

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
 Data File : BF117722.D
 Acq On : 7 Nov 2019 23:08
 Operator : JU
 Sample : K5722-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampled :
 5-A

Manual Integrations
 APPROVED

Sohil
 11/8/2019 3:31:45 PM

Quant Time: Nov 08 03:27:40 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	314235	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	1206057m	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	578085	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	899380	20.00	ng	0.00
76) Chrysene-d12	14.12	240	709457	20.00	ng	0.00
87) Perylene-d12	15.63	264	898598	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1512964	87.15	ng	0.00
7) Phenol-d6	6.55	99	2135709	99.78	ng	0.00
23) Nitrobenzene-d5	7.49	82	1295381	63.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	314311	55.58	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	2244927	76.62	ng	0.00
79) Terphenyl-d14	13.07	244	1923214	55.80	ng	0.00
Target Compounds						
10) Phenol	6.56	94	78426	3.400	ng	Qvalue 92
31) Naphthalene	8.24	128	113032	2.050	ng	97
37) 2-Methylnaphthalene	8.93	142	490008	13.057	ng	98
38) 1-Methylnaphthalene	9.03	142	381173	10.695	ng	98
50) Dimethylphthalate	9.69	163	315625	8.076	ng	98
52) Acenaphthene	10.02	154	87627	2.775	ng	# 83
58) Fluorene	10.53	166	1320619	40.557	ng	98
71) Phenanthrene	11.52	178	6067621	140.751	ng	94
72) Anthracene	11.56	178	602086	14.038	ng	95
75) Fluoranthene	12.70	202	1391953	31.622	ng	97
78) Pyrene	12.93	202	1968851	38.016	ng	99
81) Benzo(a)anthracene	14.11	228	236525m	5.356	ng	
83) Chrysene	14.14	228	274108m	6.285	ng	
84) Bis(2-ethylhexyl)phthalate	14.10	149	83921	2.720	ng	# 95
86) Indeno(1,2,3-cd)pyrene	17.16	276	103886	2.559	ng	95
88) Benzo(b)fluoranthene	15.18	252	311697m	5.508	ng	
90) Benzo(a)pyrene	15.56	252	154094	3.141	ng	96
92) Benzo(a,h,i)perylene	17.62	276	95591	2.242	ng	99

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

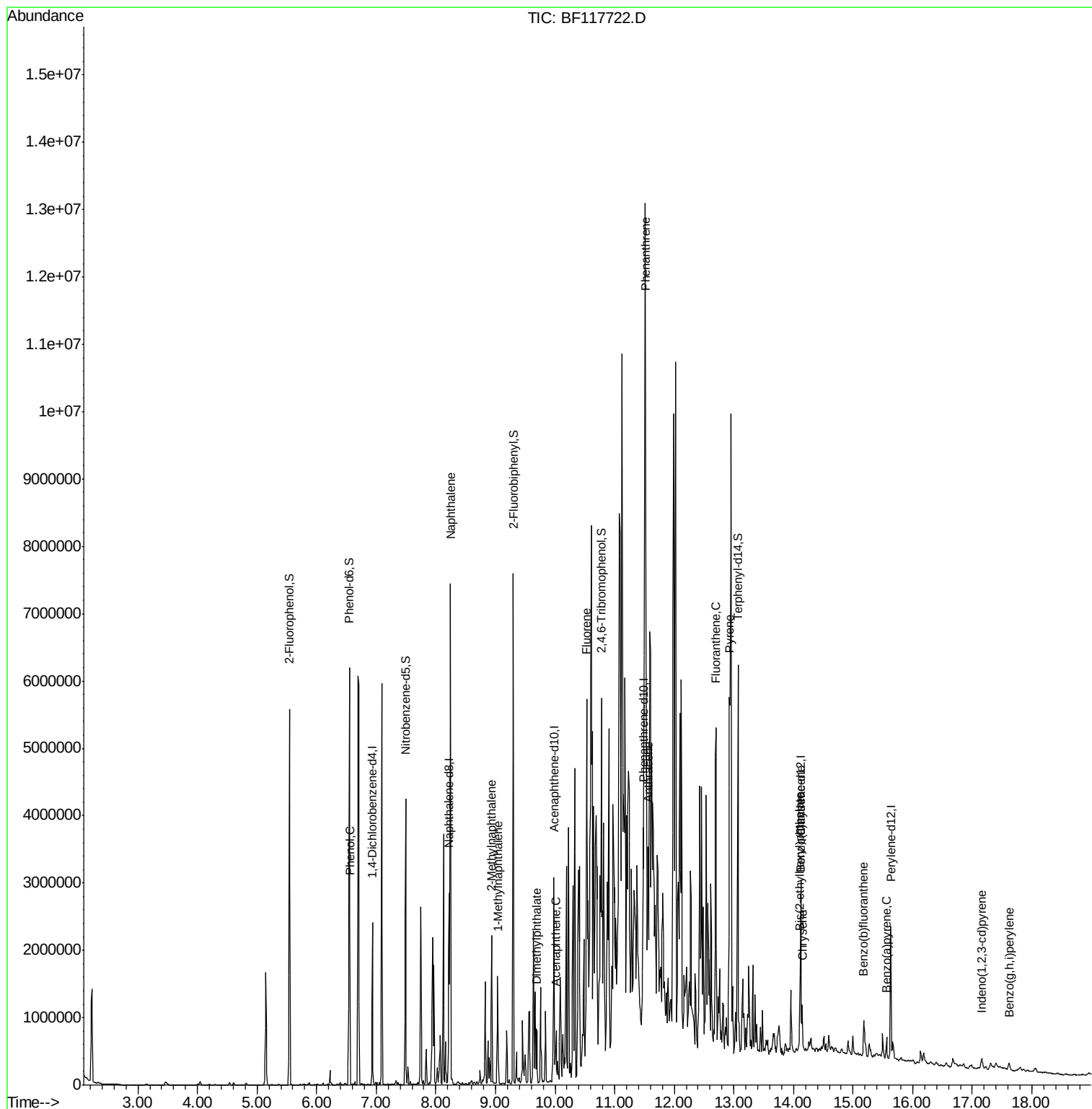
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
Data File : BF117722.D
Acq On : 7 Nov 2019 23:08
Operator : JU
Sample : K5722-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

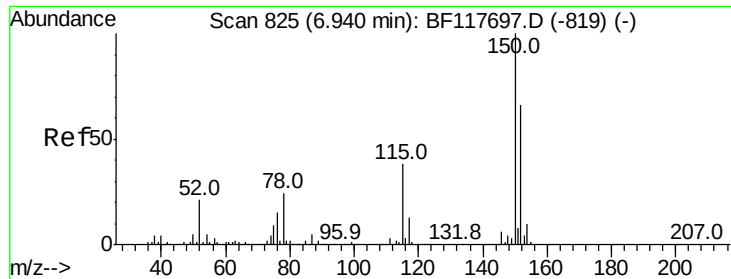
Instrument :
BNA_F
ClientSampleId :
5-A

Manual Integrations
APPROVED

Sohil
11/8/2019 3:31:45 PM

Quant Time: Nov 08 03:27:40 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

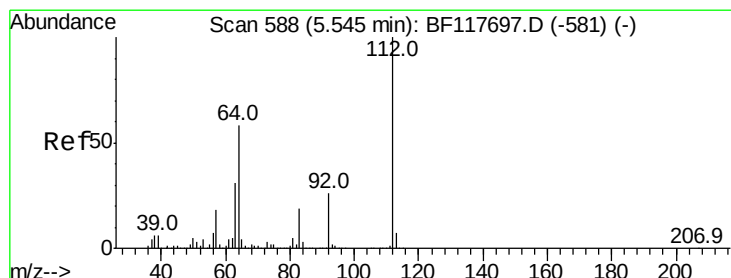
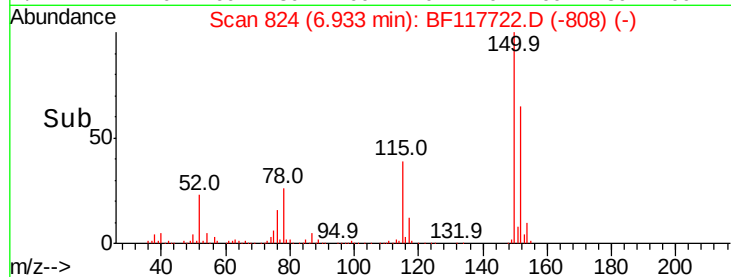
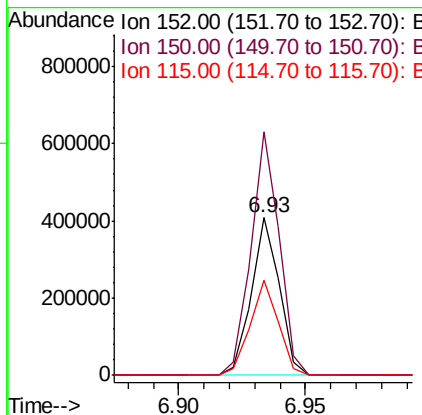
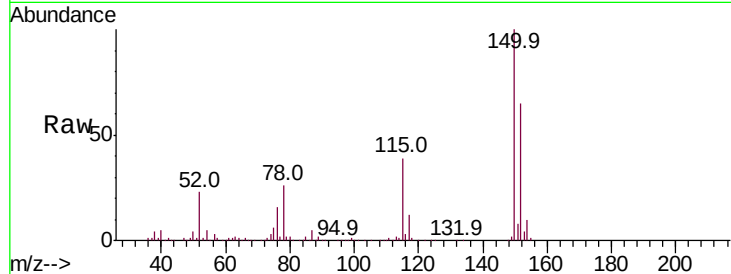
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF117722.D
Acq: 7 Nov 2019 23:08

Instrument :
BNA_F
ClientSampleId :
5-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	121.4	182.2
115	60.2	46.7	70.1

Manual Integrations
APPROVED

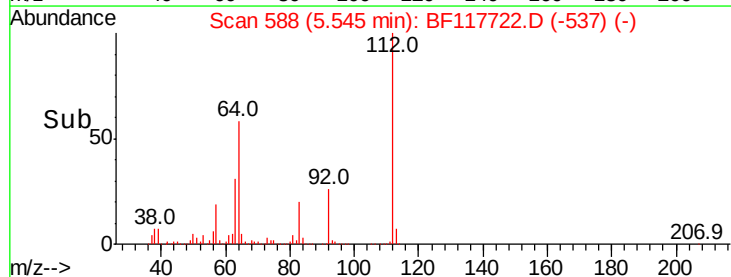
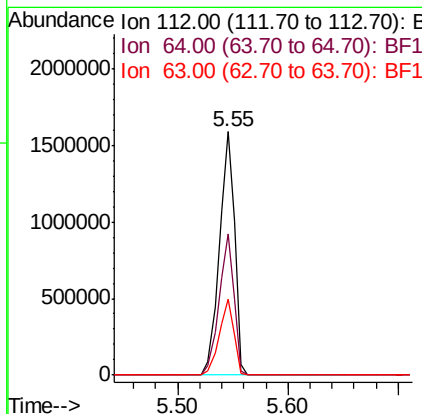
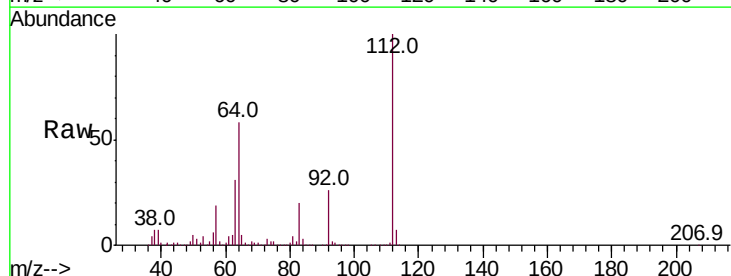
Sohil
11/8/2019 3:31:45 PM

