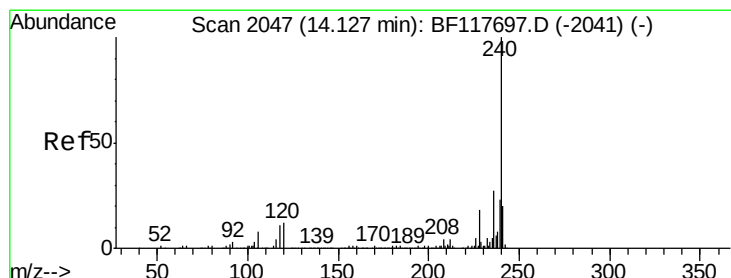
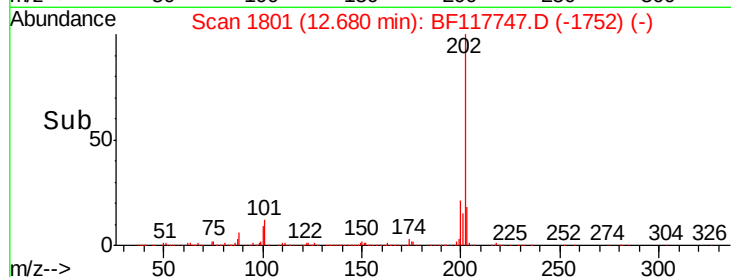
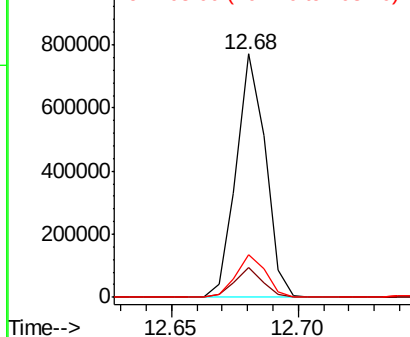


Abundance

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

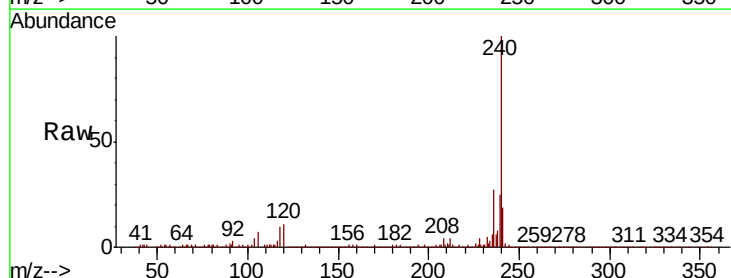
RT: 14.12 min Scan# 2045

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

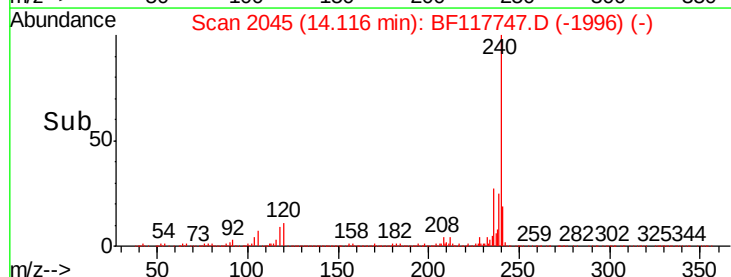
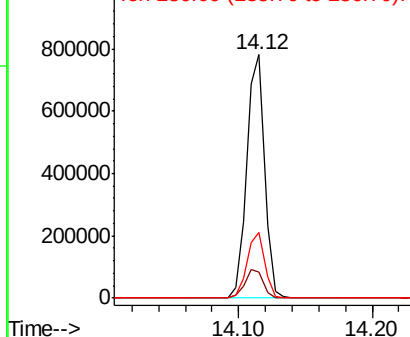


