

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098186.D
 Acq On : 31 Aug 2017 6:35
 Operator : SJ/JU
 Sample : I4990-01 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1

Manual Integrations
 APPROVED

Sohil
 8/31/2017 7:13:26 PM

Quant Time: Aug 31 09:00:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	123466	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	454657	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	168106	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	278527	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	240974	20.00	ng	-0.02
86) Perylene-d12	15.29	264	157217	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	487786	60.09	ng	-0.02
7) Phenol-d6	6.36	99	717391	65.05	ng	-0.02
23) Nitrobenzene-d5	7.29	82	415060	49.59	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	61637	42.26	ng	-0.03
44) 2-Fluorobiphenyl	9.09	172	596540	52.14	ng	-0.02
78) Terphenyl-d14	12.83	244	419224	36.28	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.48	163	104345	8.492	ng	99
70) Phenanthrene	11.26	178	36555	2.463	ng	98
74) Fluoranthene	12.45	202	79379	5.124	ng	99
77) Pyrene	12.68	202	84675	4.296	ng	97
80) Benzo(a)anthracene	13.86	228	38184	2.644	ng	95
82) Chrysene	13.90	228	38798	2.700	ng	96
87) Benzo(b)fluoranthene	14.89	252	34967m	3.528	ng	
89) Benzo(a)pyrene	15.23	252	23314	2.657	ng	# 83
91) Benzo(g,h,i)perylene	17.07	276	17167	2.304	ng	# 93

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

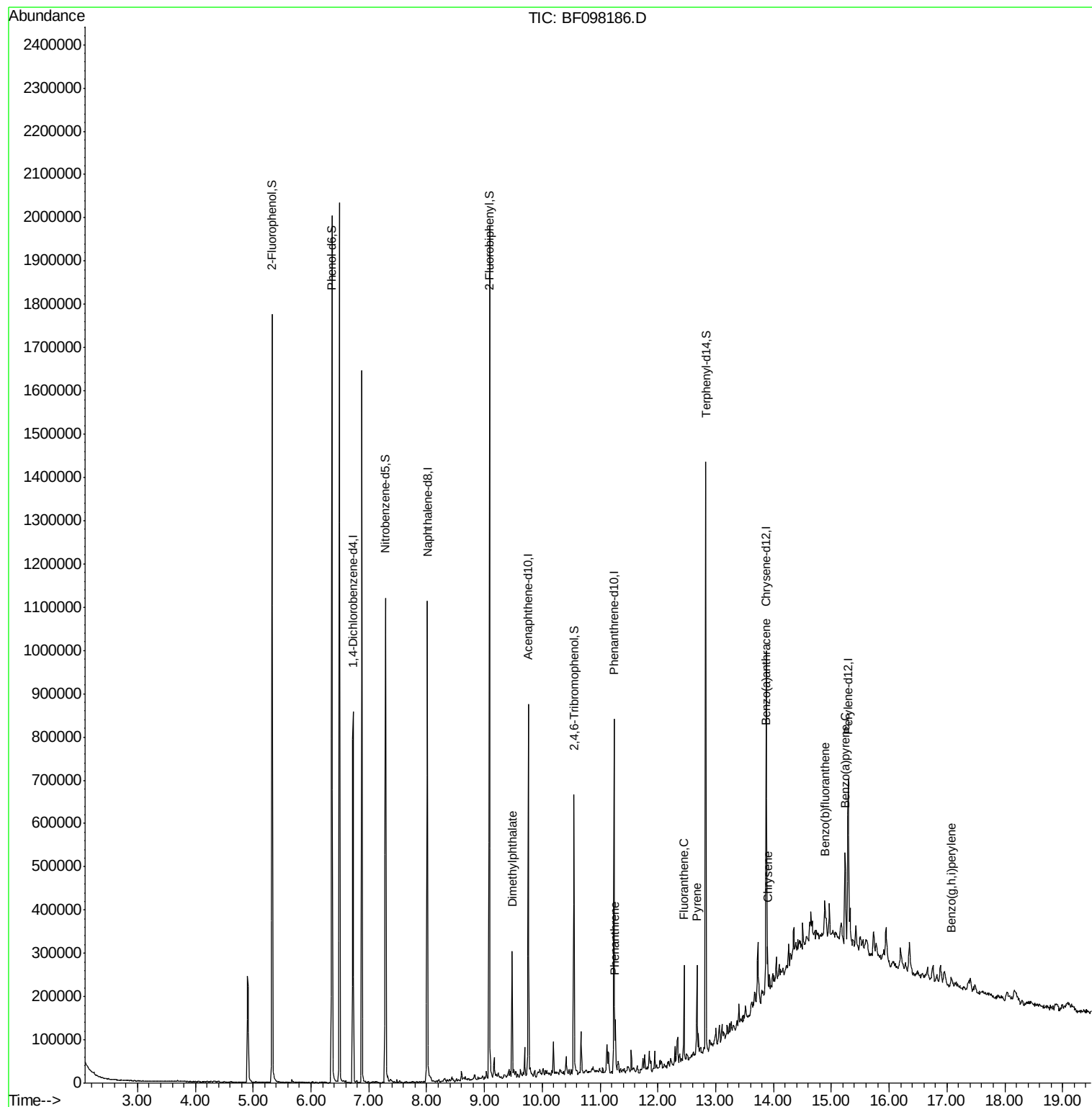
Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
Data File : BF098186.D
Acq On : 31 Aug 2017 6:35
Operator : SJ/JU
Sample : I4990-01 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