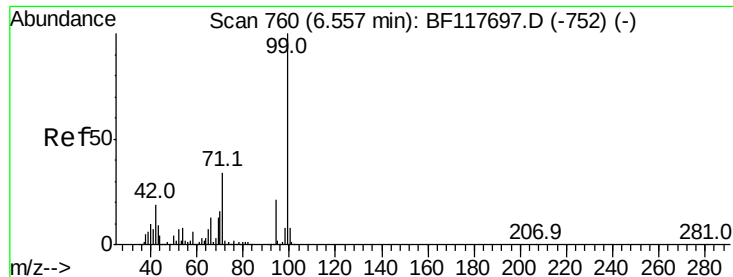


#5

2-Fluorophenol
Concen: 87.154 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117722.D
Acq: 7 Nov 2019 23:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.4	69.6
63	31.1	24.6	37.0





#7

Phenol-d6

Concen: 99.777 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117722.D

Acq: 7 Nov 2019 23:08

Instrument :

BNA_F

ClientSampled :

5-A

Tot Ion: 99 Resp: 2135709

Ion Ratio Lower Upper

99 100

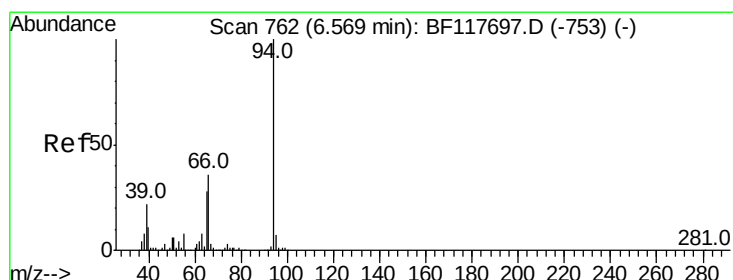
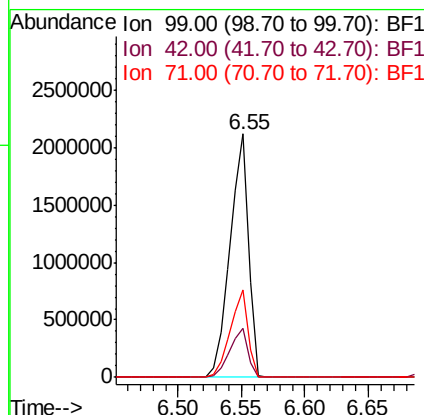
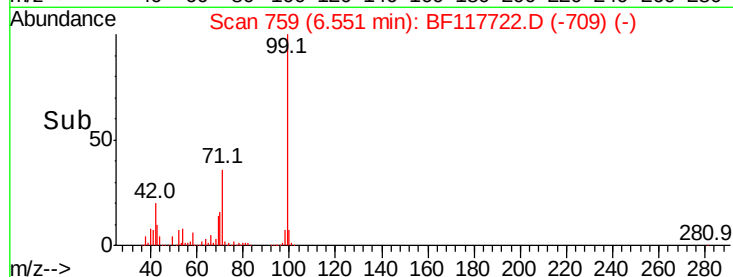
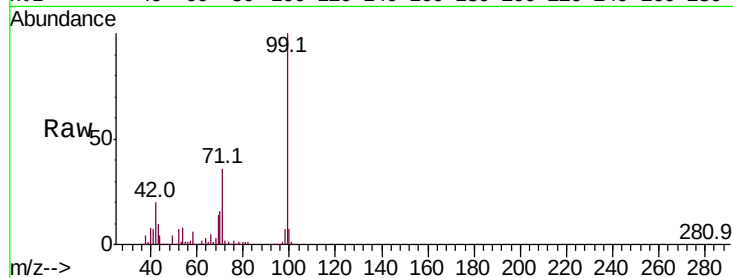
42 20.1 15.3 22.9

71 35.7 26.8 40.2

Manual Integrations
APPROVED

Sohil

11/8/2019 3:31:45 PM



#10

Phenol

Concen: 3.400 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF117722.D

Acq: 7 Nov 2019 23:08

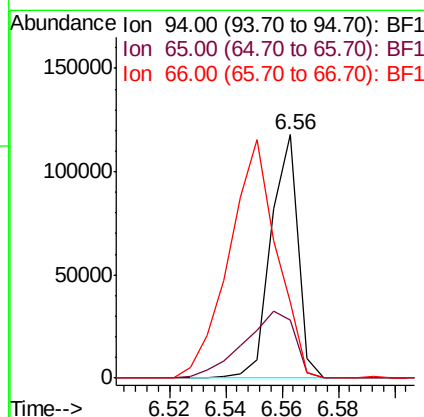
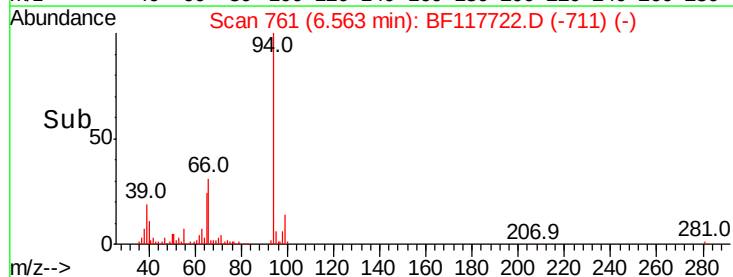
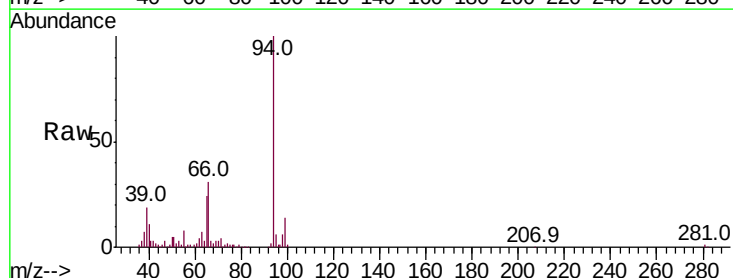
Tgt Ion: 94 Resp: 78426

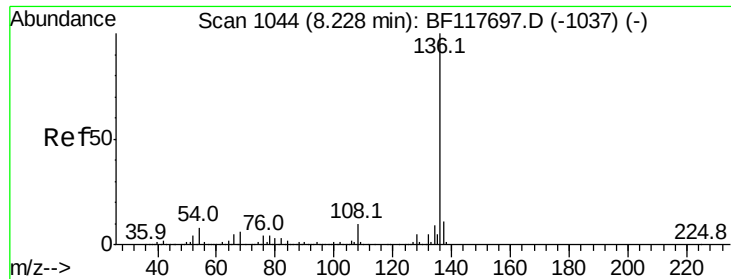
Ion Ratio Lower Upper

94 100

65 23.6 7.6 47.6

66 31.4 16.1 56.1





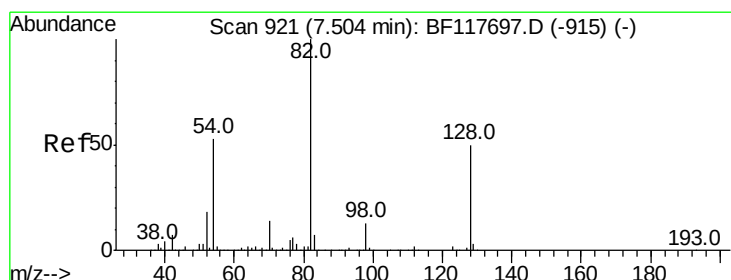
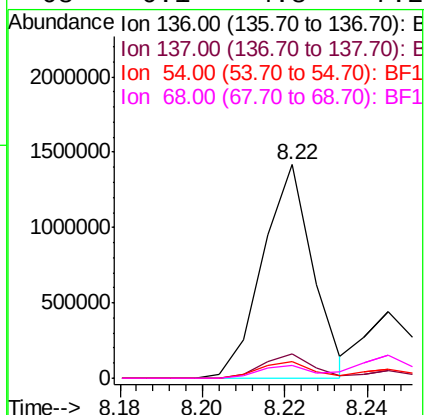
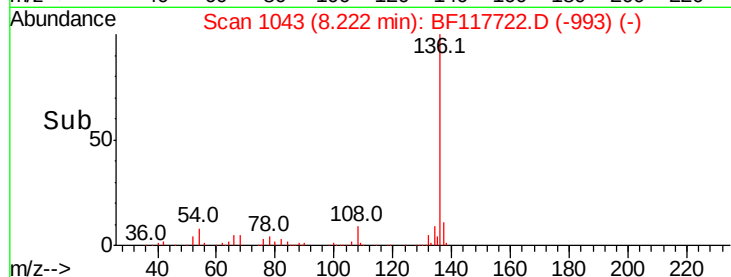
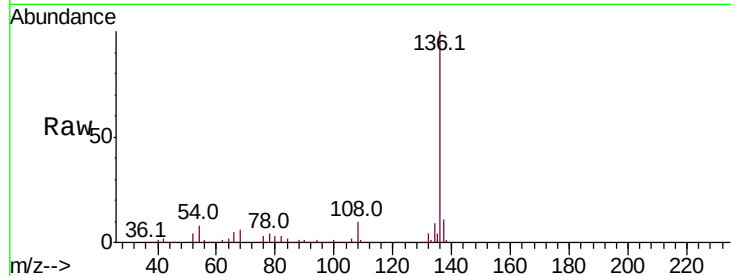
#21
Naphthalene-d8
Concen: 20.000 ng m
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF117722.D
Acq: 7 Nov 2019 23:08

Instrument :
BNA_F
ClientSampleId :
5-A

Tot Ion	136	Resp	1206057
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.8	6.0	9.0
68	6.1	4.8	7.2

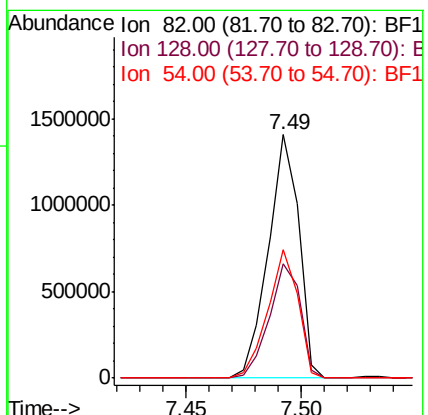
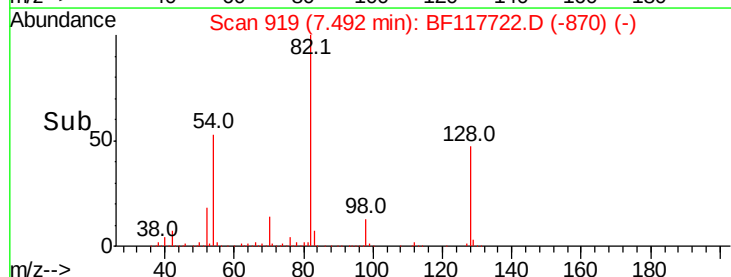
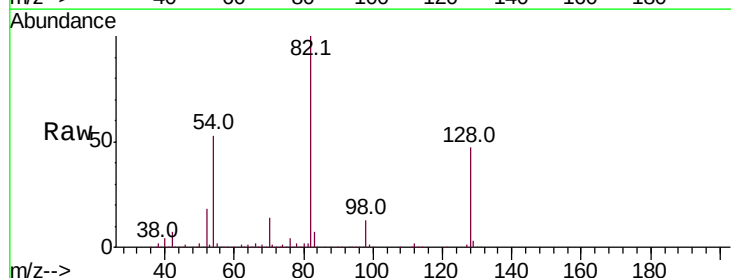
Manual Integrations
APPROVED