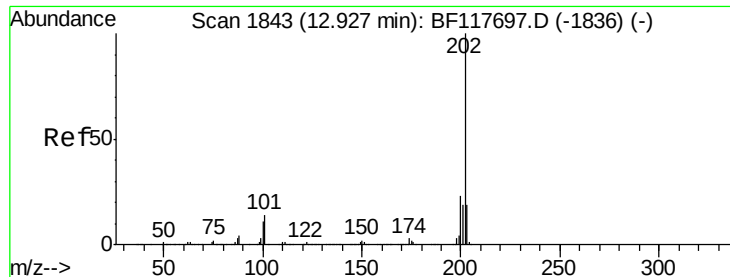
Abundance

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





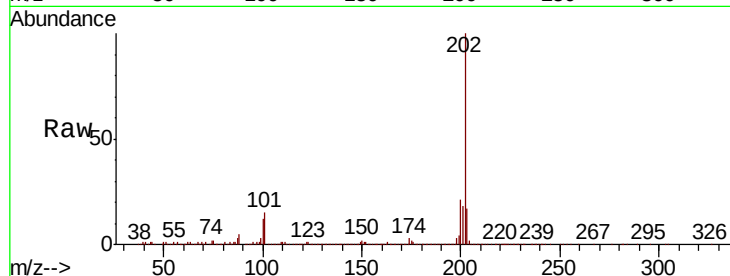
#78
Pvrene
Concen: 10.346 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.02 min
Lab File: BF117747.D
Acq: 8 Nov 2019 22:31

Instrument :
BNA_F
ClientSampleId :
HILTON-STOCKPILE

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

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:33 AM

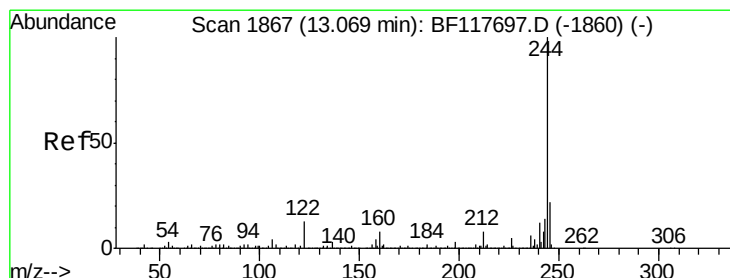
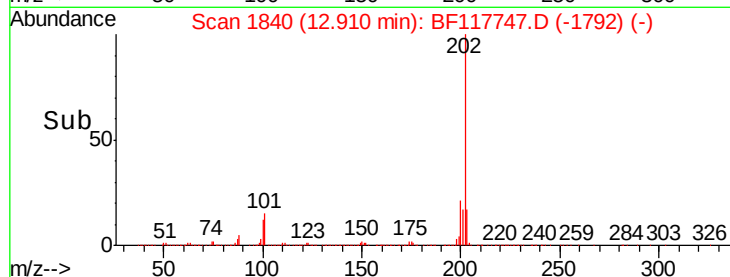
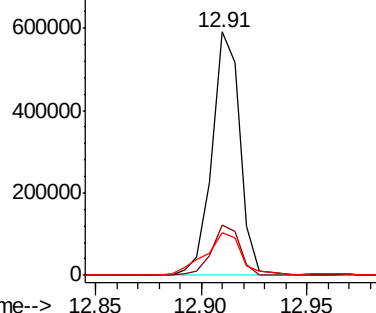


Abundance

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: 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

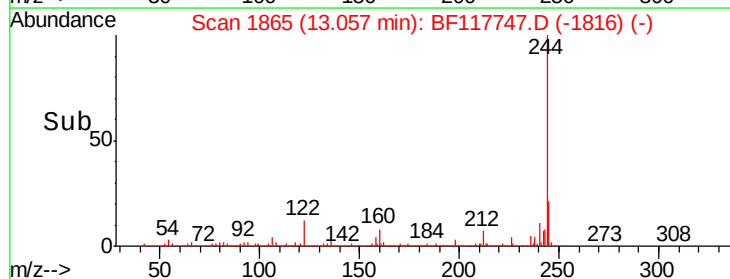
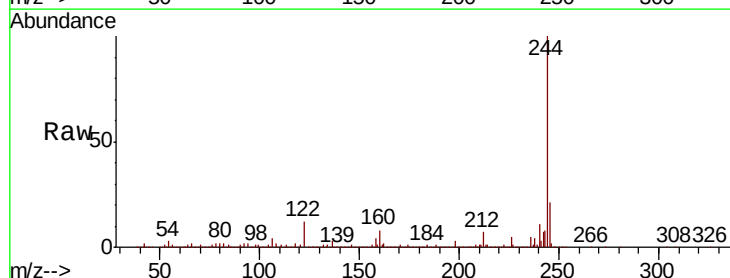
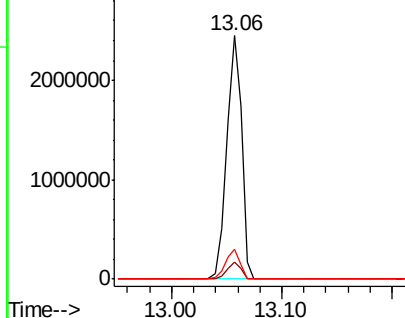
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.4	9.6
122	12.1	10.0	15.0