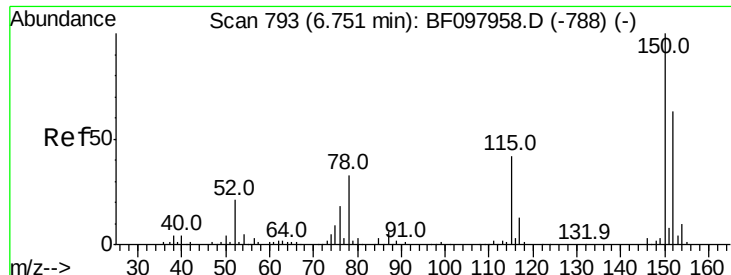
Instrument :
BNA_F
ClientSampleId :
B-1

Manual Integrations
APPROVED

Sohil
8/31/2017 7:13:26 PM

Quant Time: Aug 31 09:00:22 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration





#1

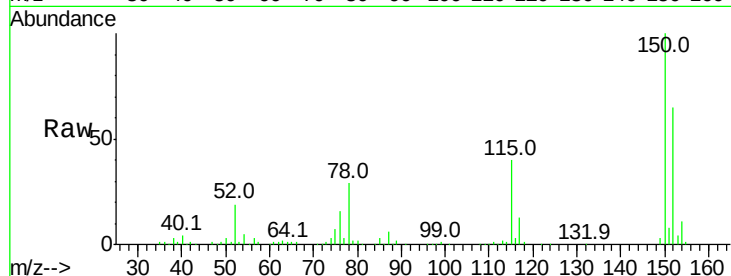
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF098186.D
Acq: 31 Aug 2017 6:35

Instrument :
BNA_F
ClientSampled :
B-1

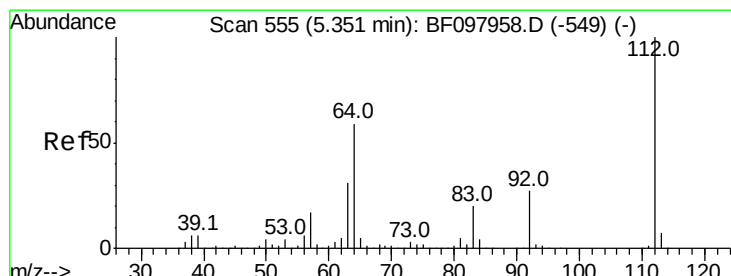
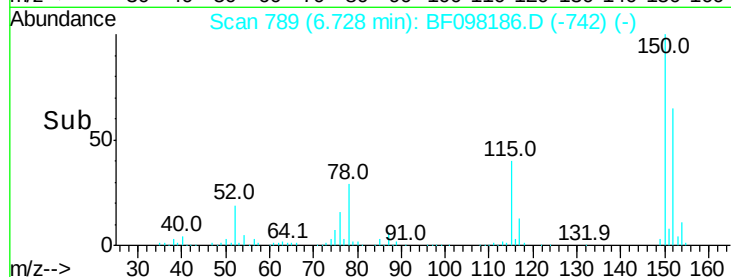
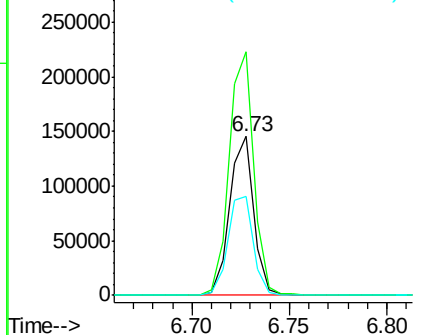
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	126.2	189.2
115	62.1	52.2	78.2