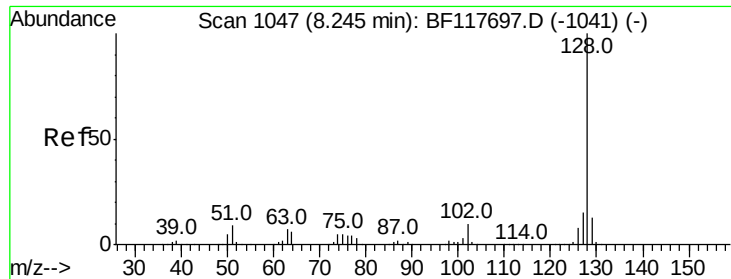
Sohil
11/8/2019 3:31:45 PM



#23
Nitrobenzene-d5
Concen: 63.412 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF117722.D
Acq: 7 Nov 2019 23:08

Tgt Ion	82	Resp	1295381
Ion	Ratio	Lower	Upper
82	100		
128	46.8	40.2	60.2
54	52.8	42.0	63.0





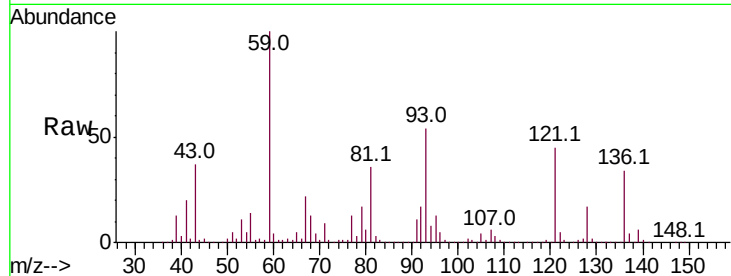
#31
Naphthalene
Concen: 2.050 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF117722.D
Acq: 7 Nov 2019 23:08

Instrument :
BNA_F
ClientSampled :
5-A

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	10.1	15.1
127	13.1	11.8	17.6

Manual Integrations
APPROVED

Sohil
11/8/2019 3:31:45 PM

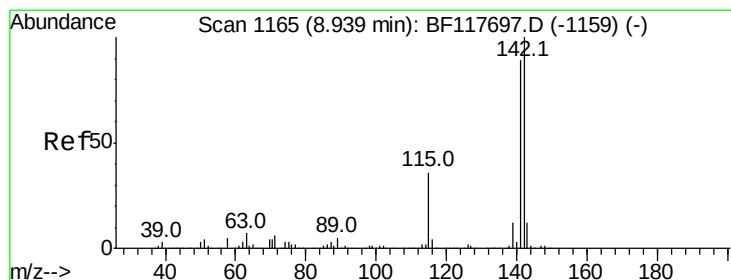
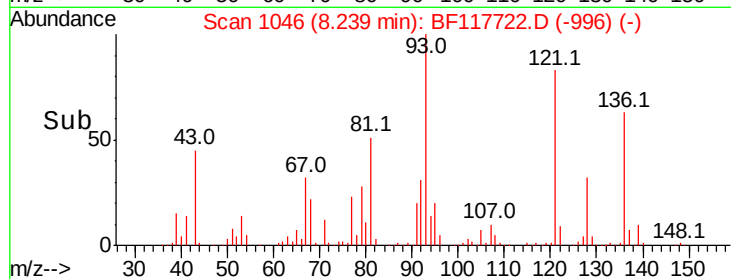
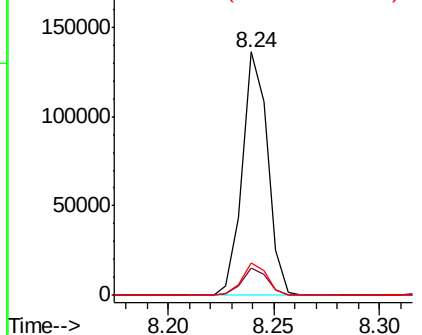


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37
2-Methylnaphthalene
Concen: 13.057 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF117722.D
Acq: 7 Nov 2019 23:08

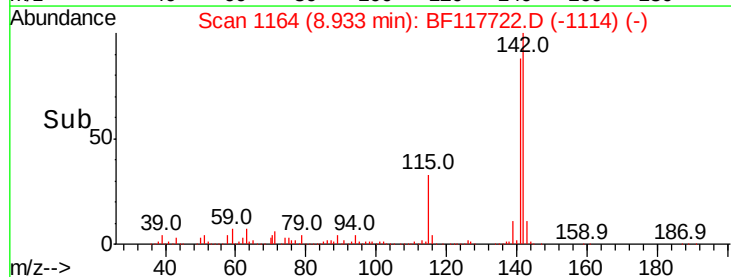
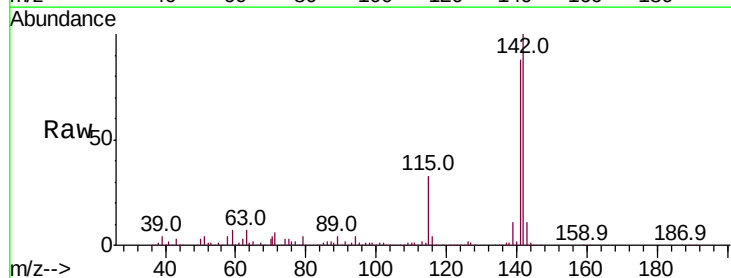
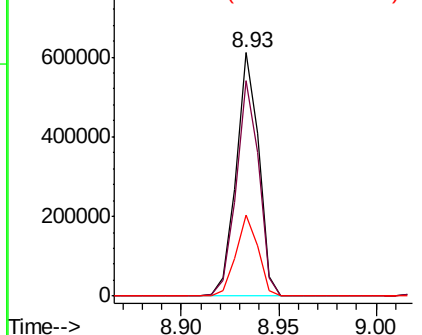
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.5	107.3
115	33.3	28.9	43.3

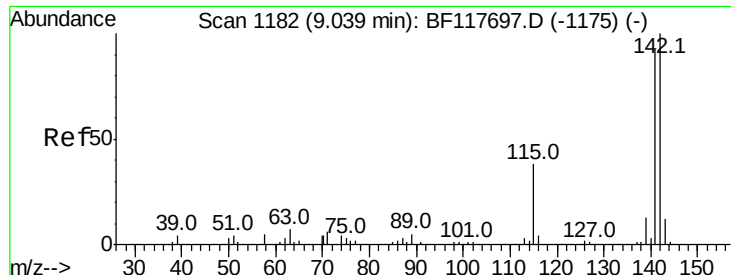
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





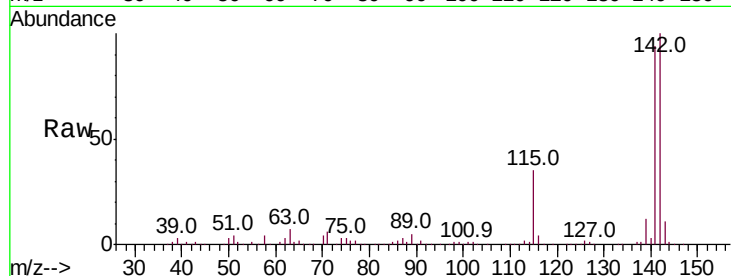
#38
1-Methylnaphthalene
Concen: 10.695 ng
RT: 9.03 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF117722.D
Acq: 7 Nov 2019 23:08

Instrument :
BNA_F
ClientSampleId :
5-A

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.7	73.3	109.9
116	3.6	3.2	4.8

Manual Integrations
APPROVED

Sohil
11/8/2019 3:31:45 PM

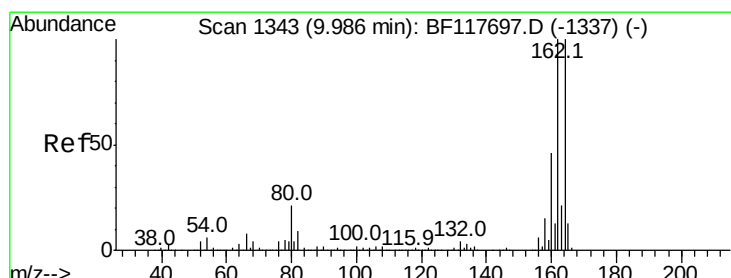
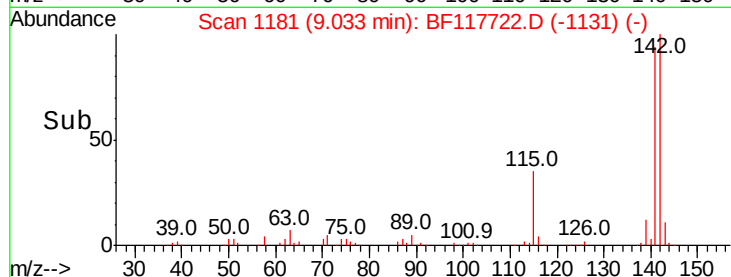
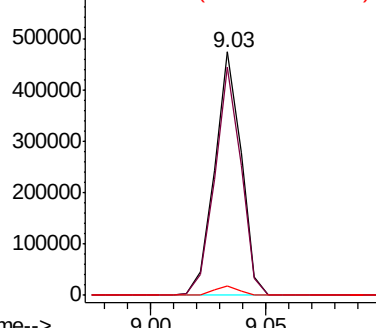


Abundance

Ion 142.00 (141.70 to 142.70): E

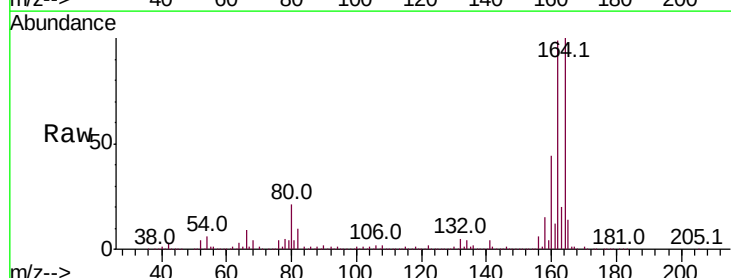
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF117722.D
Acq: 7 Nov 2019 23:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.7	119.5
160	44.4	36.5	54.7