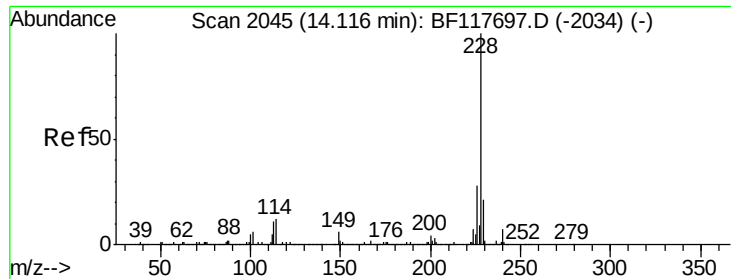
Abundance

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





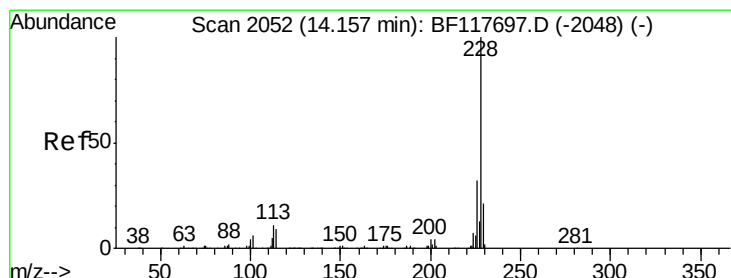
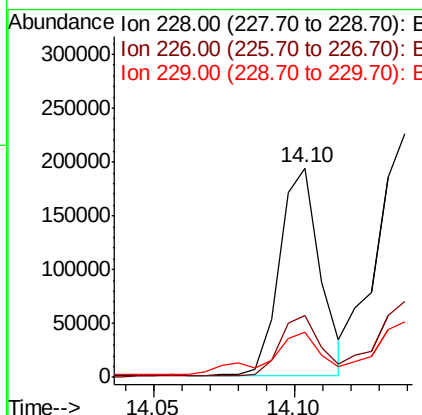
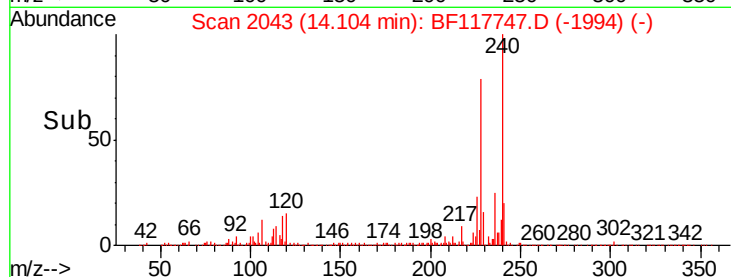
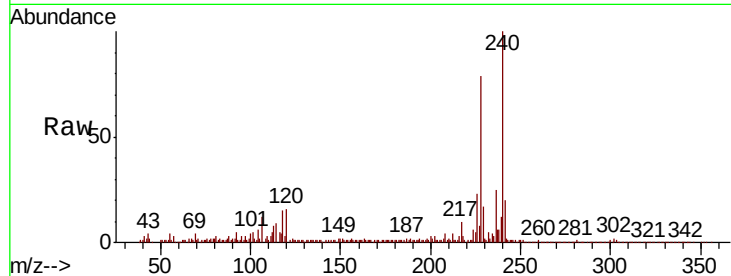
#81
Benzo(a)anthracene
Concen: 4.341 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117747.D
Acq: 8 Nov 2019 22:31

Instrument :
BNA_F
ClientSampleId :
HILTON-STOCKPILE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.8	34.2
229	21.8	16.9	25.3

