

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
 Data File : BF117725.D
 Acq On : 8 Nov 2019 00:28
 Operator : JU
 Sample : K5722-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6-C

Manual Integrations
 APPROVED

Sohil
 11/8/2019 3:31:49 PM

Quant Time: Nov 08 03:47:39 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	300090	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	1171364m	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	587738	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1006191	20.00	ng	0.00
76) Chrysene-d12	14.12	240	733173	20.00	ng	0.00
87) Perylene-d12	15.63	264	907666	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1189342	71.74	ng	0.00
7) Phenol-d6	6.55	99	1571167	76.86	ng	-0.01
23) Nitrobenzene-d5	7.49	82	942585	47.51	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	359717	62.57	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	1822407	61.18	ng	0.00
79) Terphenyl-d14	13.06	244	1720137	48.30	ng	0.00
Target Compounds						
10) Phenol	6.56	94	53886	2.446	ng	97
37) 2-Methylnaphthalene	8.93	142	83840	2.300	ng	96
50) Dimethylphthalate	9.69	163	227077	5.715	ng	98
58) Fluorene	10.53	166	221502	6.691	ng	98
71) Phenanthrene	11.50	178	2317859	48.060	ng	99
72) Anthracene	11.55	178	262941m	5.480	ng	
75) Fluoranthene	12.69	202	893746	18.149	ng	95
78) Pyrene	12.92	202	1353053	25.281	ng	98
81) Benzo(a)anthracene	14.11	228	517394	11.337	ng	100
83) Chrysene	14.15	228	509667	11.309	ng	97
86) Indeno(1,2,3-cd)pyrene	17.16	276	141553	3.375	ng	96
88) Benzo(b)fluoranthene	15.18	252	459014m	8.029	ng	
90) Benzo(a)pyrene	15.56	252	326836	6.595	ng	99
92) Benzo(a,h,i)perylene	17.62	276	144131	3.346	ng	98

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

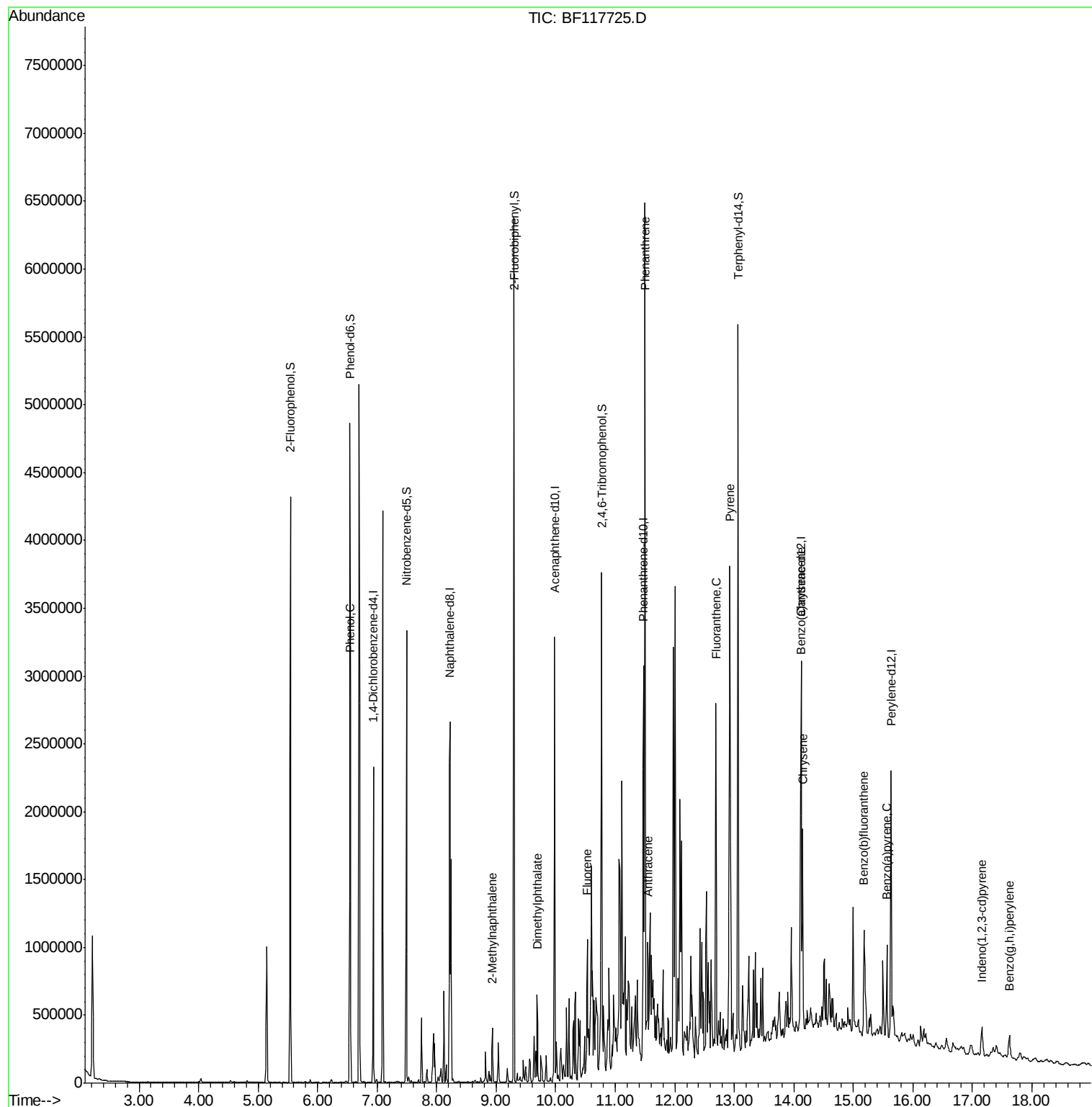
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110719\
Data File : BF117725.D
Acq On : 8 Nov 2019 00:28
Operator : JU
Sample : K5722-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

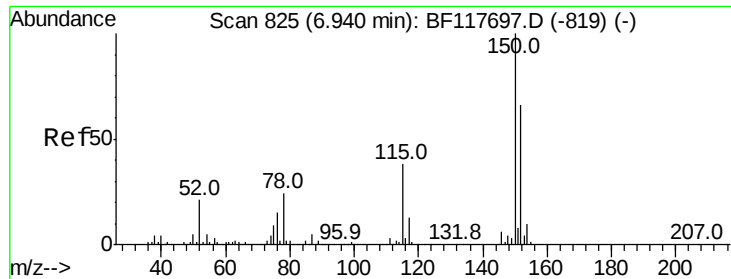
Instrument :
BNA_F
ClientSampleId :
6-C

Manual Integrations
APPROVED

Sohil
11/8/2019 3:31:49 PM

Quant Time: Nov 08 03:47:39 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

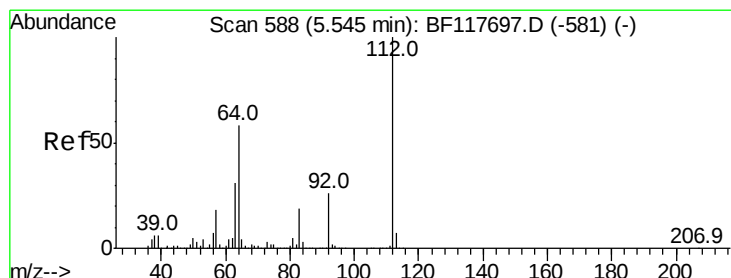
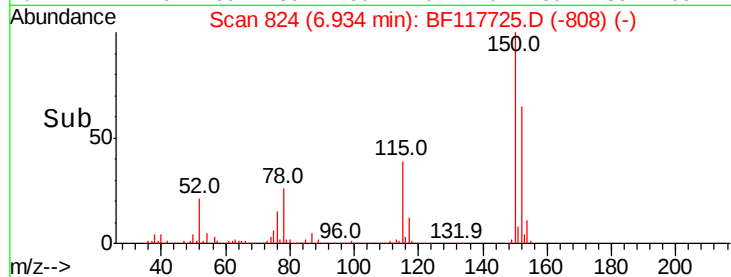
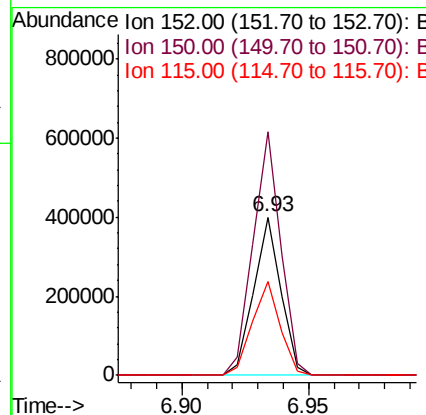
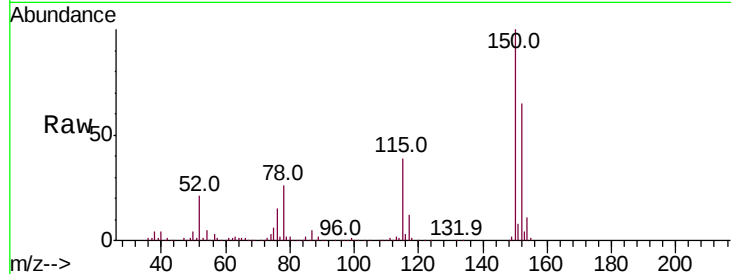
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF117725.D
Acq: 8 Nov 2019 00:28

Instrument :
BNA_F
ClientSampleId :
6-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	121.4	182.2
115	59.7	46.7	70.1