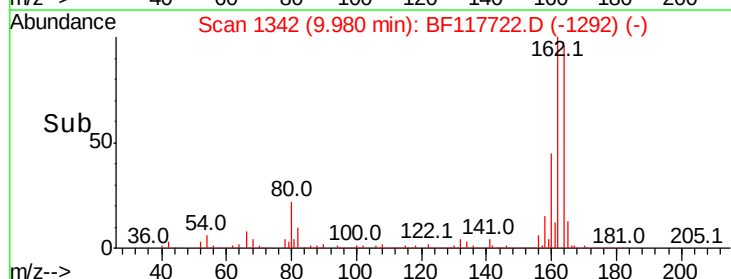
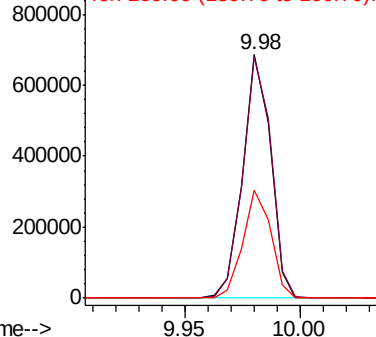


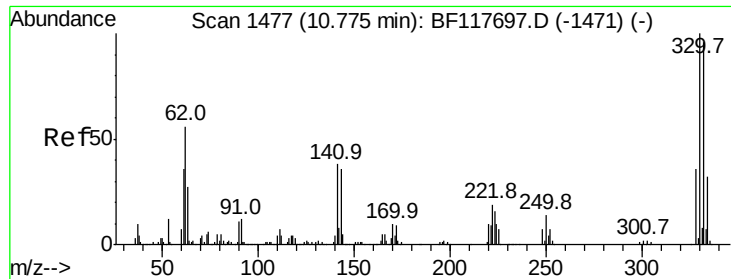
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





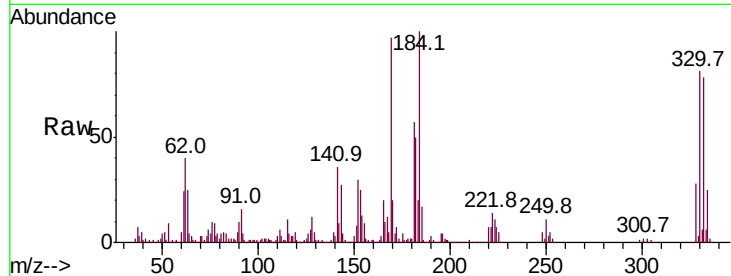
#42
 2,4,6-Tribromophenol
 Concen: 55.581 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: BF117722.D
 Acq: 7 Nov 2019 23:08

Instrument :
 BNA_F
 ClientSampled :
 5-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	77.4	116.0	
141	63.1	28.0	42.0	

Manual Integrations
 APPROVED

Sohil
 11/8/2019 3:31:45 PM

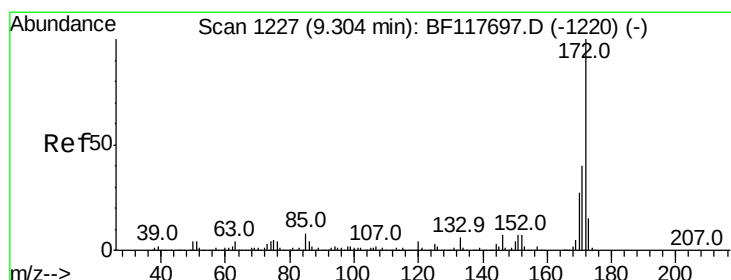
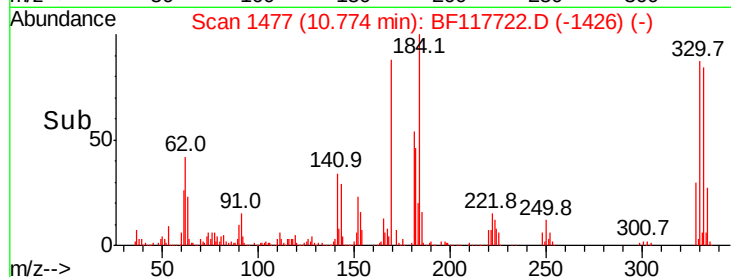
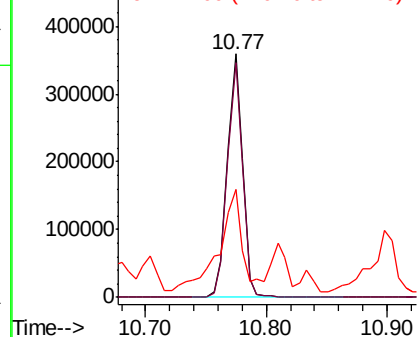


Abundance

Ion 329.80 (329.50 to 330.50): E

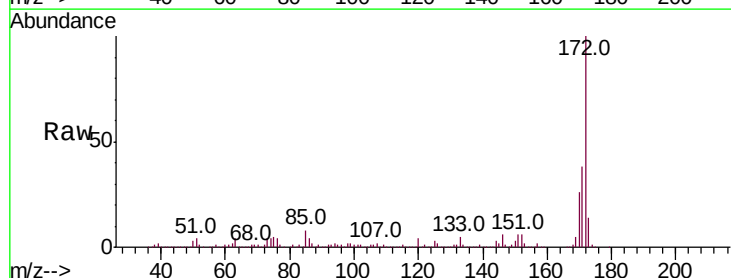
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 76.620 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF117722.D
 Acq: 7 Nov 2019 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	38.0	31.8	47.8	
170	25.6	21.6	32.4	

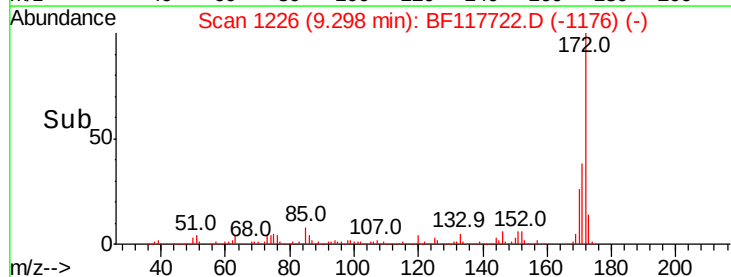
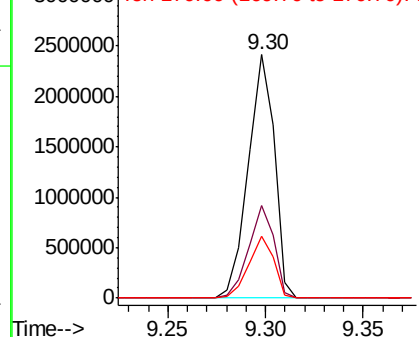


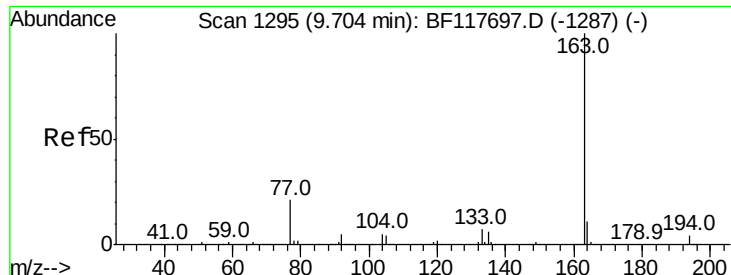
Abundance

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





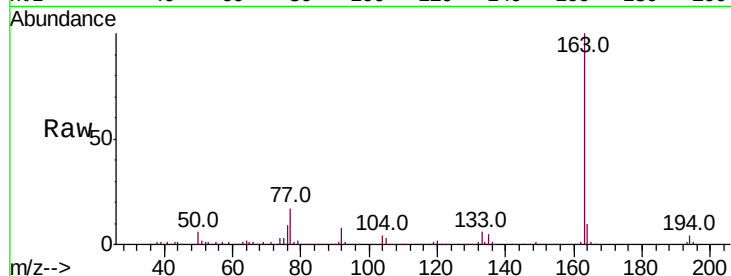
#50
Dimethylphthalate
Concen: 8.076 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF117722.D
Acq: 7 Nov 2019 23:08

Instrument :
BNA_F
ClientSampleId :
5-A

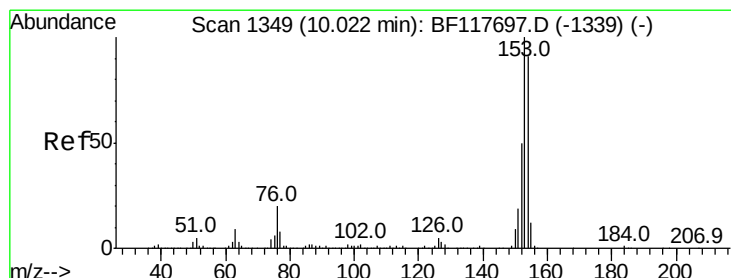
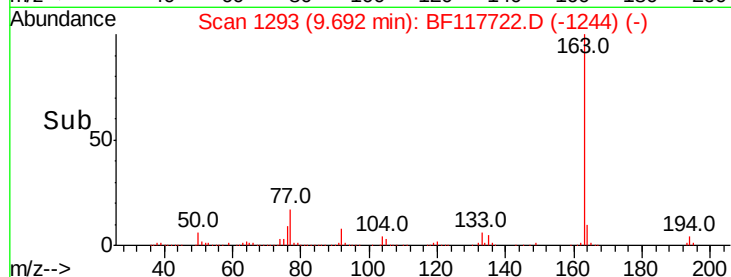
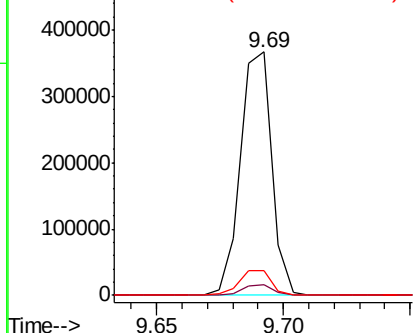
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.3	3.4	5.0	
164	10.2	8.9	13.3	

Manual Integrations
APPROVED

Sohil
11/8/2019 3:31:45 PM

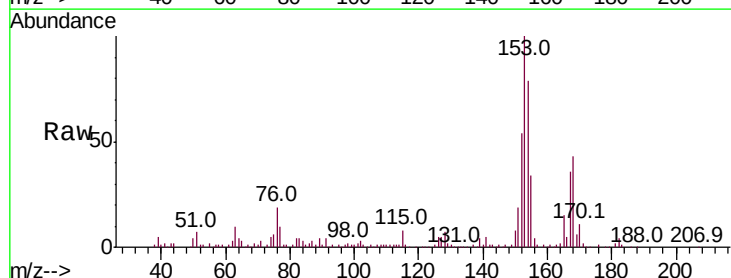


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

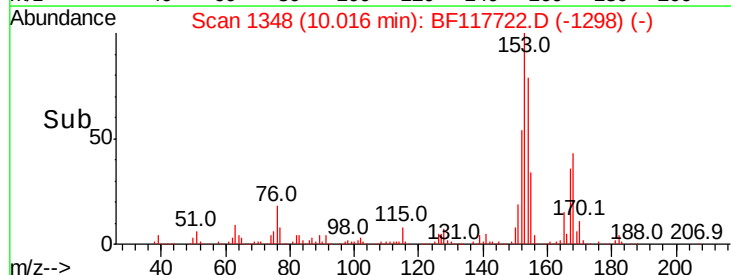
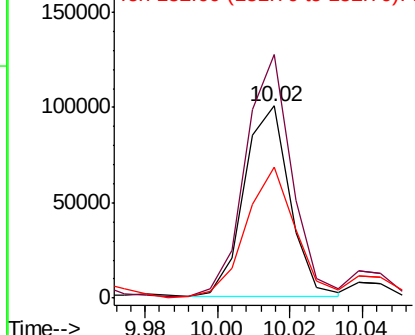