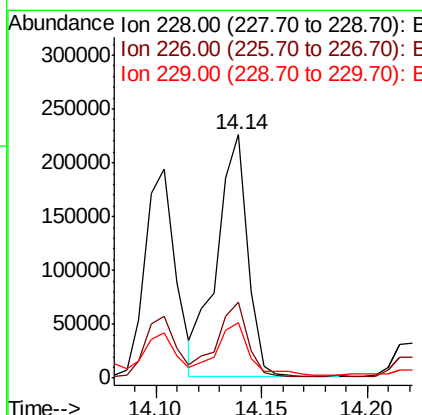
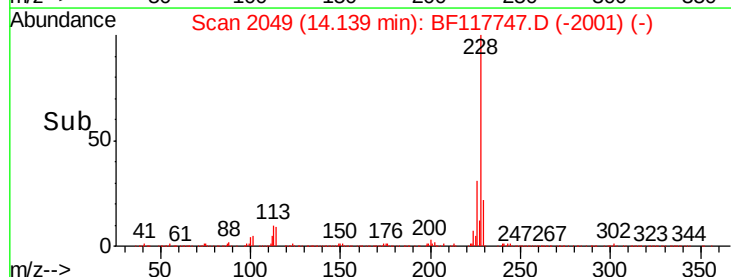
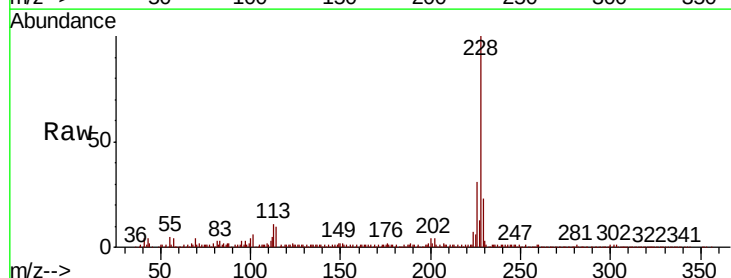
Manual Integrations
APPROVED

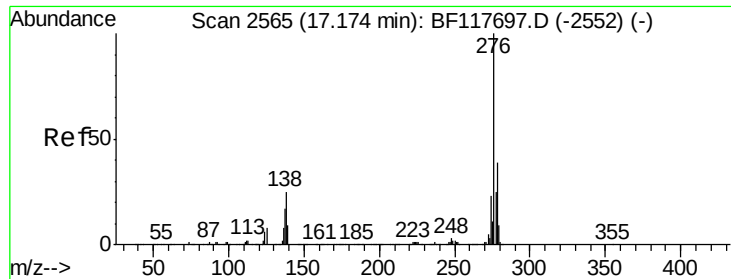
mohammad
11/11/2019 8:06:33 AM



#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	Ratio	Lower	Upper
228	100		
226	31.2	25.4	38.2
229	22.7	16.6	24.8





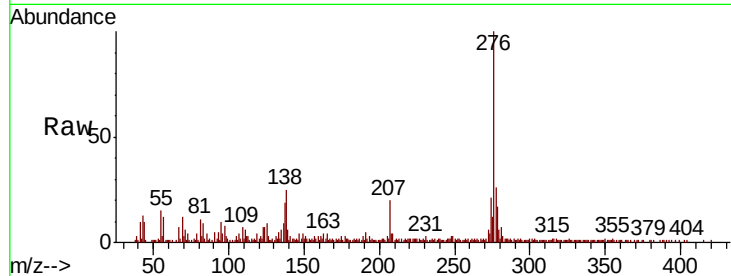
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.751 ng
 RT: 17.14 min Scan# 2560
 Delta R.T. -0.03 min
 Lab File: BF117747.D
 Acq: 8 Nov 2019 22:31

Instrument :
 BNA_F
 ClientSampleId :
 HILTON-STOCKPILE

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	22.4	33.6
277	23.6	20.6	30.8