Manual Integrations
APPROVED

Sohil
8/31/2017 7:13:26 PM



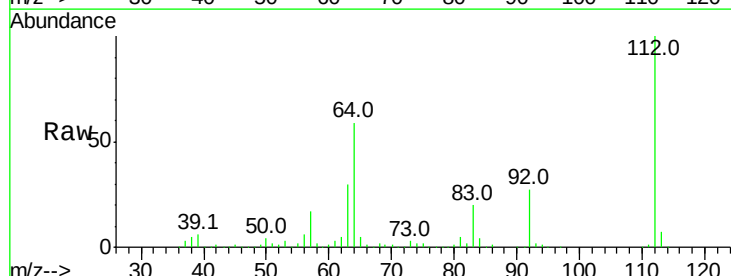
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



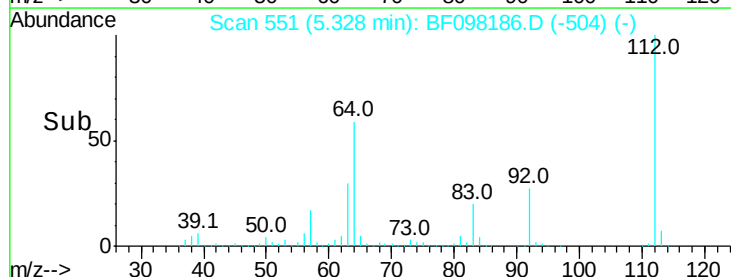
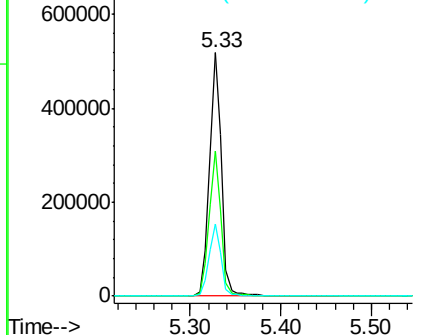
#5

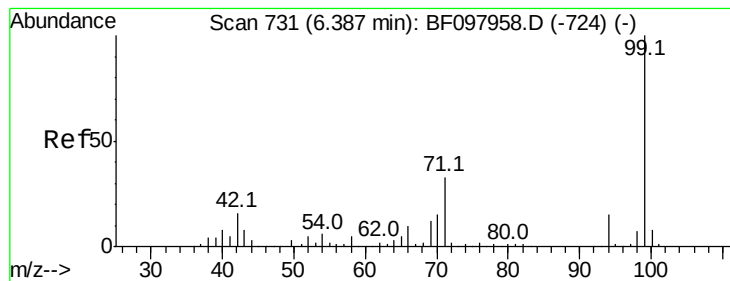
2-Fluorophenol
Concen: 60.094 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098186.D
Acq: 31 Aug 2017 6:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.0	69.0
63	29.9	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 65.048 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

Instrument :