Manual Integrations
APPROVED

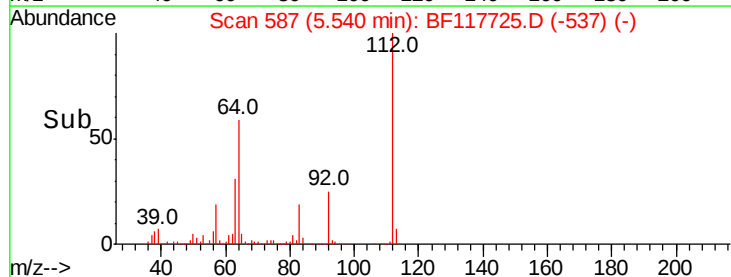
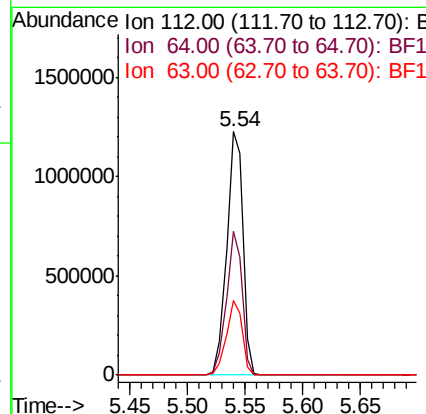
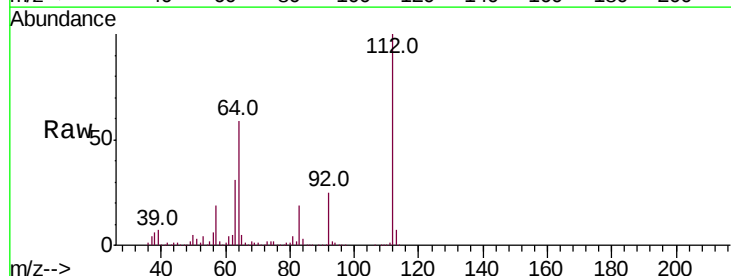
Sohil
11/8/2019 3:31:49 PM

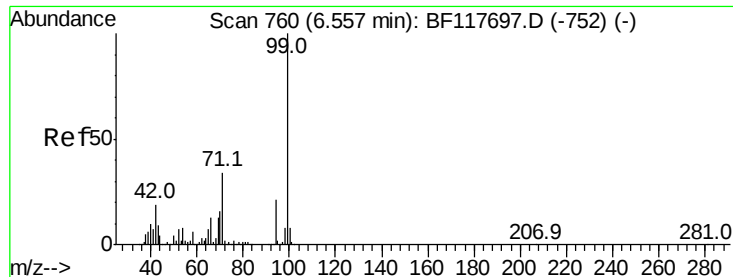


#5

2-Fluorophenol
Concen: 71.741 ng
RT: 5.54 min Scan# 587
Delta R.T. -0.01 min
Lab File: BF117725.D
Acq: 8 Nov 2019 00:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	46.4	69.6
63	30.9	24.6	37.0





#7

Phenol-d6

Concen: 76.862 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117725.D

Acq: 8 Nov 2019 00:28

Instrument :

BNA_F

ClientSampled :

6-C

Tot Ion: 99 Resp: 1571167

Ion Ratio Lower Upper

99 100

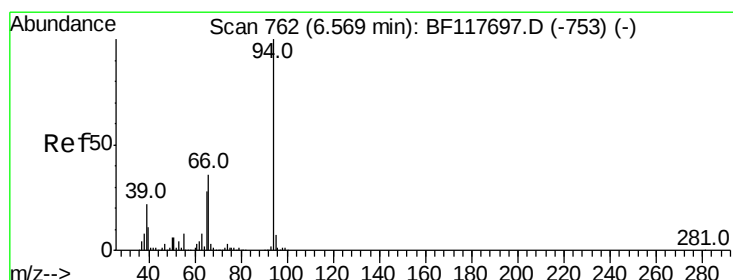
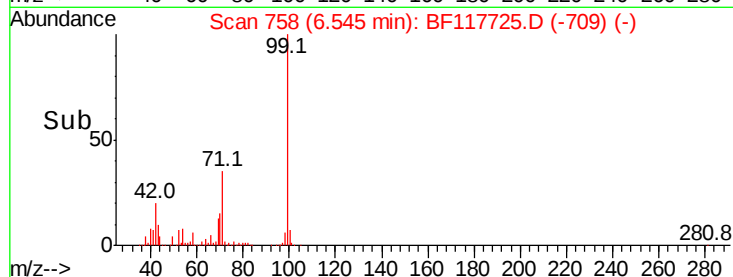
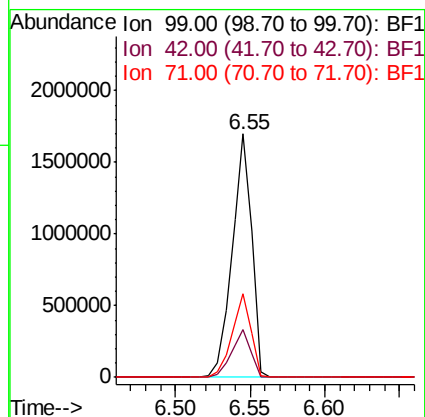
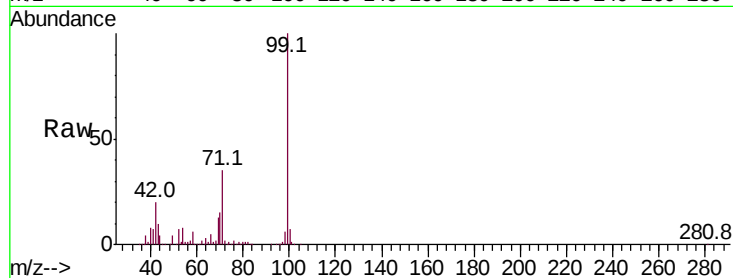
42 19.7 15.3 22.9

71 34.6 26.8 40.2

Manual Integrations
APPROVED

Sohil

11/8/2019 3:31:49 PM



#10

Phenol

Concen: 2.446 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117725.D

Acq: 8 Nov 2019 00:28

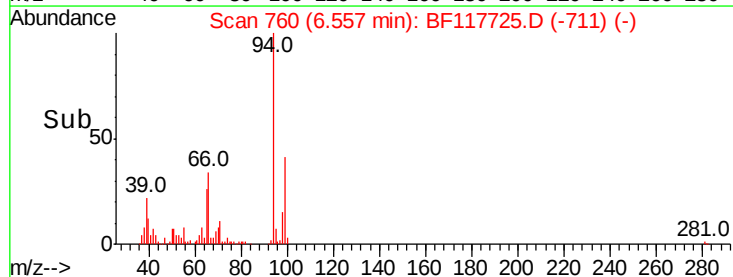
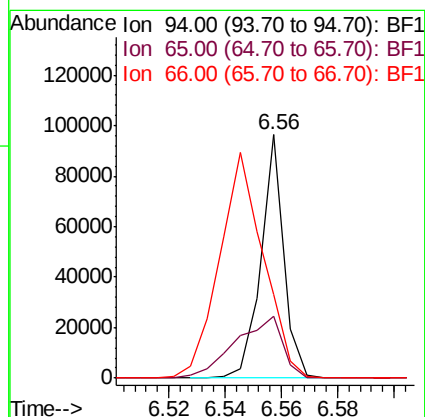
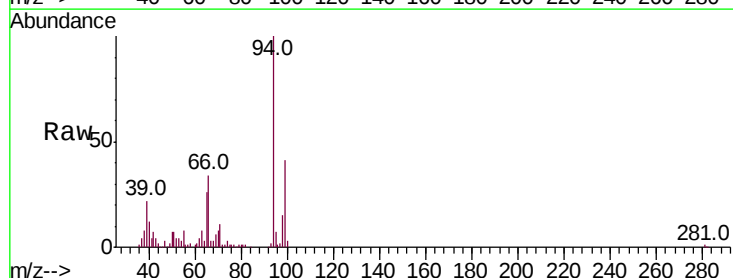
Tgt Ion: 94 Resp: 53886