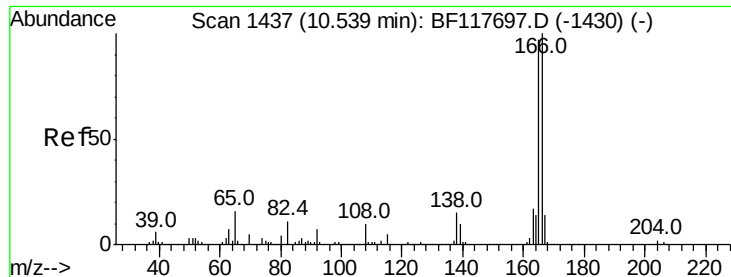
#52
Acenaphthene
Concen: 2.775 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF117722.D
Acq: 7 Nov 2019 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	126.9	87.8	131.6	
152	68.2	43.5	65.3	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#58

Fluorene

Concen: 40.557 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BF117722.D

Acq: 7 Nov 2019 23:08

Instrument :

BNA_F

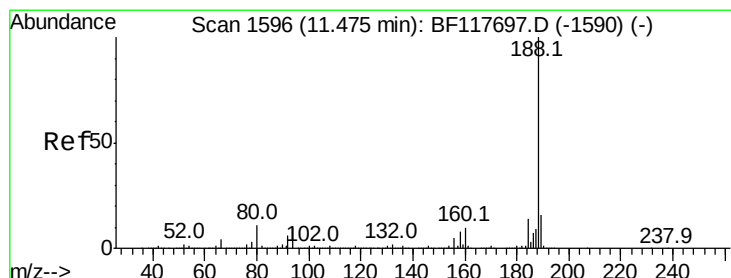
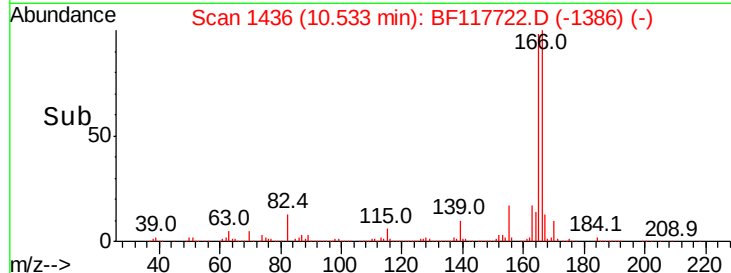
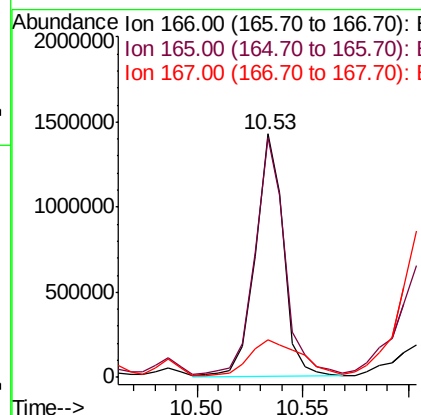
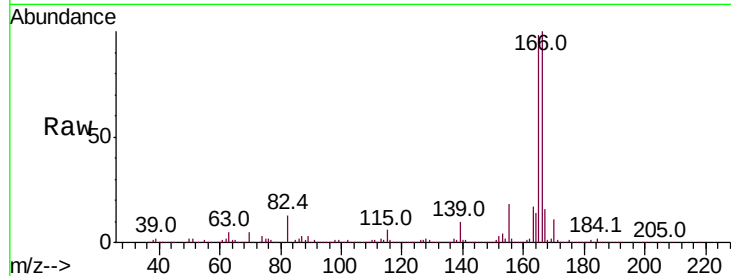
ClientSampled :

5-A

Tot Ion:	166	Resp:	1320619
Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.4	116.0
167	15.7	11.0	16.4

Manual Integrations
APPROVED

Sohil
11/8/2019 3:31:45 PM



#64

Phenanthrene-d10

Concen: 20.000 ng

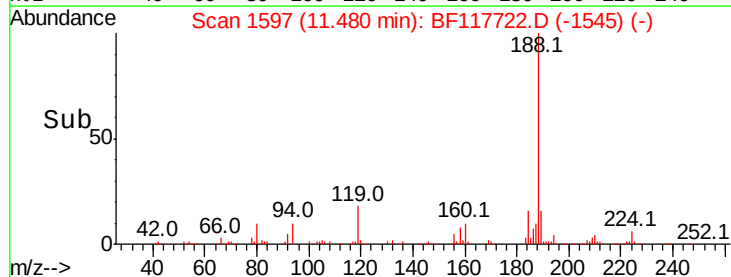
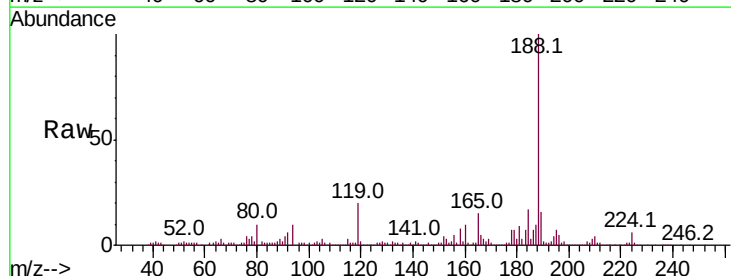
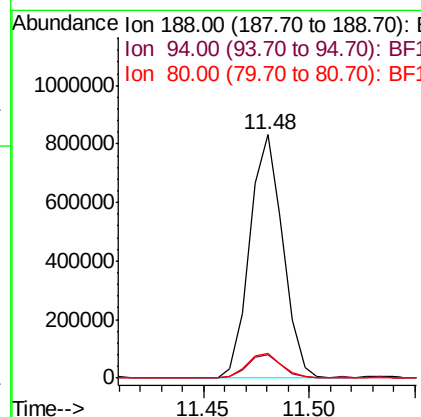
RT: 11.48 min Scan# 1597

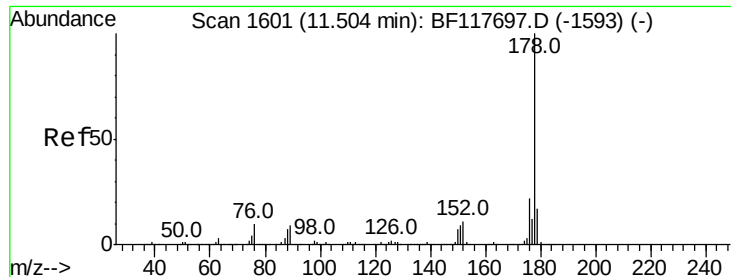
Delta R.T. 0.01 min

Lab File: BF117722.D

Acq: 7 Nov 2019 23:08

Tgt Ion:	188	Resp:	899380
Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.2	12.4
80	10.1	8.6	13.0





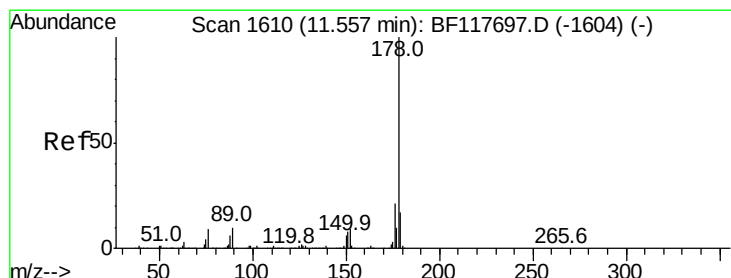
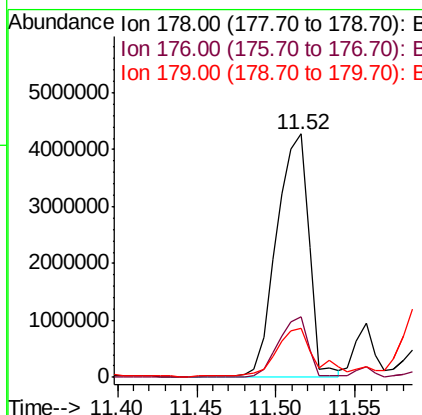
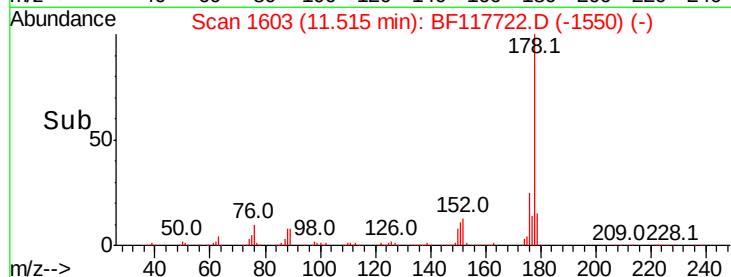
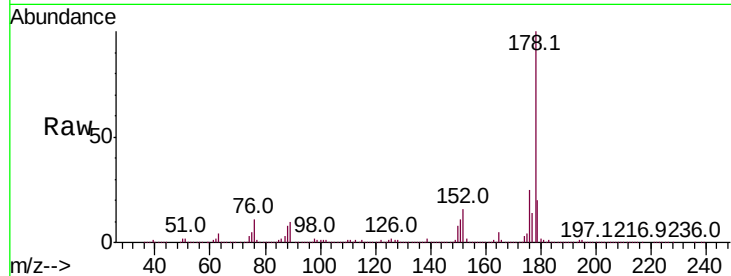
#71
Phenanthrene
Concen: 140.751 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.01 min
Lab File: BF117722.D
Acq: 7 Nov 2019 23:08

Instrument :
BNA_F
ClientSampled :
5-A

Tot Ion:178 Resp: 6067621
Ion Ratio Lower Upper
178 100
176 25.0 17.7 26.5
179 20.2 13.8 20.8

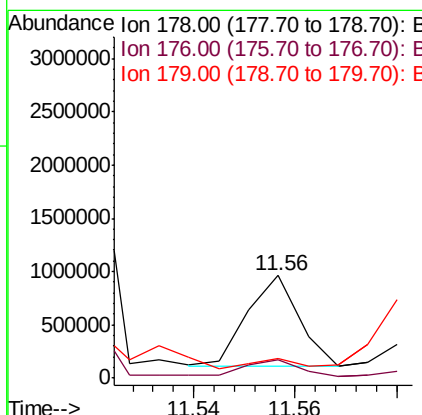
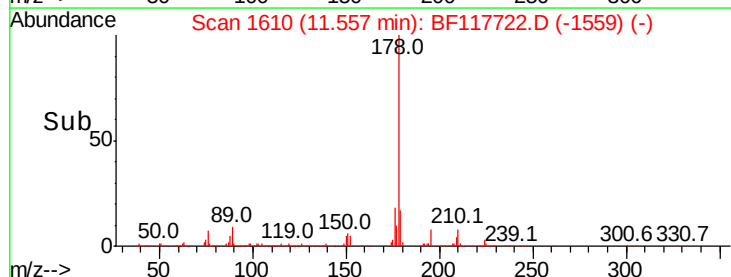
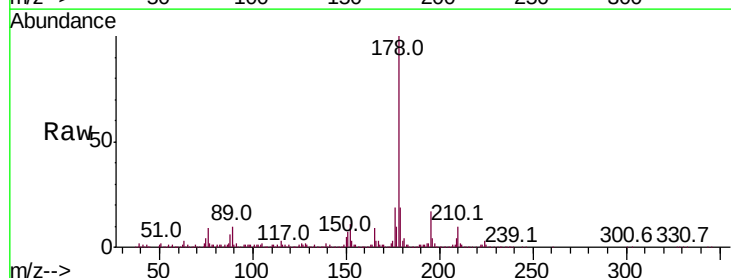
Manual Integrations
APPROVED