Manual Integrations
 APPROVED

mohammad
 11/11/2019 8:06:33 AM

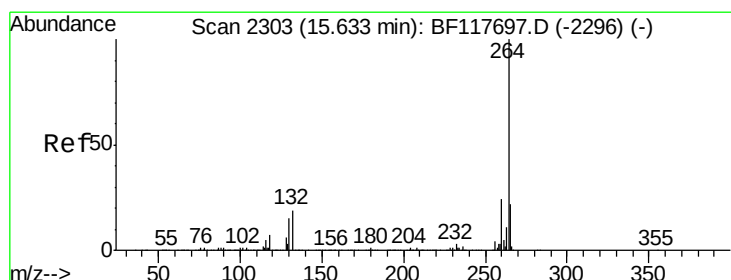
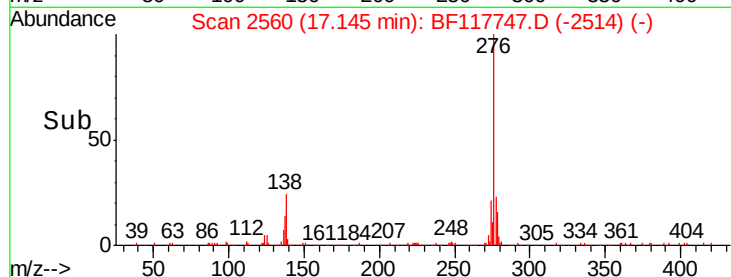
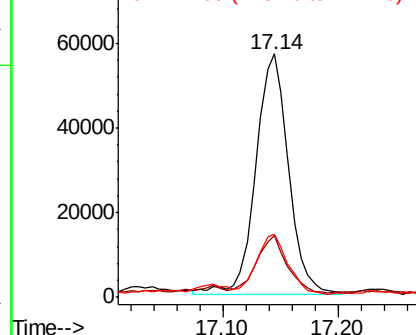


Abundance

Ion 276.00 (275.70 to 276.70): E

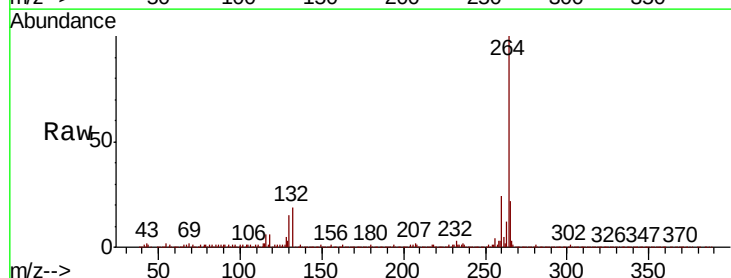
Ion 138.00 (137.70 to 138.70): E

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	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	21.8	17.7	26.5

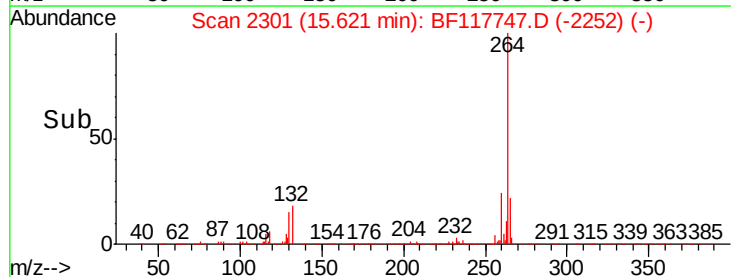
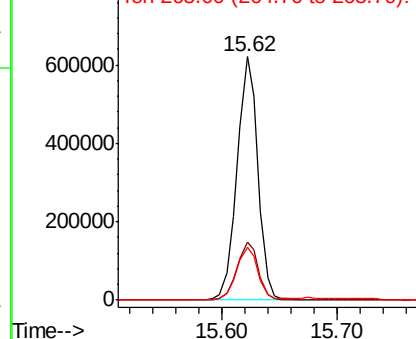