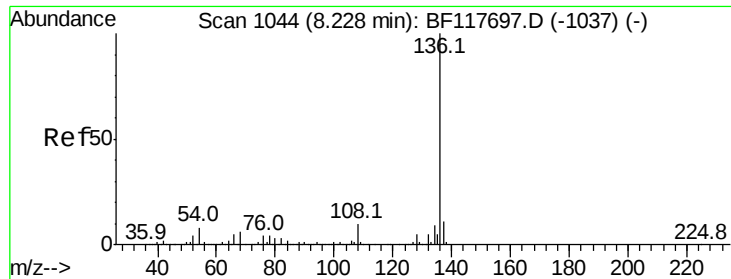
Ion Ratio Lower Upper

94 100

65 25.5 7.6 47.6

66 34.5 16.1 56.1





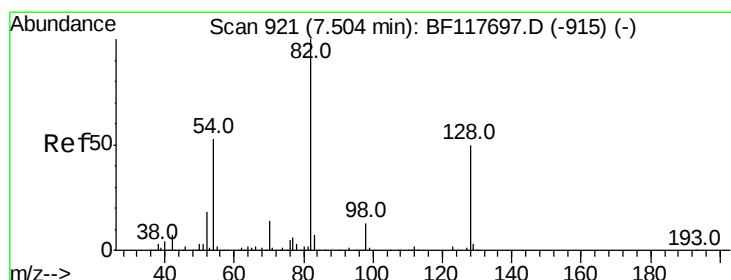
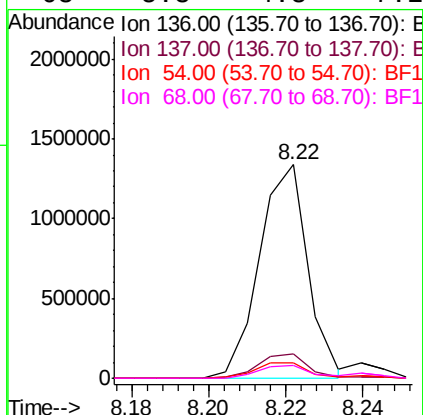
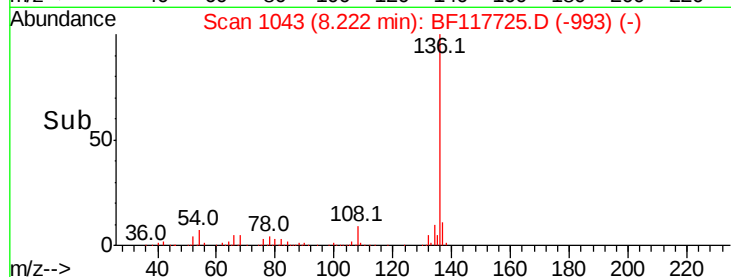
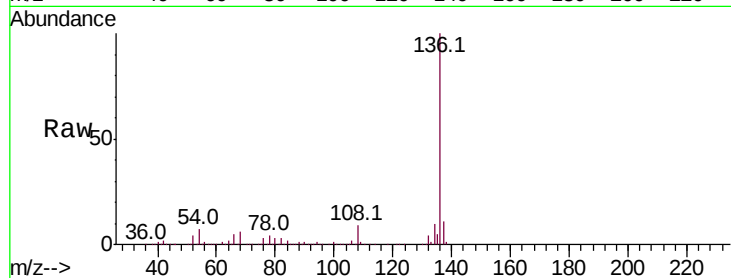
#21
Naphthalene-d8
Concen: 20.000 ng m
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF117725.D
Acq: 8 Nov 2019 00:28

Instrument :
BNA_F
ClientSampleId :
6-C

Tot Ion	136	Resp	1171364
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.3	6.0	9.0
68	5.8	4.8	7.2

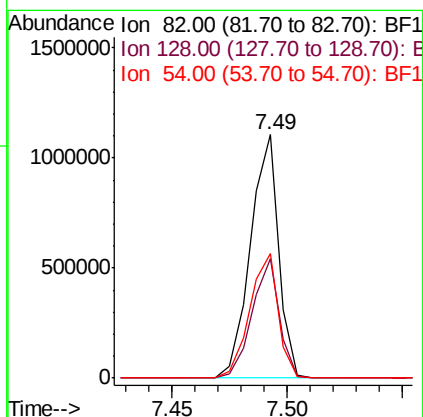
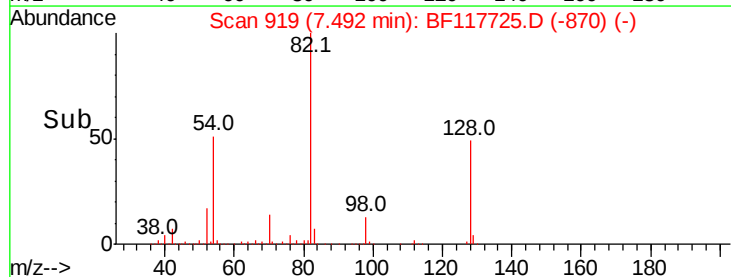
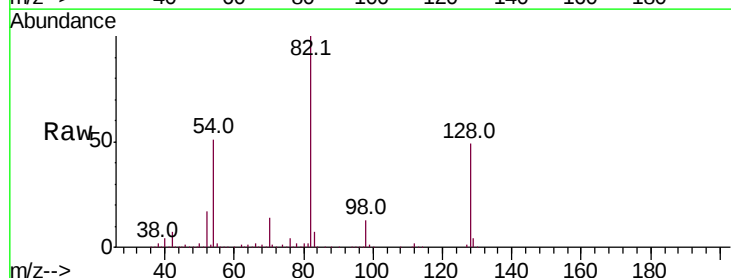
Manual Integrations
APPROVED

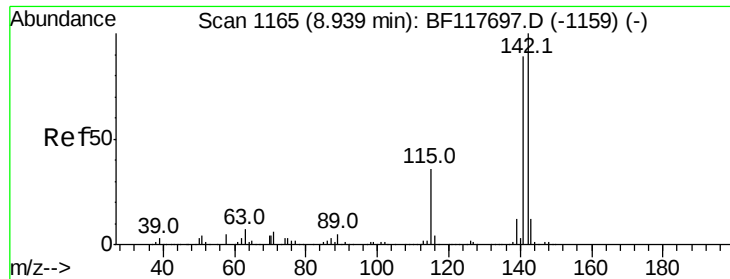
Sohil
11/8/2019 3:31:49 PM



#23
Nitrobenzene-d5
Concen: 47.508 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF117725.D
Acq: 8 Nov 2019 00:28

Tgt Ion	82	Resp	942585
Ion	Ratio	Lower	Upper
82	100		
128	49.3	40.2	60.2
54	51.2	42.0	63.0





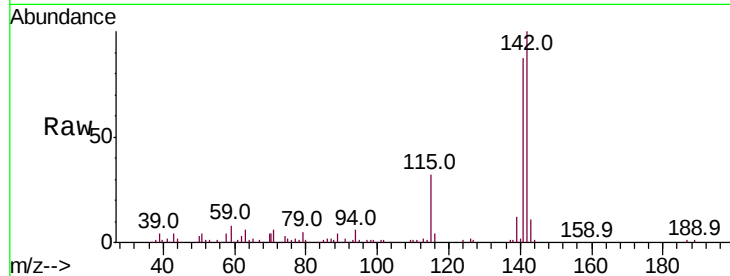
#37
2-Methylnaphthalene
Concen: 2.300 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF117725.D
Acq: 8 Nov 2019 00:28

Instrument :
BNA_F
ClientSampled :
6-C

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.5	107.3
115	32.1	28.9	43.3

Manual Integrations
APPROVED

Sohil
11/8/2019 3:31:49 PM

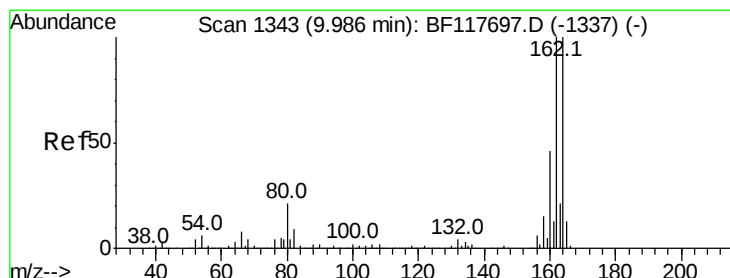
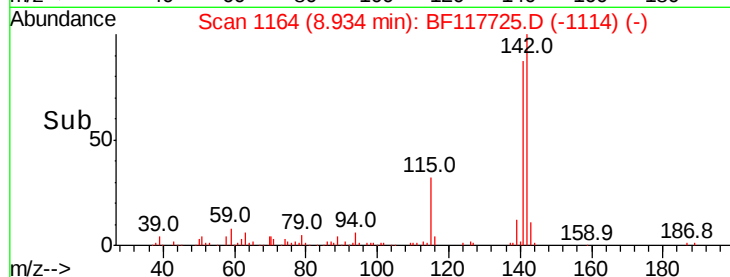
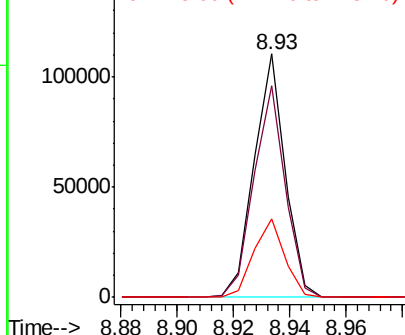


Abundance

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



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF117725.D
Acq: 8 Nov 2019 00:28

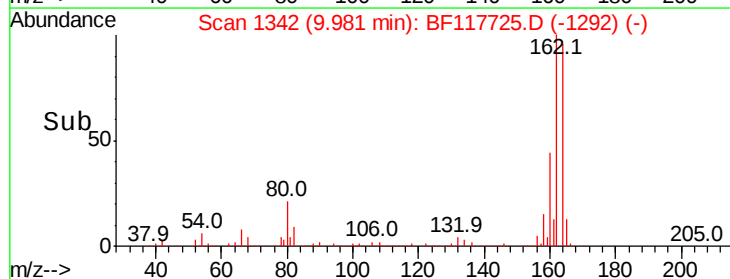
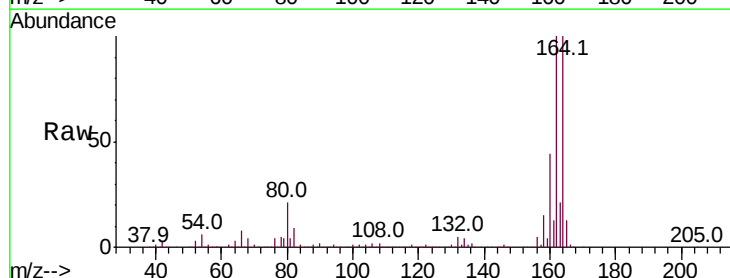
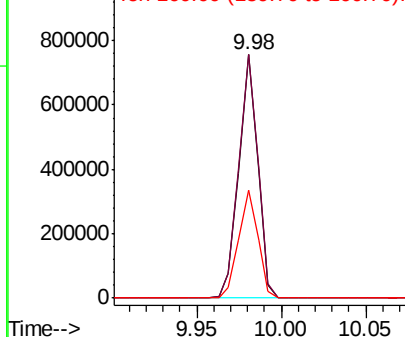
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.7	119.5
160	44.3	36.5	54.7