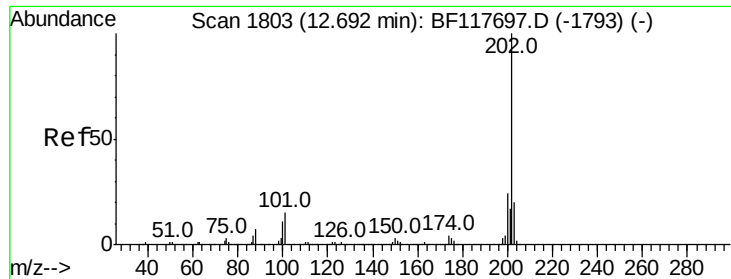
Sohil
11/8/2019 3:31:45 PM



#72
Anthracene
Concen: 14.038 ng
RT: 11.56 min Scan# 1610
Delta R.T. -0.00 min
Lab File: BF117722.D
Acq: 7 Nov 2019 23:08

Tgt Ion:178 Resp: 602086
Ion Ratio Lower Upper
178 100
176 18.5 16.6 25.0
179 18.8 13.5 20.3





#75

Fluoranthene

Concen: 31.622 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.01 min

Lab File: BF117722.D

Acq: 7 Nov 2019 23:08

Instrument :

BNA_F

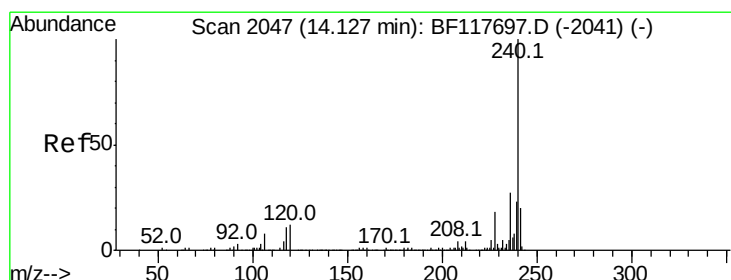
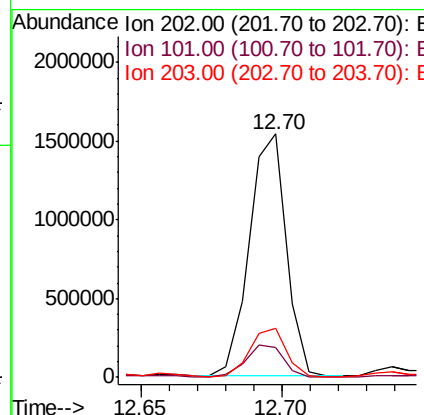
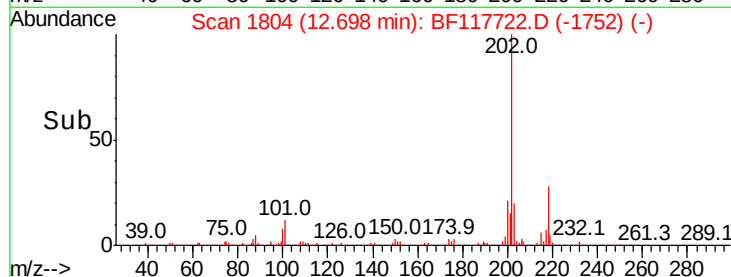
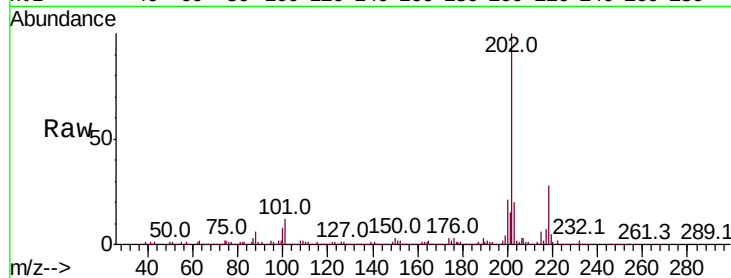
ClientSampleId :

5-A

Tot Ion:	202	Resp:	1391953
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.5
203	20.3	0.0	39.8

Manual Integrations
APPROVED

Sohil
11/8/2019 3:31:45 PM



#76

Chrysene-d12

Concen: 20.000 ng

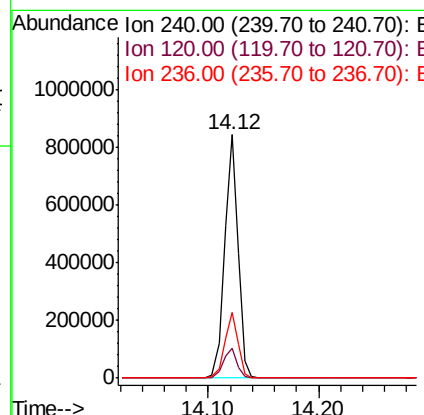
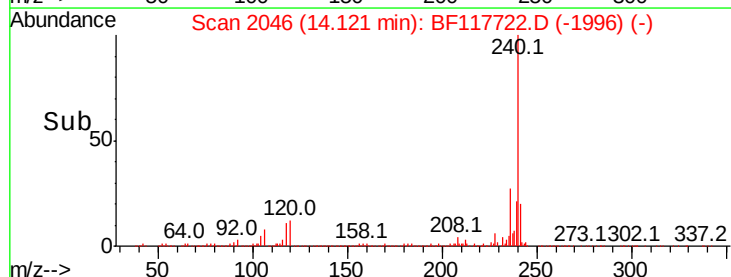
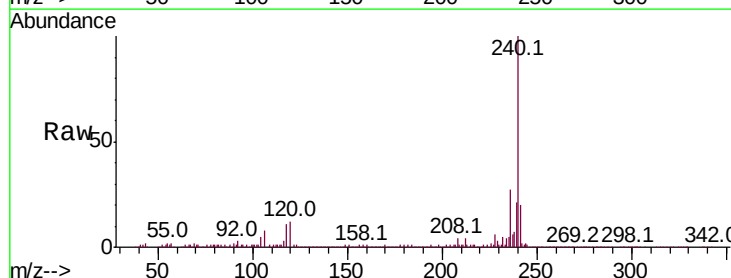
RT: 14.12 min Scan# 2046

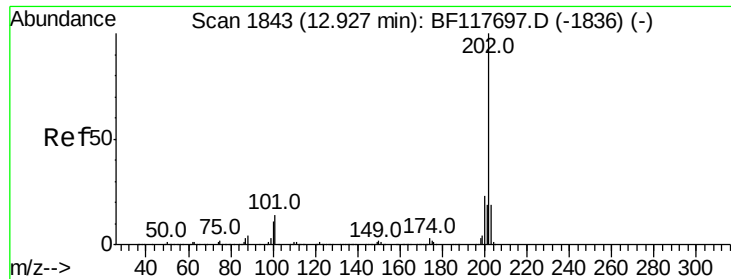
Delta R.T. -0.01 min

Lab File: BF117722.D

Acq: 7 Nov 2019 23:08

Tgt Ion:	240	Resp:	709457
Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.7	14.5
236	26.9	21.9	32.9





#78

Pvrene

Concen: 38.016 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BF117722.D

Acq: 7 Nov 2019 23:08

Instrument :

BNA_F

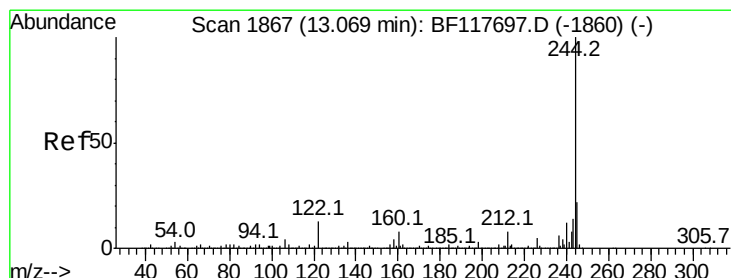
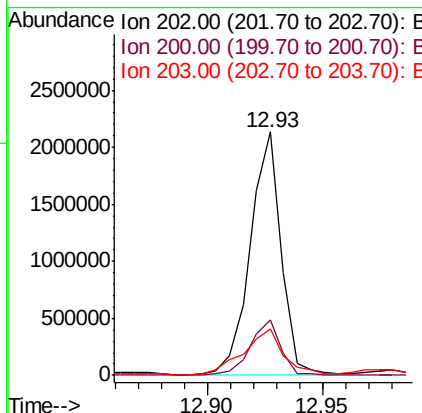
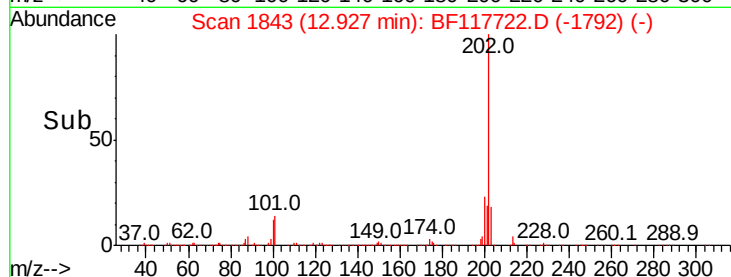
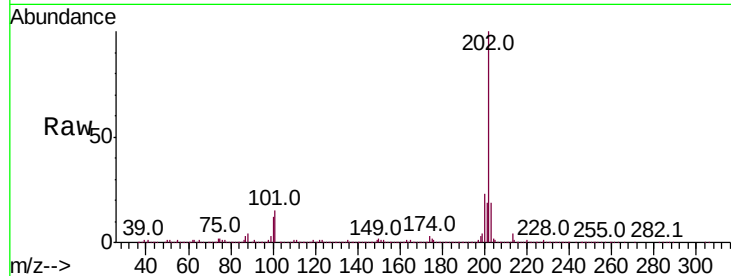
ClientSampled :

5-A

Tot Ion:	202	Resp:	1968851
Ion	Ratio	Lower	Upper
202	100		
200	22.6	18.8	28.2
203	18.8	15.2	22.8