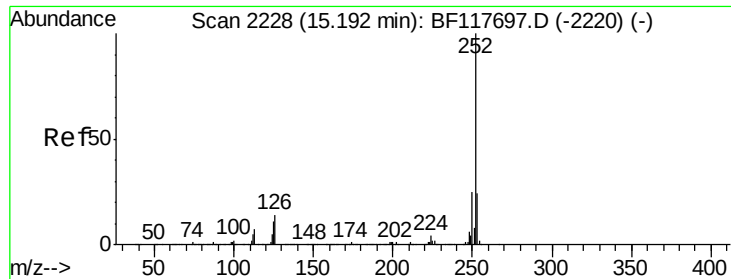
Abundance

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





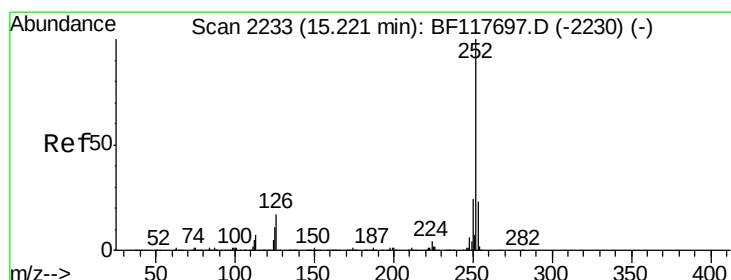
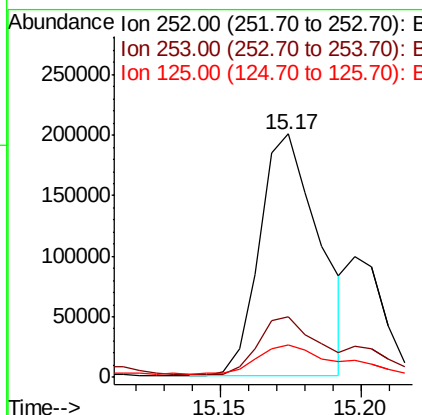
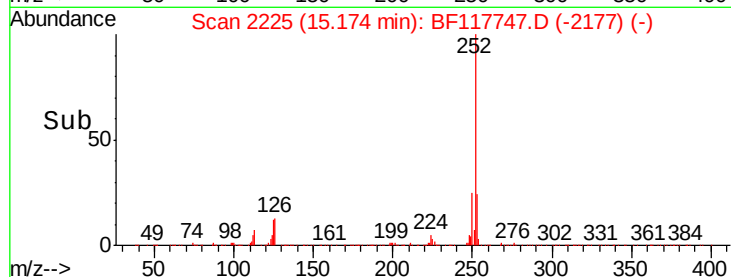
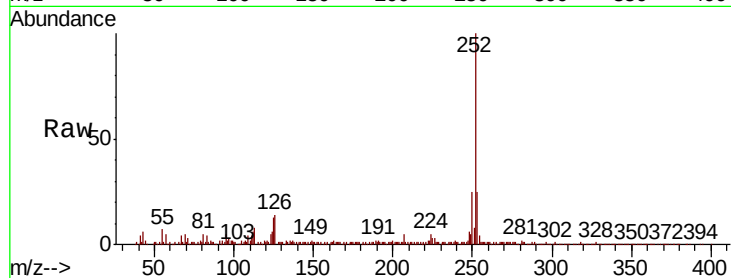
#88
Benzo(b)fluoranthene
Concen: 6.066 ng m
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF117747.D
Acq: 8 Nov 2019 22:31

Instrument :
BNA_F
ClientSampleId :
HILTON-STOCKPILE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.9	28.3
125	13.3	8.5	12.7

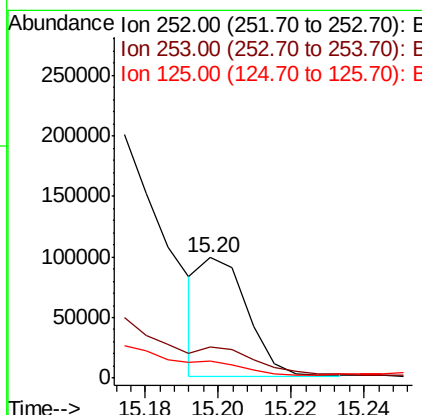
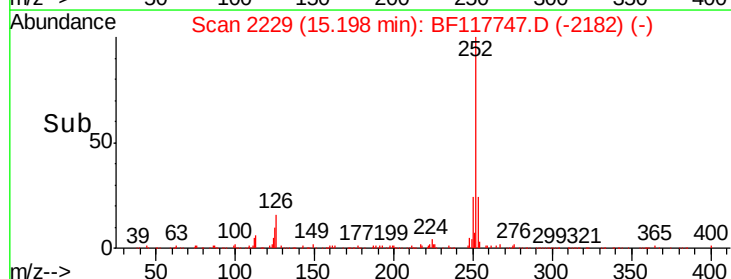
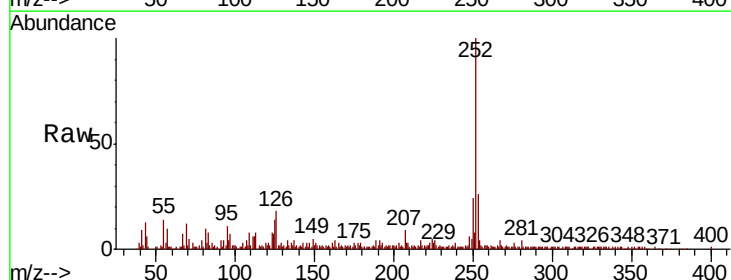
Manual Integrations
APPROVED