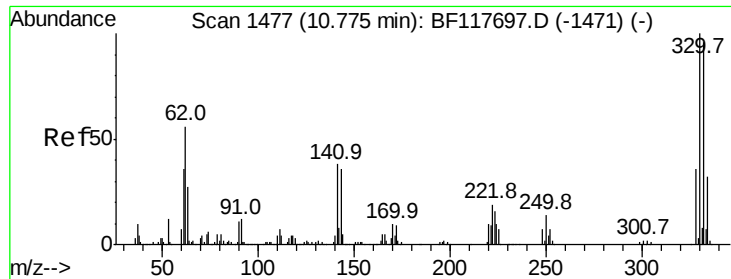
Abundance

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





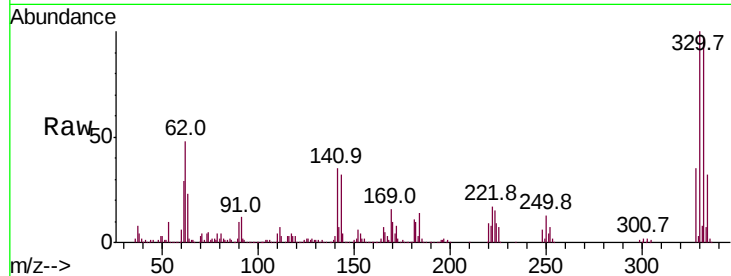
#42
 2,4,6-Tribromophenol
 Concen: 62.566 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF117725.D
 Acq: 8 Nov 2019 00:28

Instrument :
 BNA_F
 ClientSampled :
 6-C

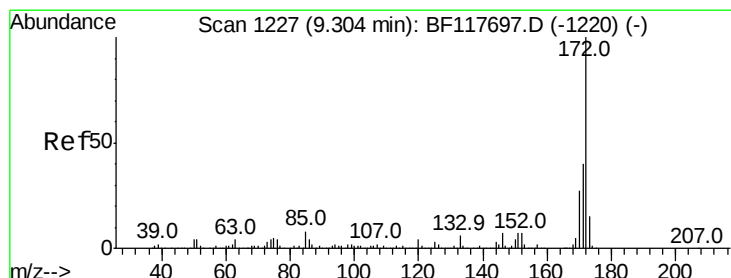
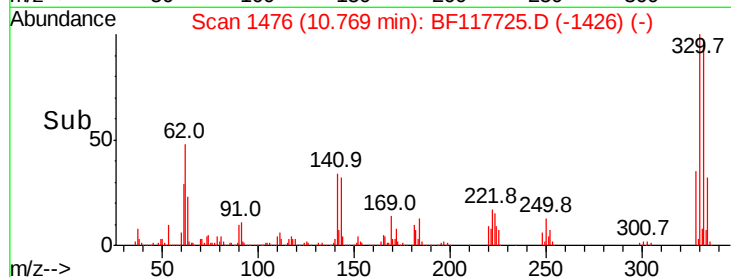
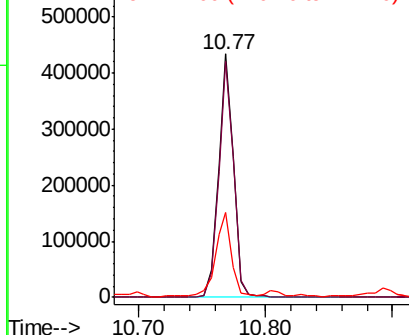
Tot Ion	Ratio	Resp	Lower	Upper
330	100	359717		
332	97.2	77.4	116.0	
141	37.2	28.0	42.0	

Manual Integrations
 APPROVED

Sohil
 11/8/2019 3:31:49 PM

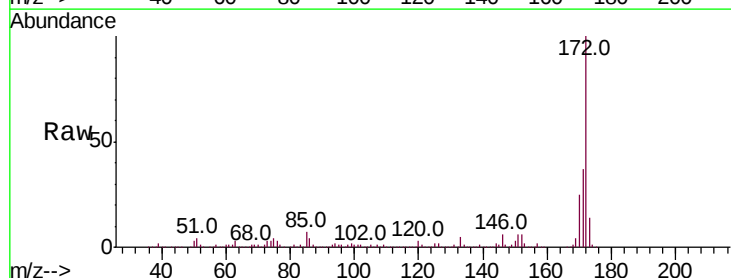


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

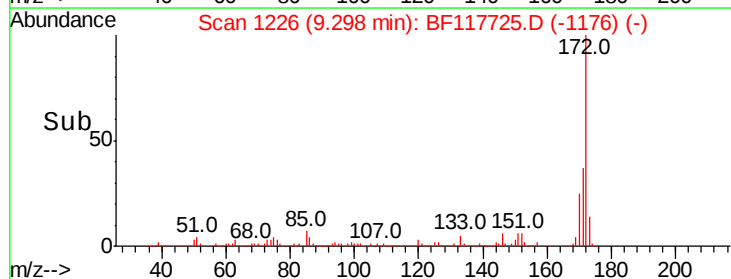
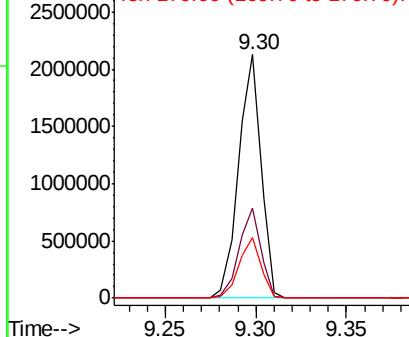


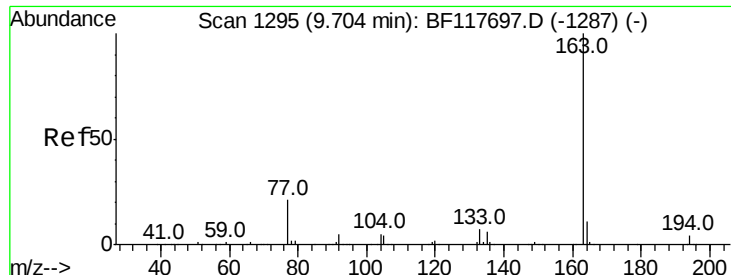
#45
 2-Fluorobiphenyl
 Concen: 61.177 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF117725.D
 Acq: 8 Nov 2019 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1822407		
171	37.0	31.8	47.8	
170	25.1	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





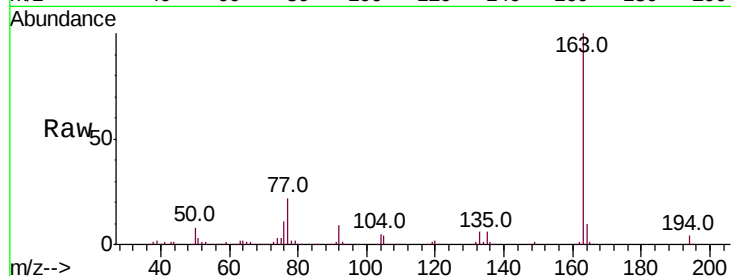
#50
Dimethylphthalate
Concen: 5.715 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117725.D
Acq: 8 Nov 2019 00:28

Instrument :
BNA_F
ClientSampleId :
6-C

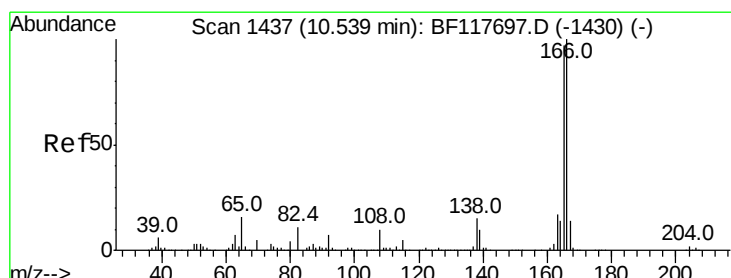
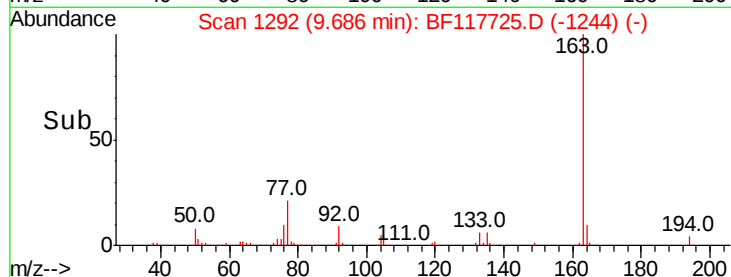
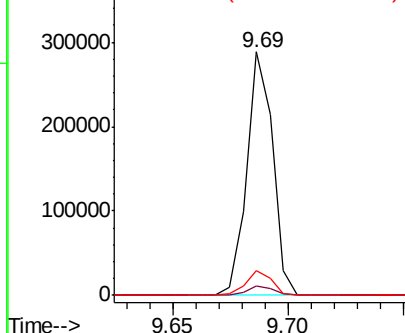
Tot Ion	Ratio	Resp	Lower	Upper
163	100	227077		
194	4.0		3.4	5.0
164	10.2		8.9	13.3

Manual Integrations
APPROVED

Sohil
11/8/2019 3:31:49 PM

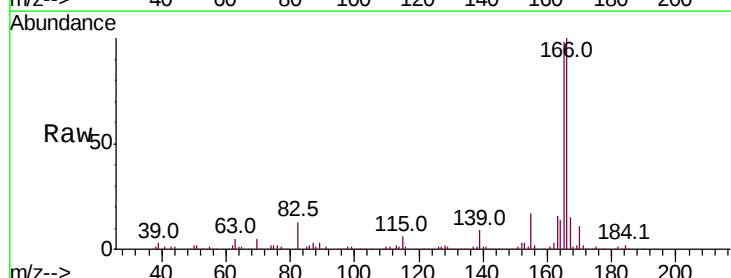


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

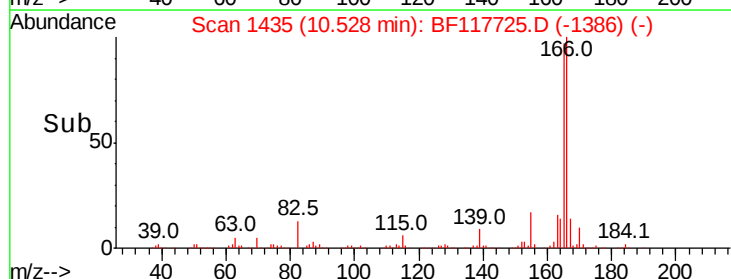
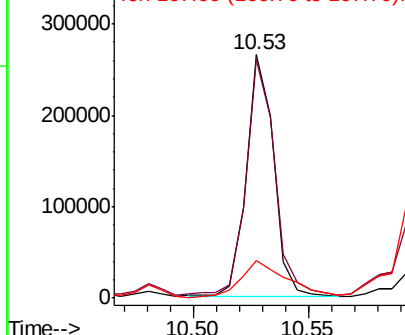