Manual Integrations
APPROVED

Sohil
11/8/2019 3:31:45 PM



#79

Terphenyl-d14

Concen: 55.805 ng

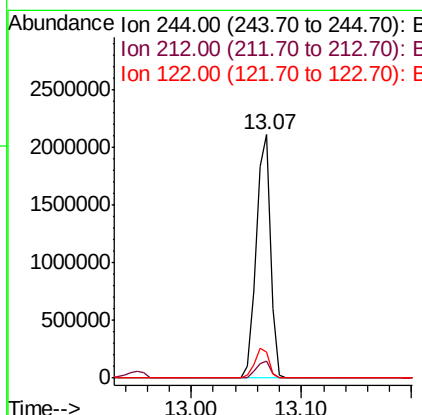
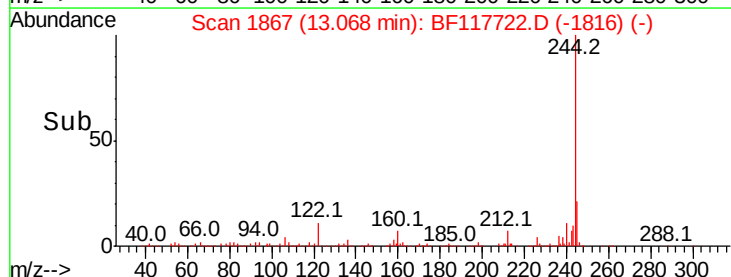
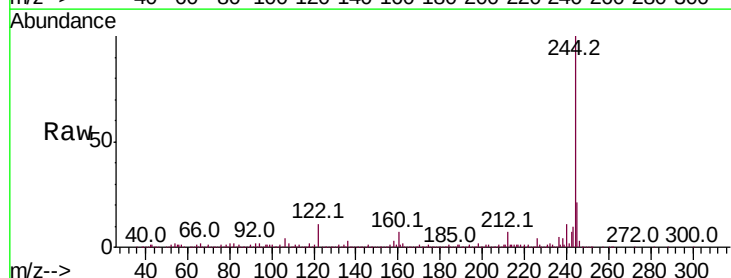
RT: 13.07 min Scan# 1867

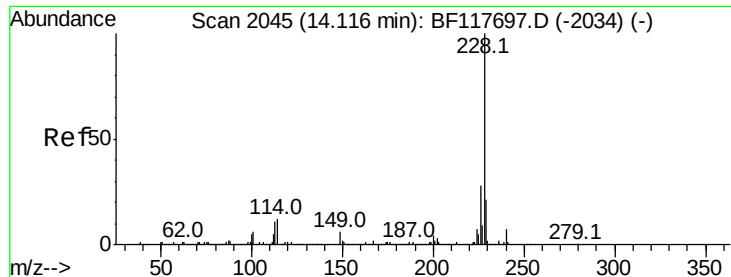
Delta R.T. -0.00 min

Lab File: BF117722.D

Acq: 7 Nov 2019 23:08

Tgt Ion:	244	Resp:	1923214
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.4	9.6
122	10.6	10.0	15.0





#81

Benzo(a)anthracene

Concen: 5.356 ng m

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117722.D

Acq: 7 Nov 2019 23:08

Instrument :

BNA_F

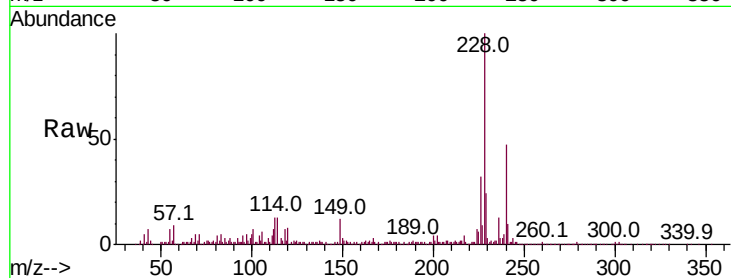
ClientSampled :

5-A

Tot Ion:	228	Resp:	236525
Ion Ratio	Lower	Upper	
228	100		
226	31.7	22.8	34.2
229	24.2	16.9	25.3

Manual Integrations
APPROVED

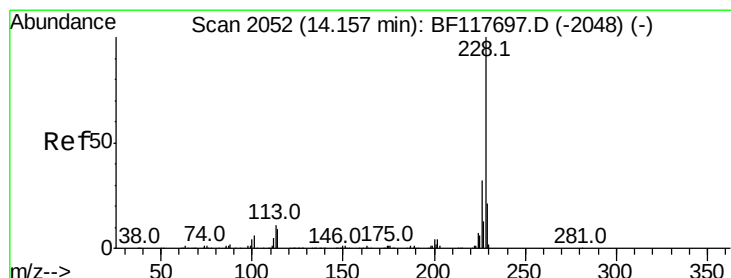
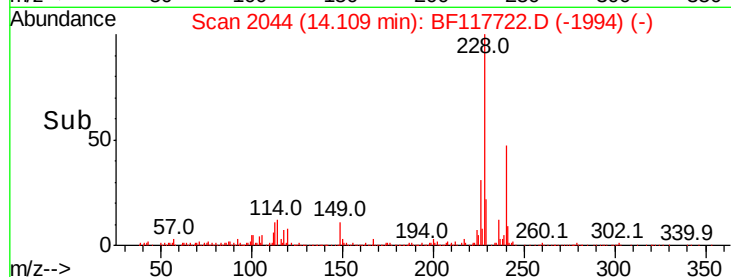
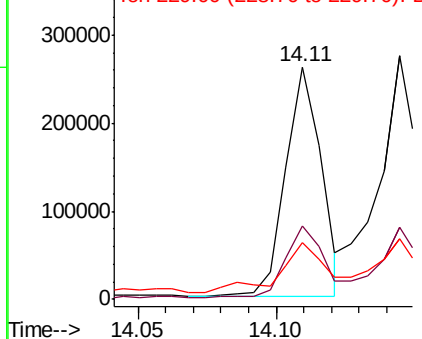
Sohil
11/8/2019 3:31:45 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 6.285 ng m

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF117722.D

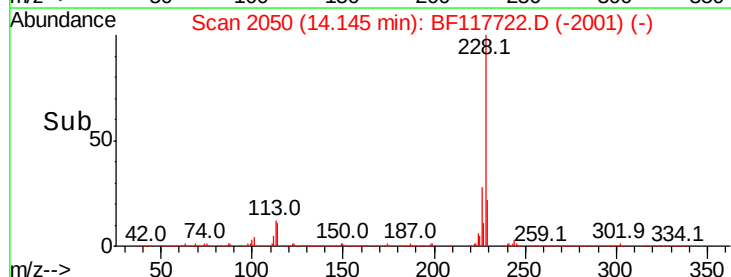
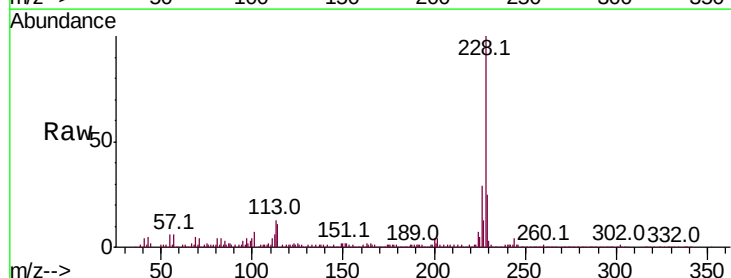
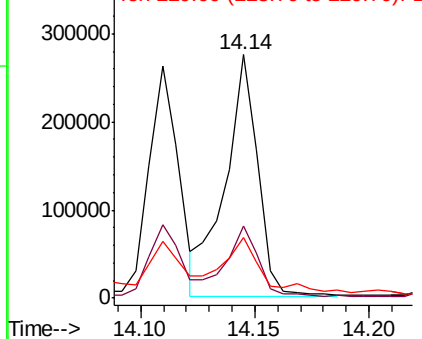
Acq: 7 Nov 2019 23:08

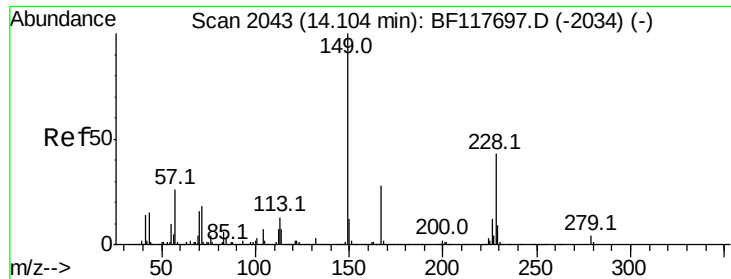
Tgt Ion:	228	Resp:	274108
Ion Ratio	Lower	Upper	
228	100		
226	29.4	25.4	38.2
229	24.7	16.6	24.8

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.720 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.00 min

Lab File: BF117722.D

Acq: 7 Nov 2019 23:08

Instrument :

BNA_F

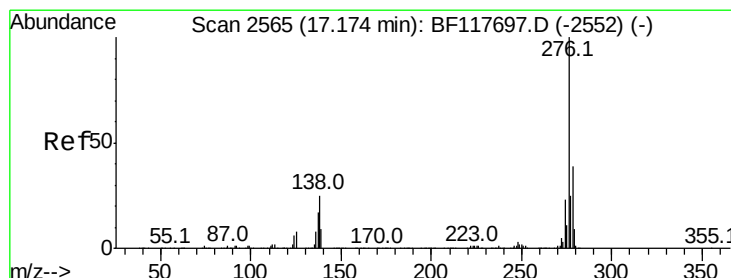
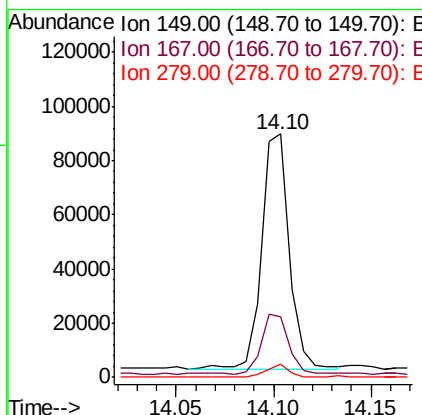
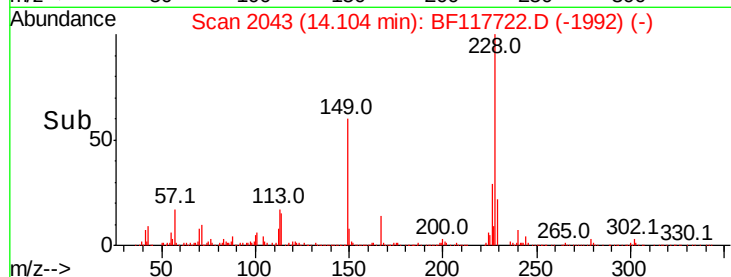
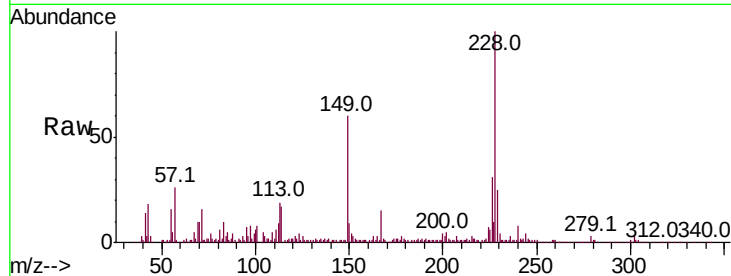
ClientSampled :

5-A

Tot Ion:	149	Resp:	83921
Ion Ratio	Lower	Upper	
149	100		
167	24.7	22.2	33.2
279	5.2	3.4	5.2#