BNA_F

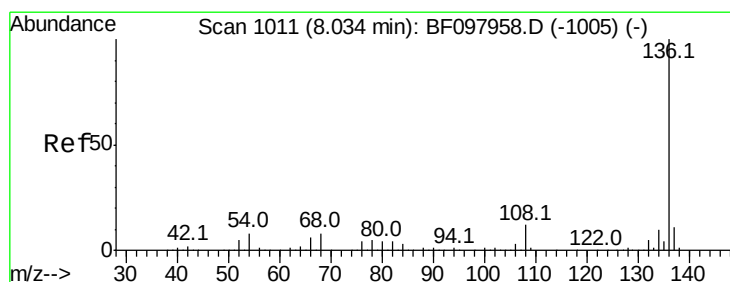
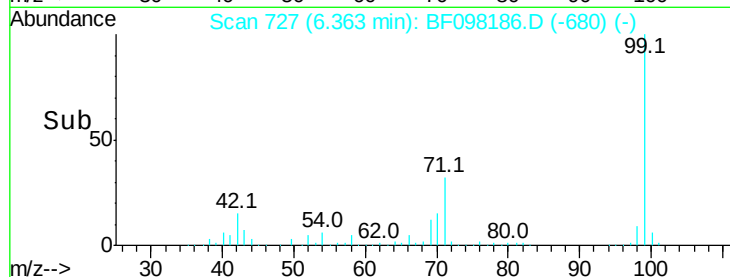
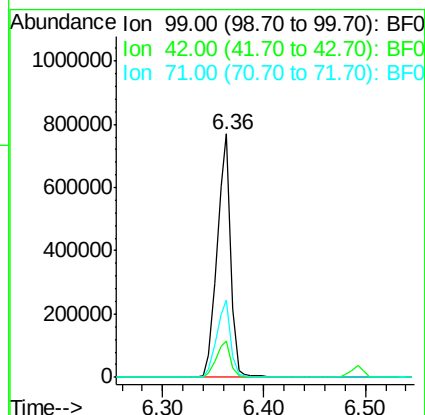
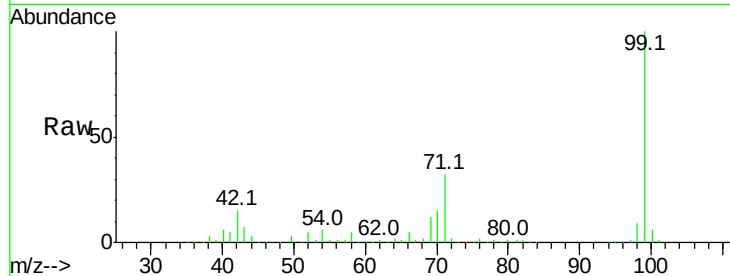
ClientSampled :

B-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		717391		
42	14.8	13.5	20.3		
71	31.9	24.5	36.7		

Manual Integrations
APPROVED

Sohil
8/31/2017 7:13:26 PM



#21

Naphthalene-d8

Concen: 20.000 ng

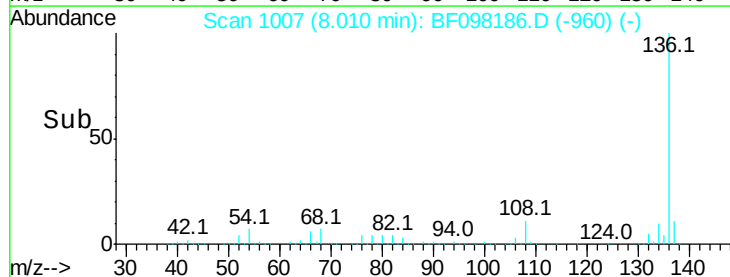
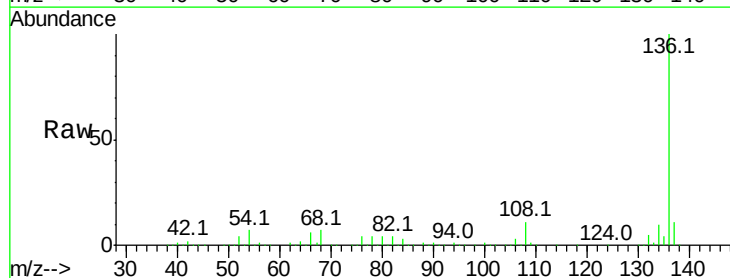
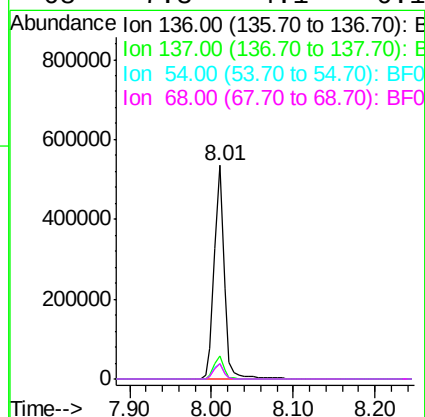
RT: 8.01 min Scan# 1007

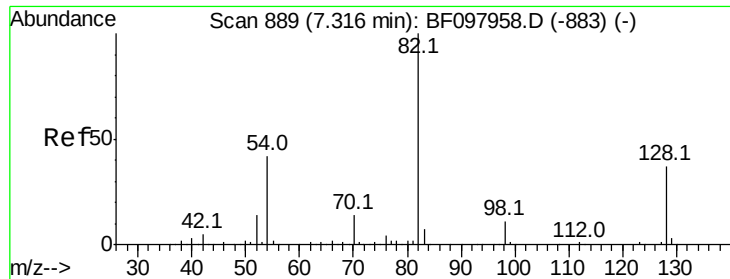
Delta R.T. -0.02 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		454657		
137	10.9	8.5	12.7		
54	7.5	4.9	7.3#		
68	7.3	4.1	6.1#		