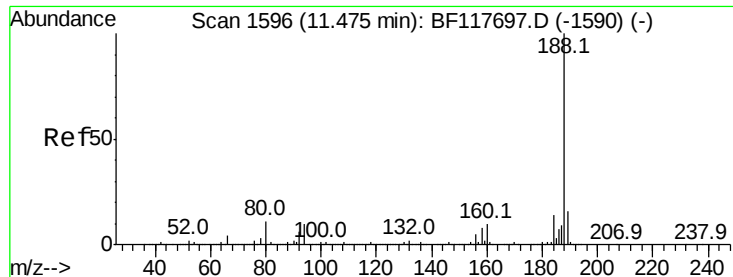
#58
Fluorene
Concen: 6.691 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF117725.D
Acq: 8 Nov 2019 00:28

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	221502		
165	97.8		77.4	116.0
167	15.5		11.0	16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





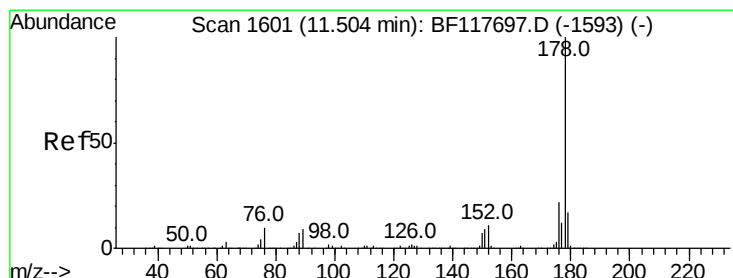
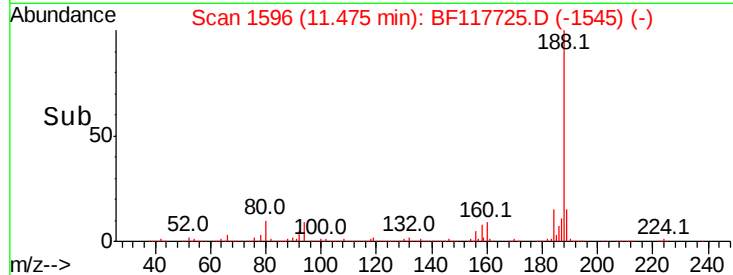
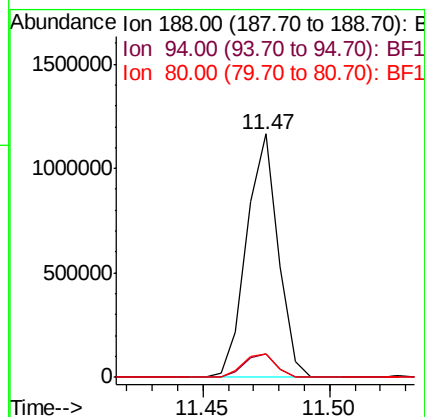
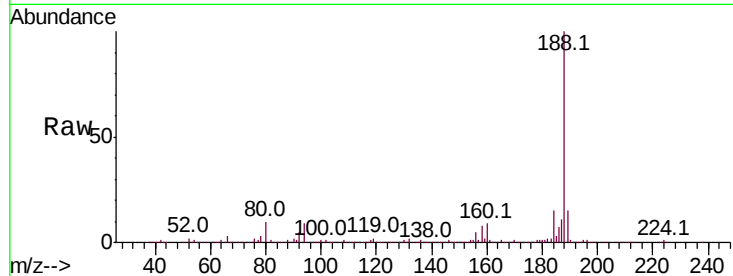
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. 0.00 min
Lab File: BF117725.D
Acq: 8 Nov 2019 00:28

Instrument :
BNA_F
ClientSampleId :
6-C

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.2	12.4
80	9.6	8.6	13.0

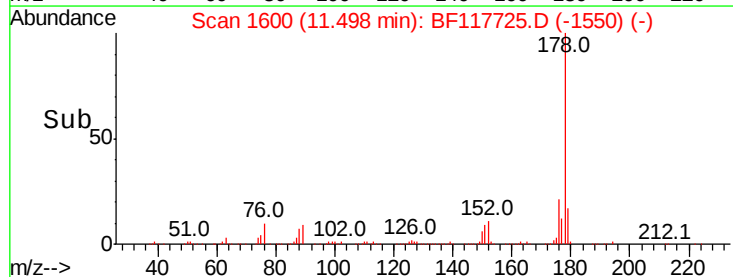
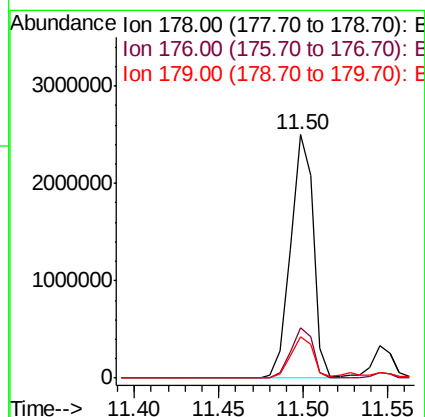
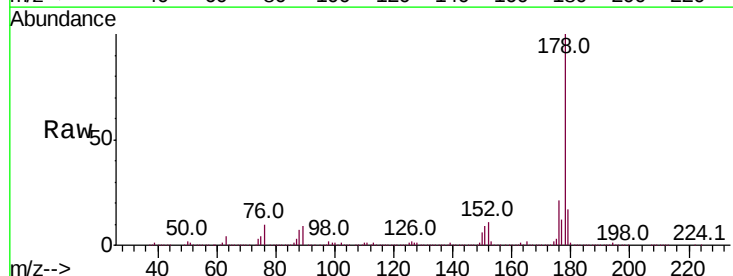
Manual Integrations
APPROVED

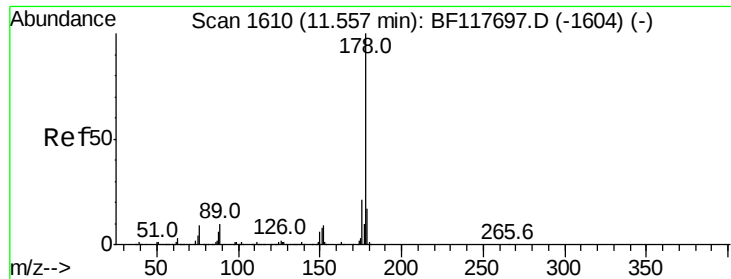
Sohil
11/8/2019 3:31:49 PM



#71
Phenanthrene
Concen: 48.060 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF117725.D
Acq: 8 Nov 2019 00:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.9	17.7	26.5
179	17.3	13.8	20.8





#72

Anthracene

Concen: 5.480 ng

RT: 11.55 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF117725.D

Acq: 8 Nov 2019 00:28

Instrument :

BNA_F

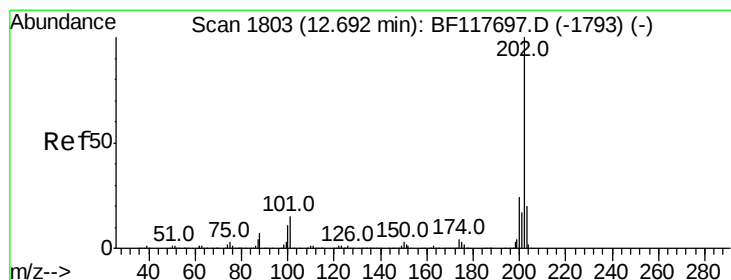
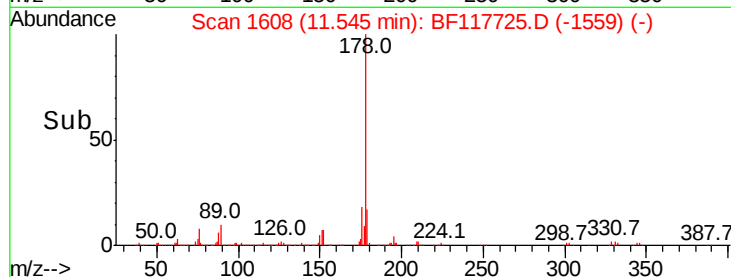
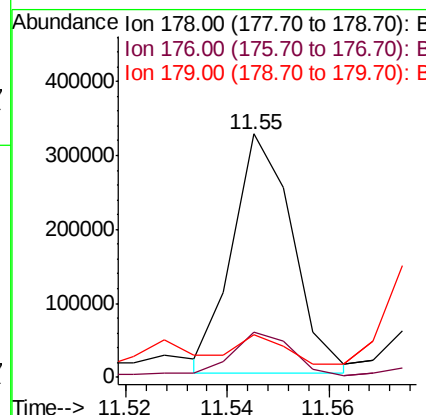
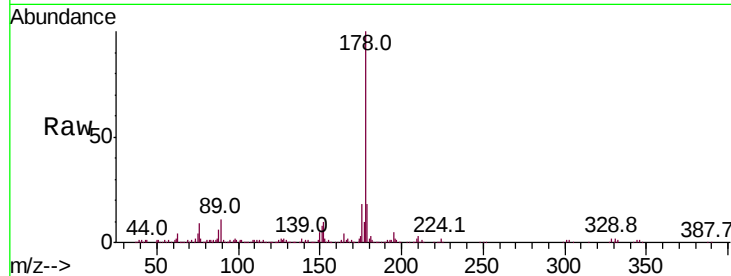
ClientSampled :