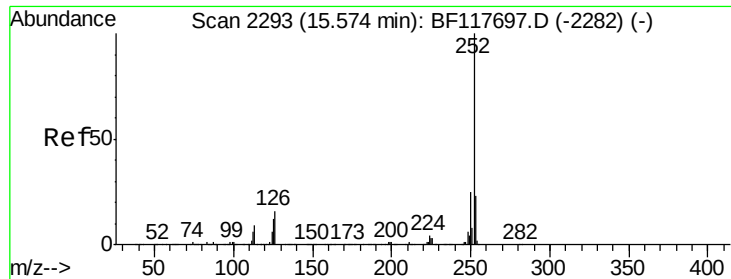
mohammad
11/11/2019 8:06:33 AM



#89
Benzo(k)fluoranthene
Concen: 2.013 ng m
RT: 15.20 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BF117747.D
Acq: 8 Nov 2019 22:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.9	26.9
125	14.0	9.1	13.7





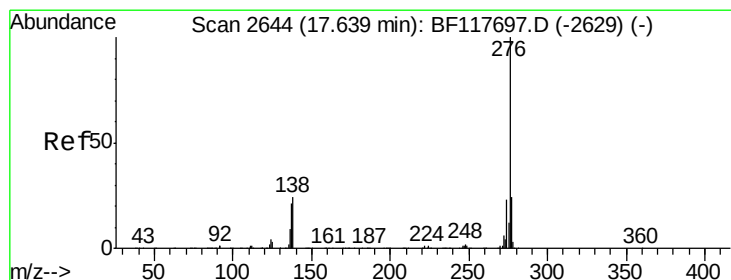
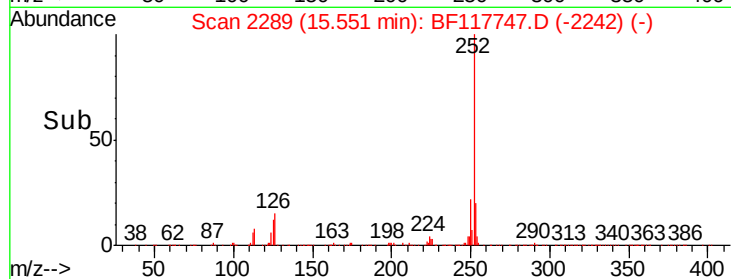
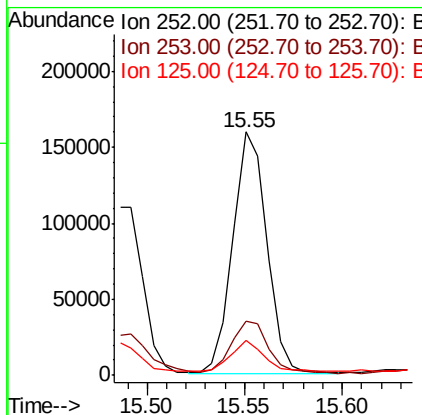
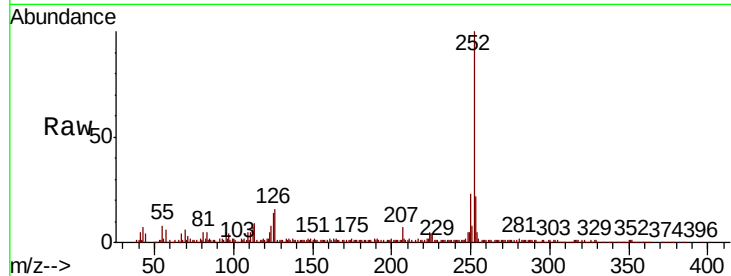
#90
Benzo(a)pyrene
Concen: 4.579 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.02 min
Lab File: BF117747.D
Acq: 8 Nov 2019 22:31

Instrument :
BNA_F
ClientSampleId :
HILTON-STOCKPILE

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.3	18.0	27.0
125	14.3	9.5	14.3

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:33 AM



#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	Ratio	Resp Lower	Upper
276	100		
277	23.8	19.4	29.0
138	25.6	19.2	28.8