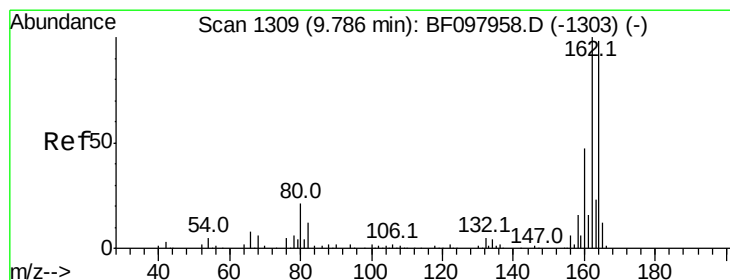
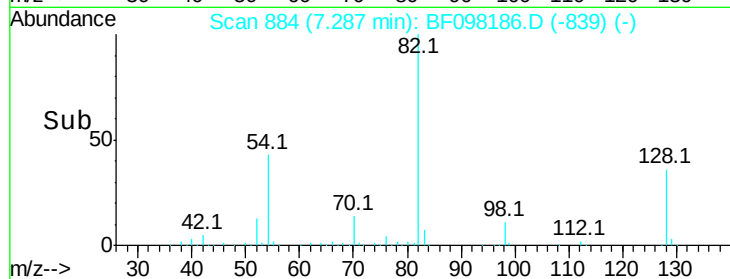
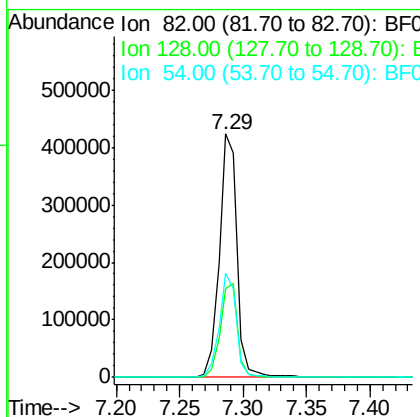
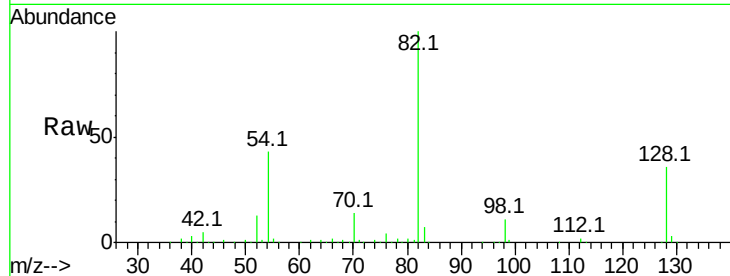
#23
 Nitrobenzene-d5
 Concen: 49.593 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.04 min
 Lab File: BF098186.D
 Acq: 31 Aug 2017 6:35

Instrument :
 BNA_F
 ClientSampled :
 B-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.3	34.0	51.0
54	42.6	42.2	63.2

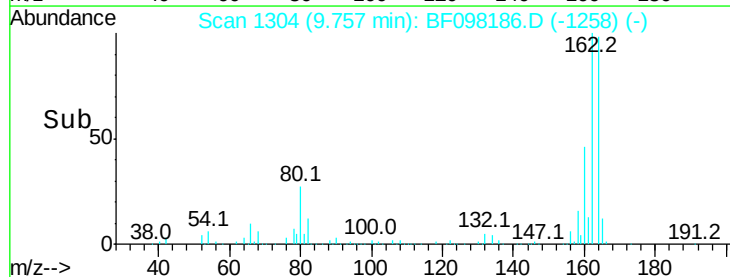
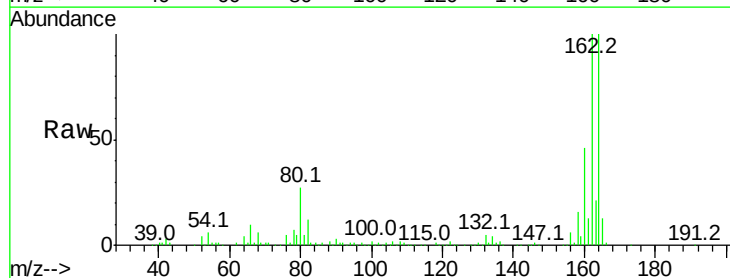
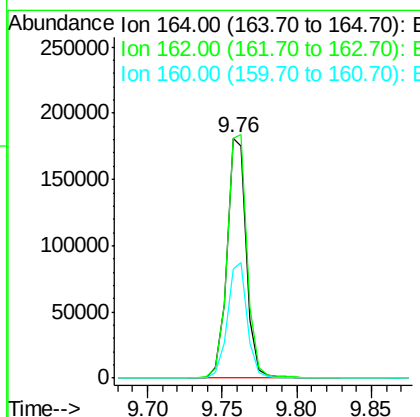
Manual Integrations
 APPROVED