6-C

Tot Ion:	178	Resp:	262941
Ion Ratio	Lower	Upper	
178	100		
176	18.3	16.6	25.0
179	17.7	13.5	20.3

Manual Integrations
APPROVED

Sohil
11/8/2019 3:31:49 PM



#75

Fluoranthene

Concen: 18.149 ng

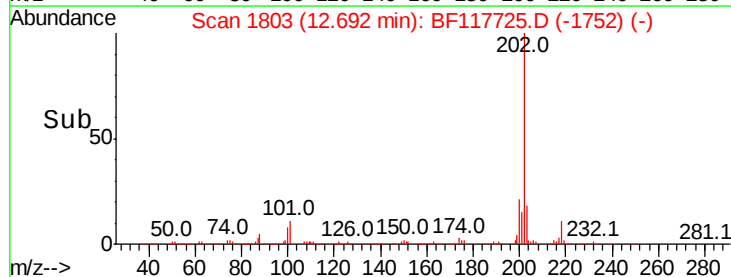
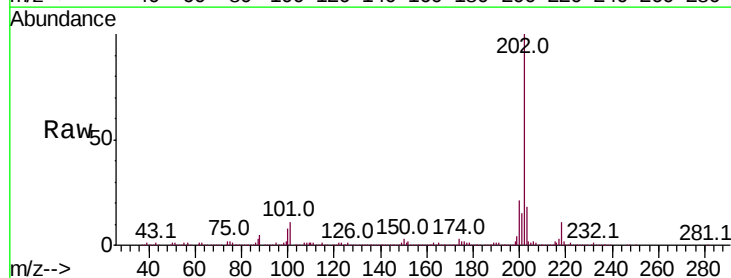
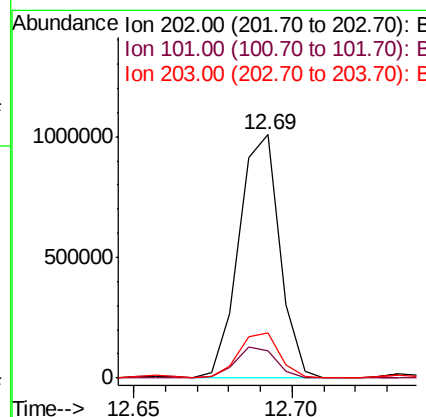
RT: 12.69 min Scan# 1803

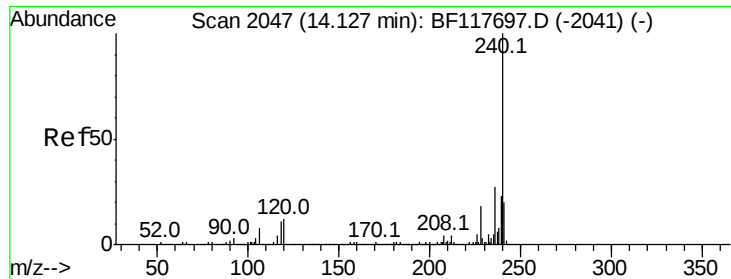
Delta R.T. 0.00 min

Lab File: BF117725.D

Acq: 8 Nov 2019 00:28

Tgt Ion:	202	Resp:	893746
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	34.5
203	18.5	0.0	39.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF117725.D

Acq: 8 Nov 2019 00:28

Instrument :

BNA_F

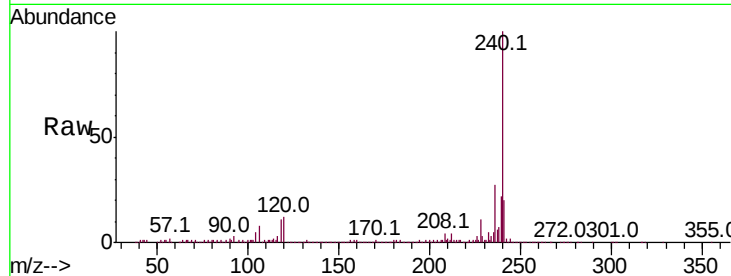
ClientSampled :

6-C

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.7	14.5
236	26.9	21.9	32.9

Manual Integrations
APPROVED

Sohil
11/8/2019 3:31:49 PM

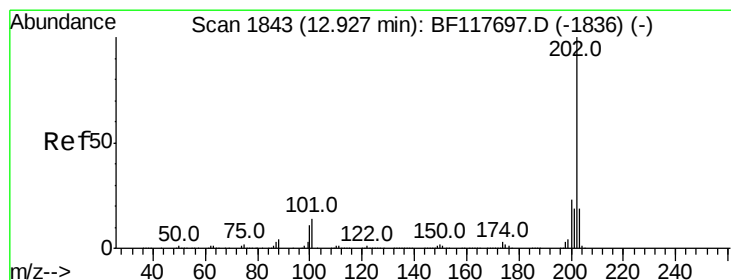
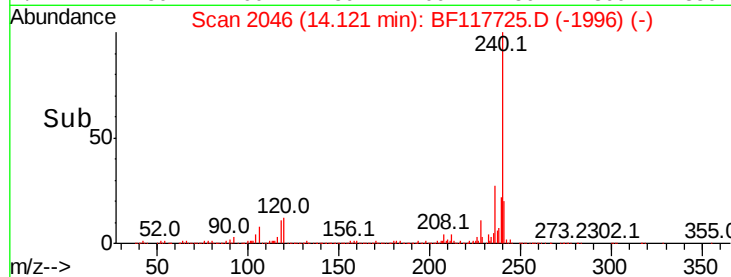
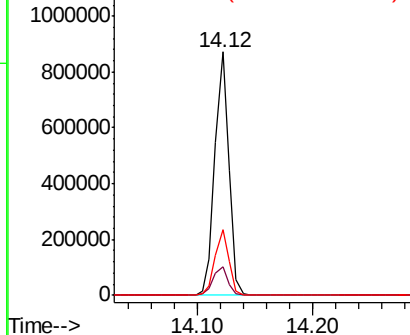


Abundance

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: 25.281 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF117725.D

Acq: 8 Nov 2019 00:28

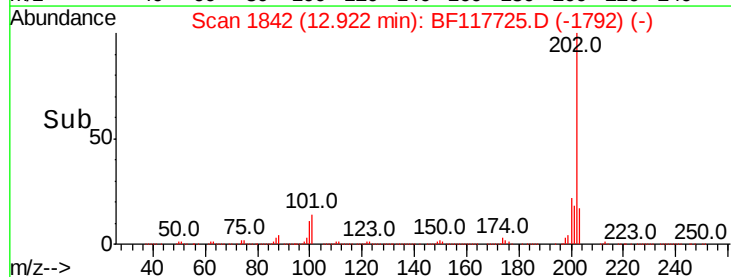
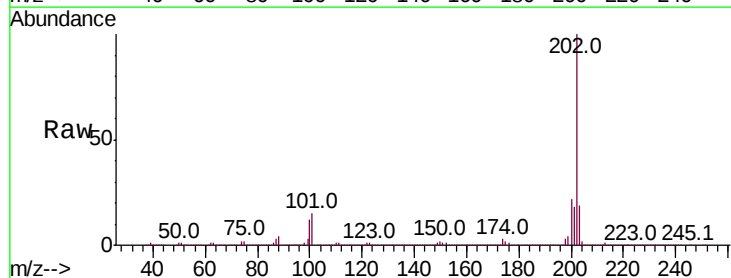
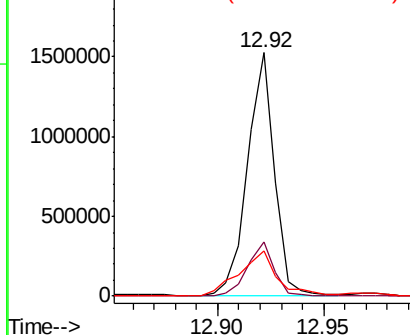
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	18.8	28.2
203	18.7	15.2	22.8

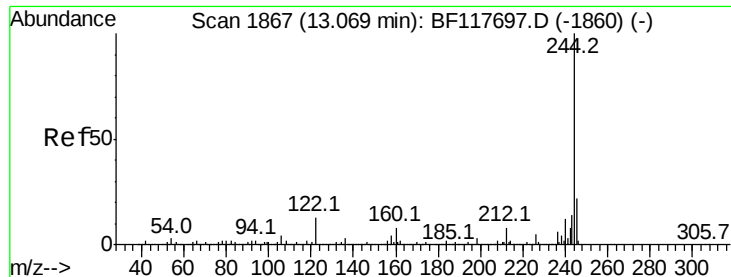
Abundance

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: 48.298 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF117725.D
 Acq: 8 Nov 2019 00:28