Manual Integrations
APPROVED

Sohil
11/8/2019 3:31:45 PM



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.559 ng

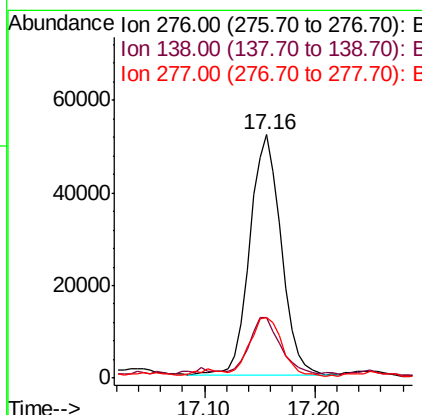
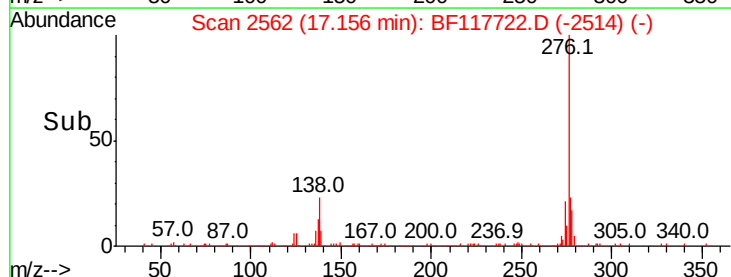
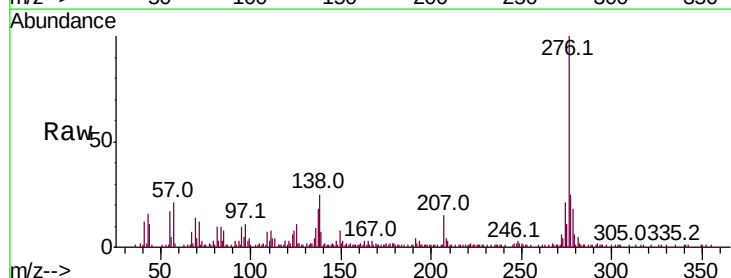
RT: 17.16 min Scan# 2562

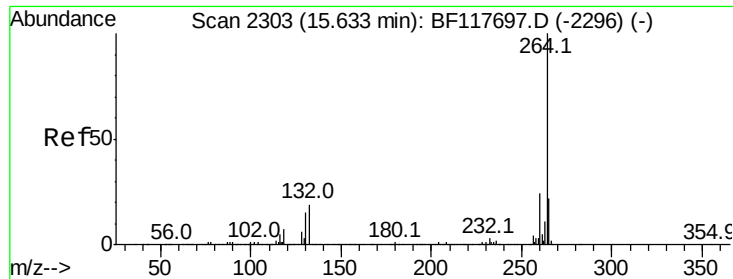
Delta R.T. -0.02 min

Lab File: BF117722.D

Acq: 7 Nov 2019 23:08

Tgt Ion:	276	Resp:	103886
Ion Ratio	Lower	Upper	
276	100		
138	23.6	22.4	33.6
277	24.8	20.6	30.8





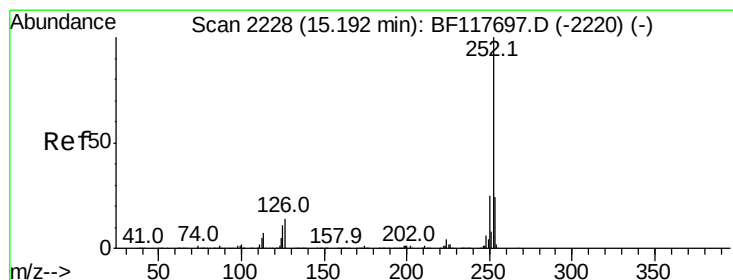
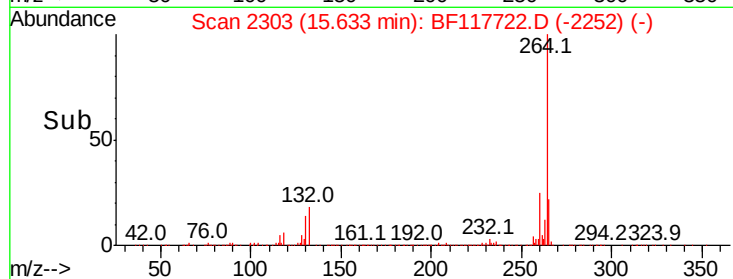
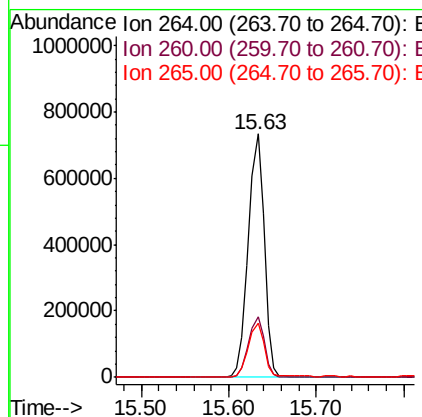
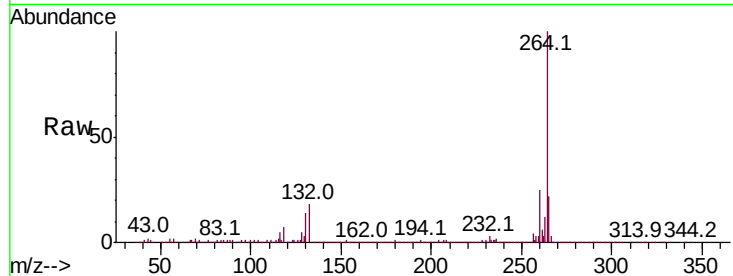
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BF117722.D
Acq: 7 Nov 2019 23:08

Instrument :
BNA_F
ClientSampled :
5-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.8	28.2
265	22.1	17.7	26.5

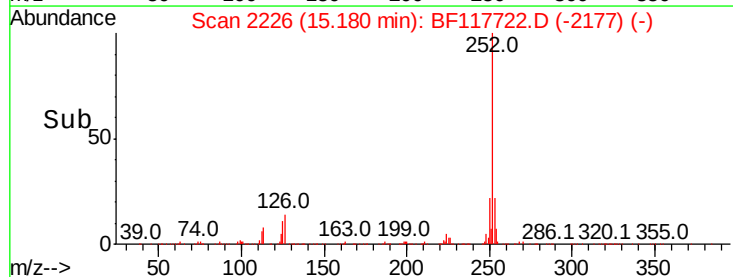
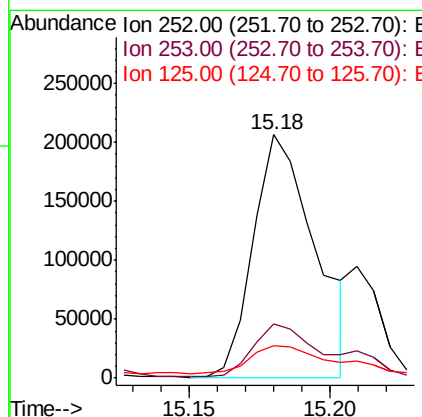
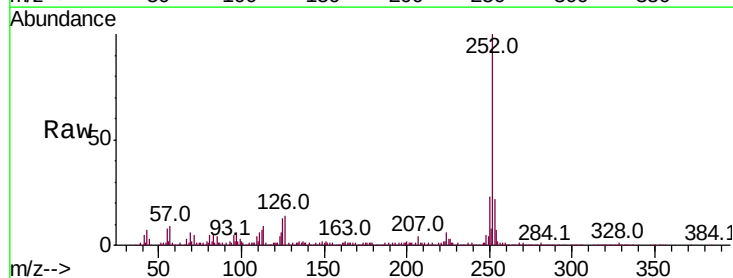
Manual Integrations
APPROVED

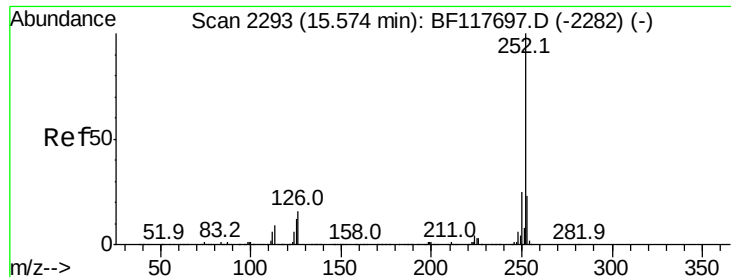
Sohil
11/8/2019 3:31:45 PM



#88
Benzo(b)fluoranthene
Concen: 5.508 ng m
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF117722.D
Acq: 7 Nov 2019 23:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.9	28.3
125	13.3	8.5	12.7#





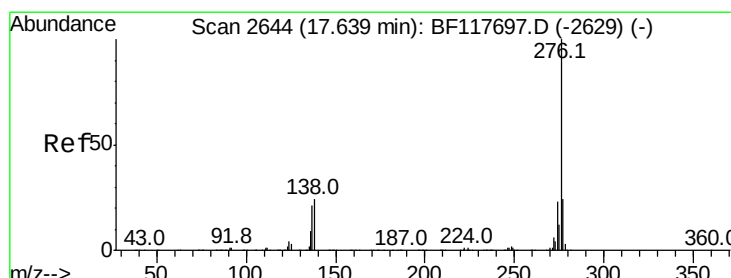
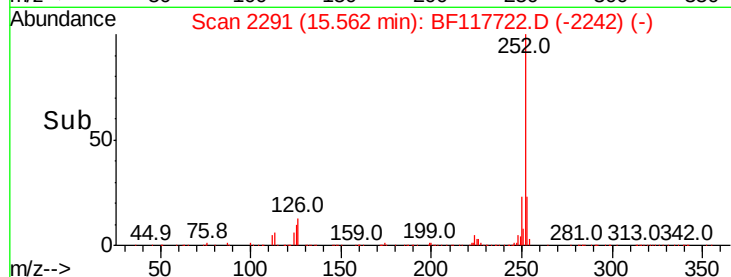
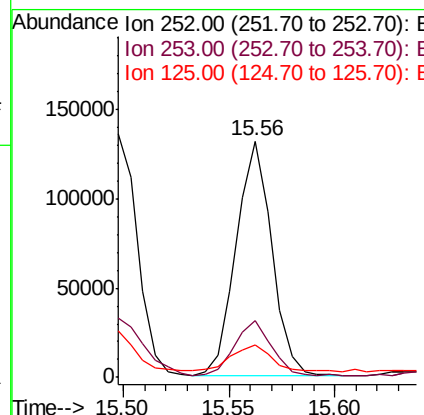
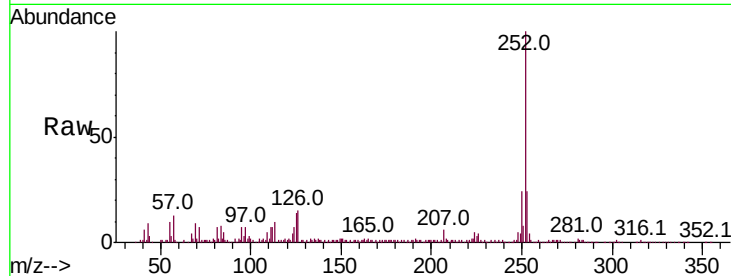
#90
Benzo(a)pyrene
Concen: 3.141 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF117722.D
Acq: 7 Nov 2019 23:08

Instrument :
BNA_F
ClientSampleId :
5-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	13.5	9.5	14.3

Manual Integrations
APPROVED

Sohil
11/8/2019 3:31:45 PM



#92
Benzo(g,h,i)perylene
Concen: 2.242 ng
RT: 17.62 min Scan# 2640
Delta R.T. -0.02 min
Lab File: BF117722.D
Acq: 7 Nov 2019 23:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	24.6	19.2	28.8