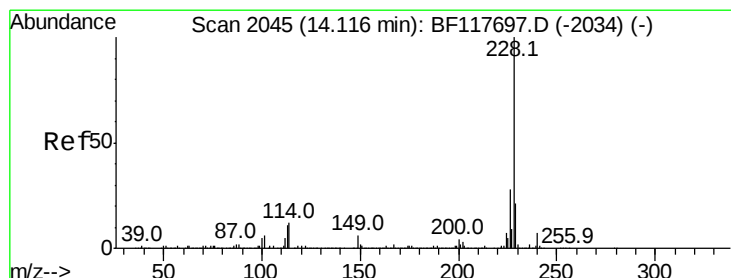
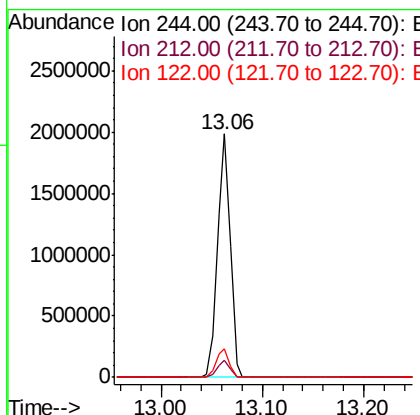
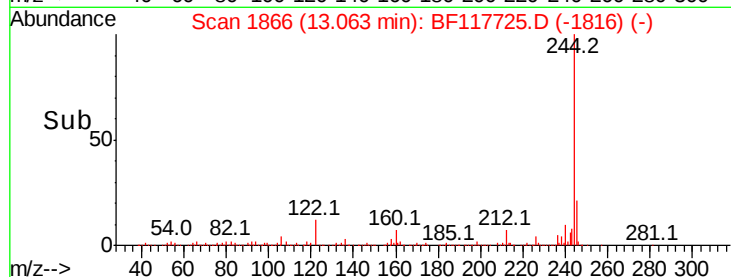
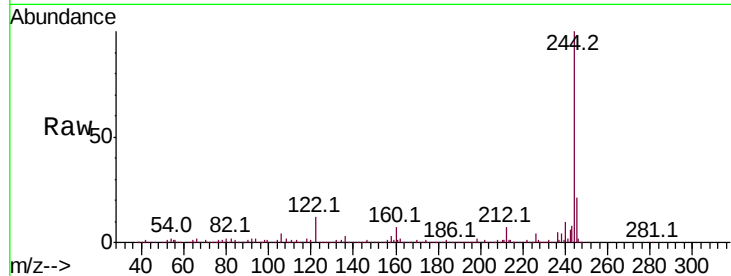
Instrument :
 BNA_F
 ClientSampled :
 6-C

Tot Ion:244 Resp: 1720137

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.4	9.6
122	11.8	10.0	15.0

Manual Integrations
 APPROVED

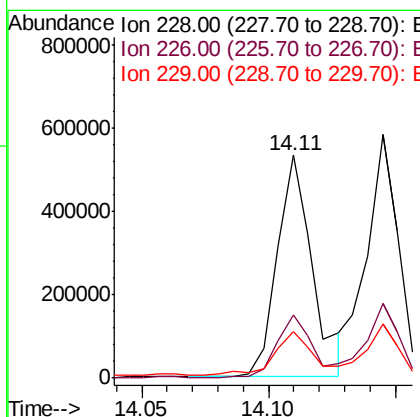
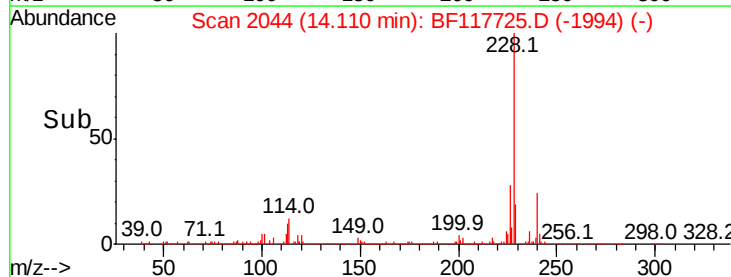
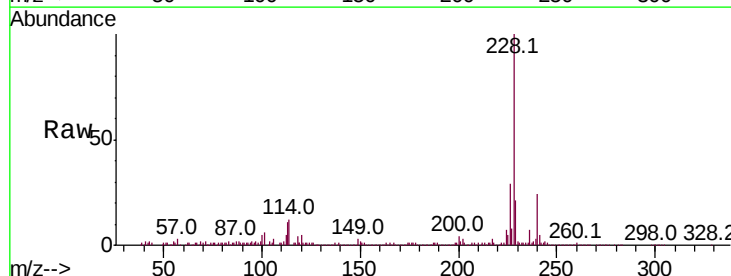
Sohil
 11/8/2019 3:31:49 PM

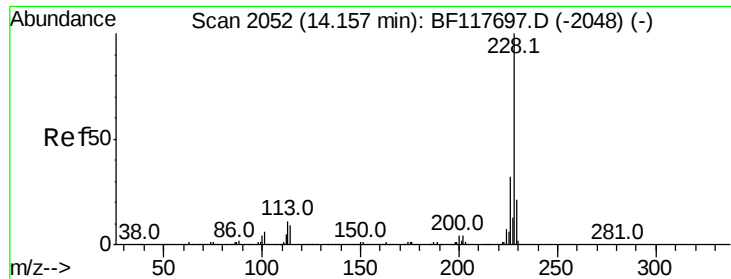


#81
 Benzo(a)anthracene
 Concen: 11.337 ng
 RT: 14.11 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: BF117725.D
 Acq: 8 Nov 2019 00:28

Tgt Ion:228 Resp: 517394

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.8	34.2
229	20.8	16.9	25.3





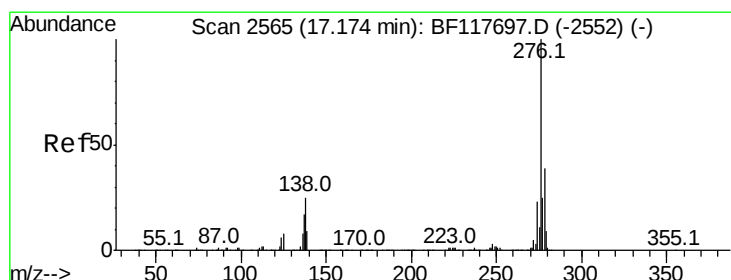
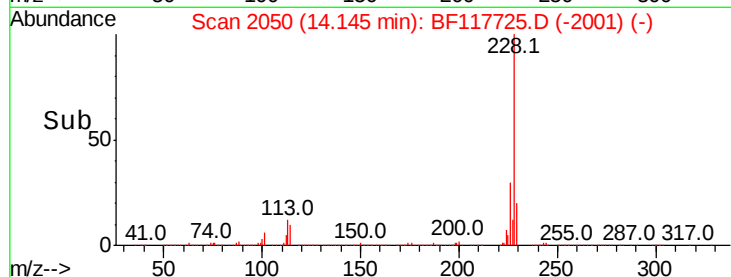
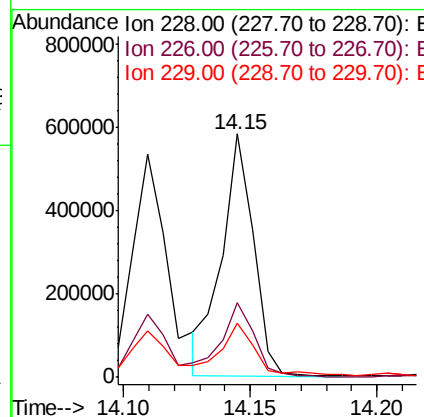
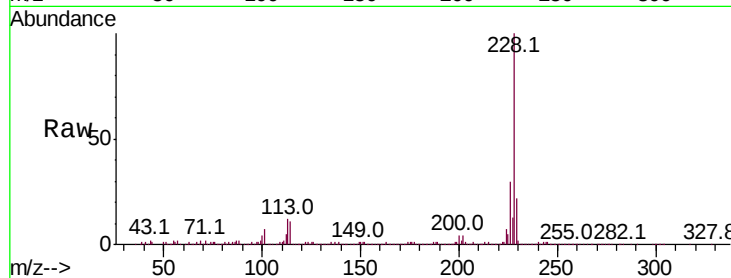
#83
Chrysene
Concen: 11.309 ng
RT: 14.15 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF117725.D
Acq: 8 Nov 2019 00:28

Instrument :
BNA_F
ClientSampleId :
6-C

Tot Ion:	228	Resp:	509667
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.4	38.2
229	22.1	16.6	24.8

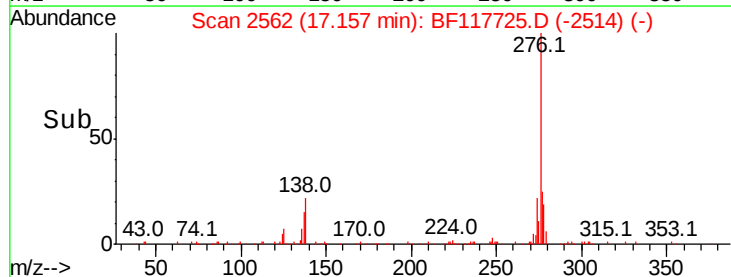
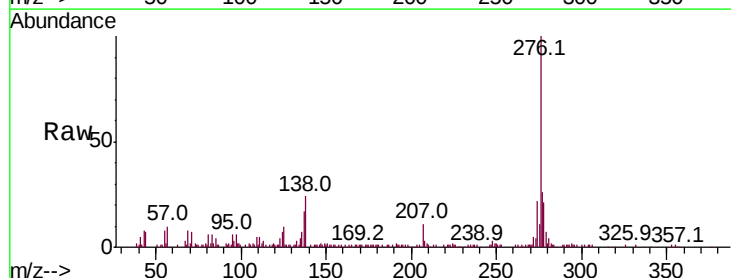
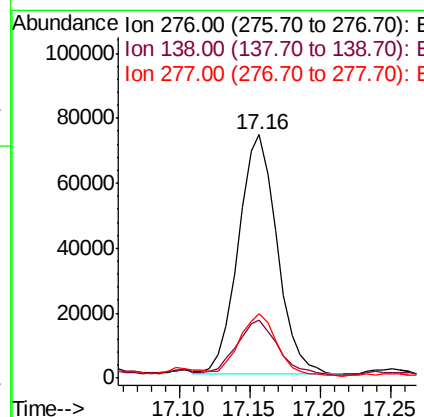
Manual Integrations
APPROVED

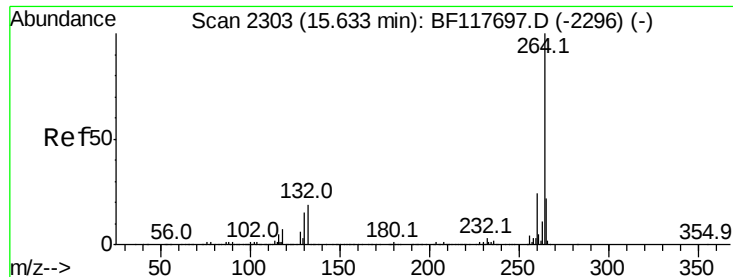
Sohil
11/8/2019 3:31:49 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.375 ng
RT: 17.16 min Scan# 2562
Delta R.T. -0.02 min
Lab File: BF117725.D
Acq: 8 Nov 2019 00:28

Tgt Ion:	276	Resp:	141553
Ion Ratio	Lower	Upper	
276	100		
138	24.3	22.4	33.6
277	25.5	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: BF117725.D

Acq: 8 Nov 2019 00:28

Instrument :

BNA_F

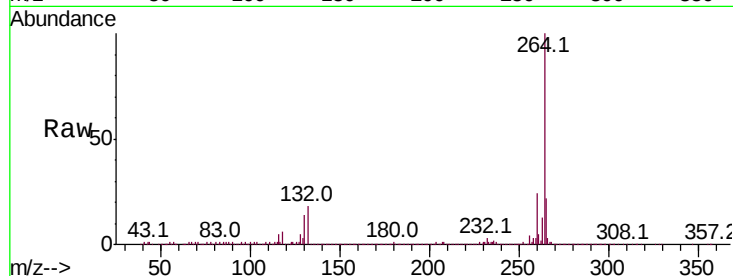
ClientSampled :

6-C

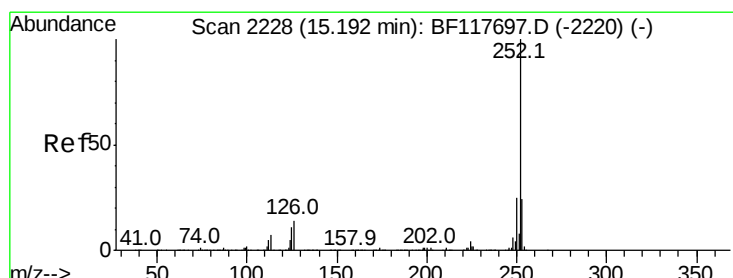
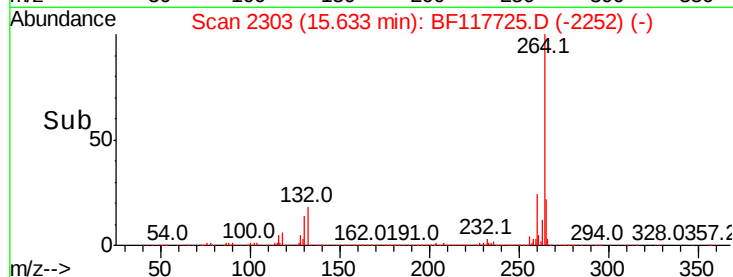
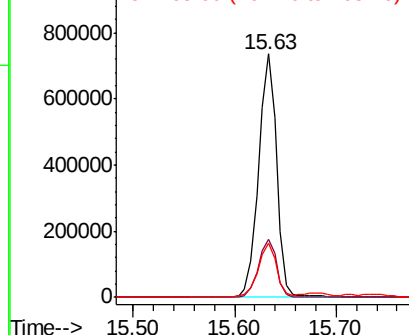
Tot Ion:	264	Resp:	907666
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.8	28.2
265	22.0	17.7	26.5

Manual Integrations
APPROVED

Sohil
11/8/2019 3:31:49 PM



Abundance Ion 264.00 (263.70 to 264.70): E
1000000 Ion 260.00 (259.70 to 260.70): E
800000 Ion 265.00 (264.70 to 265.70): E
600000
400000
200000
0



#88

Benzo(b)fluoranthene

Concen: 8.029 ng m

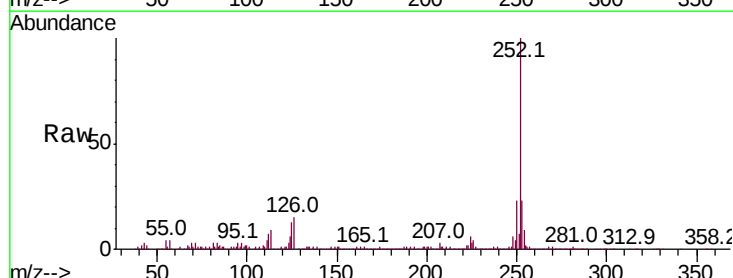
RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

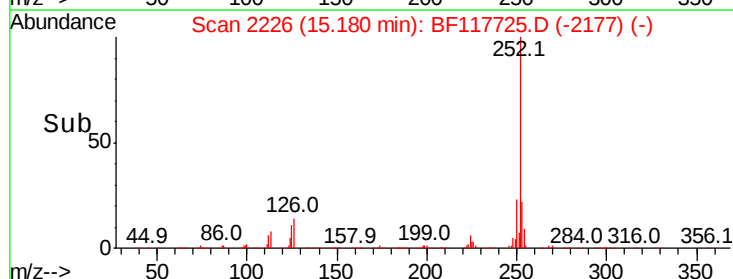
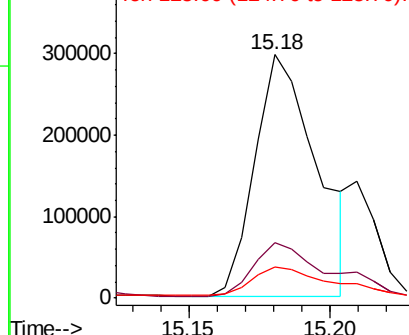
Lab File: BF117725.D

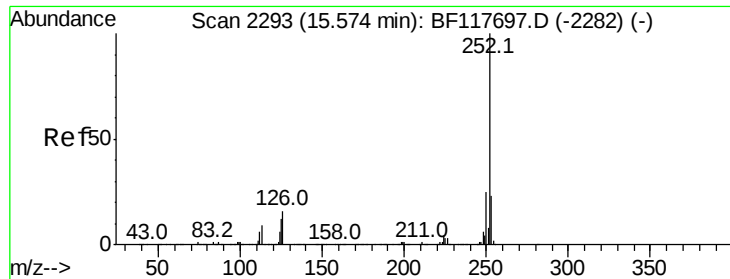
Acq: 8 Nov 2019 00:28

Tgt Ion:	252	Resp:	459014
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.9	28.3
125	12.8	8.5	12.7#



Abundance Ion 252.00 (251.70 to 252.70): E
400000 Ion 253.00 (252.70 to 253.70): E
300000 Ion 125.00 (124.70 to 125.70): E
200000
100000
0





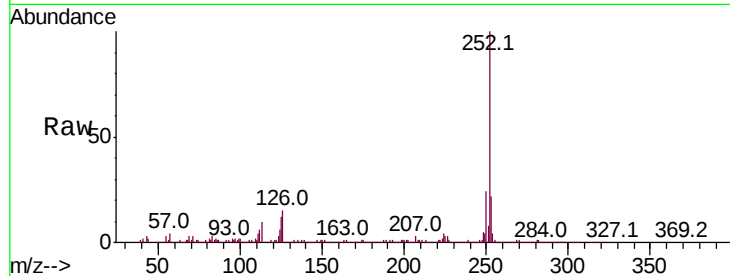
#90
Benzo(a)pyrene
Concen: 6.595 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF117725.D
Acq: 8 Nov 2019 00:28

Instrument :
BNA_F
ClientSampleId :
6-C

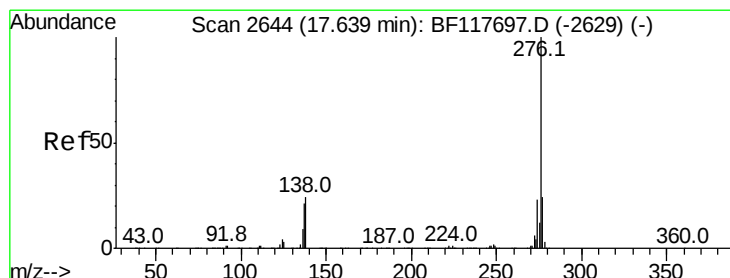
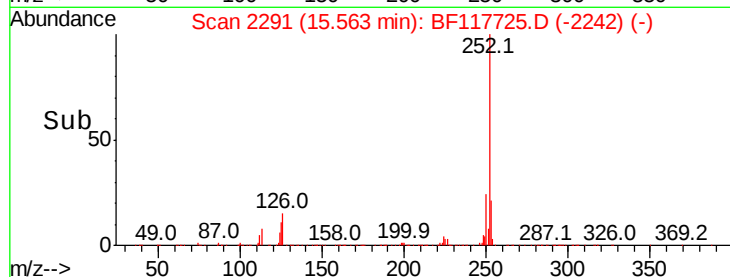
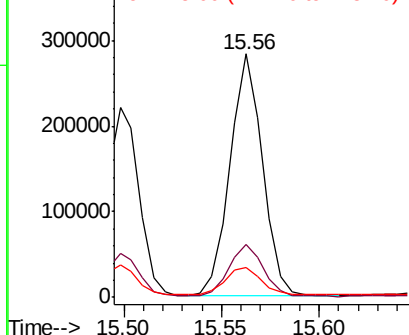
Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.9	18.0	27.0
125	12.1	9.5	14.3

Manual Integrations
APPROVED

Sohil
11/8/2019 3:31:49 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.346 ng
RT: 17.62 min Scan# 2641
Delta R.T. -0.02 min
Lab File: BF117725.D
Acq: 8 Nov 2019 00:28

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	23.2	19.4	29.0
138	23.3	19.2	28.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