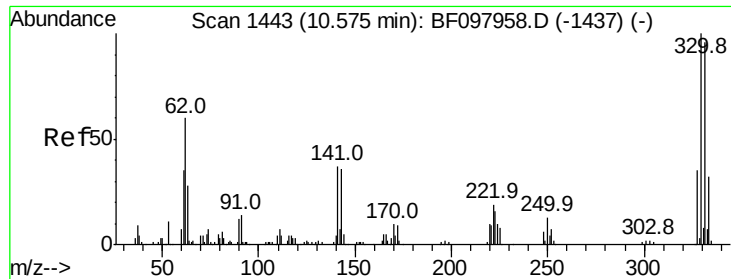
Sohil
 8/31/2017 7:13:26 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.03 min
 Lab File: BF098186.D
 Acq: 31 Aug 2017 6:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.6	82.6	123.8
160	45.6	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 42.258 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.03 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

Instrument :

BNA_F

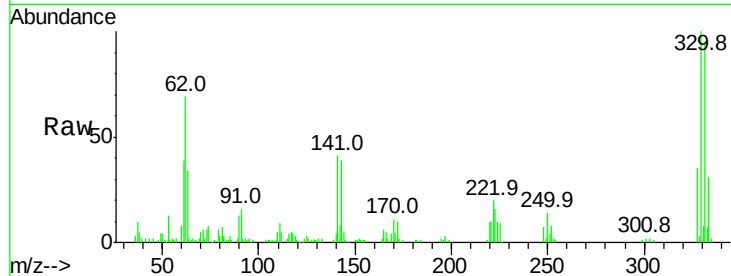
ClientSampled :

B-1

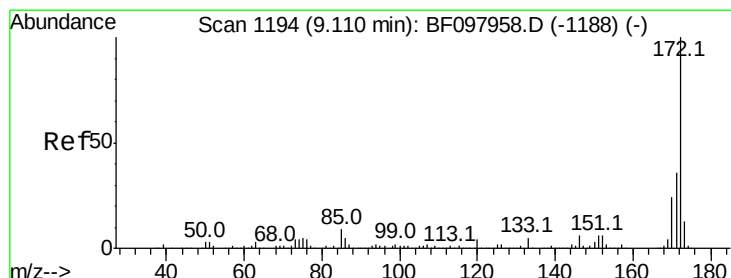
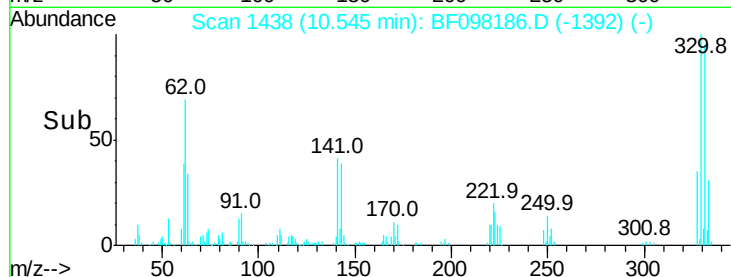
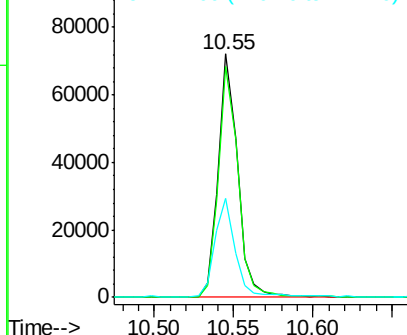
Tot Ion:	330	Resp:	61637
Ion Ratio	Lower	Upper	
330	100		
332	96.3	76.6	115.0
141	43.9	31.4	47.2

Manual Integrations
APPROVED

Sohil
8/31/2017 7:13:26 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



#44

2-Fluorobiphenyl

Concen: 52.136 ng

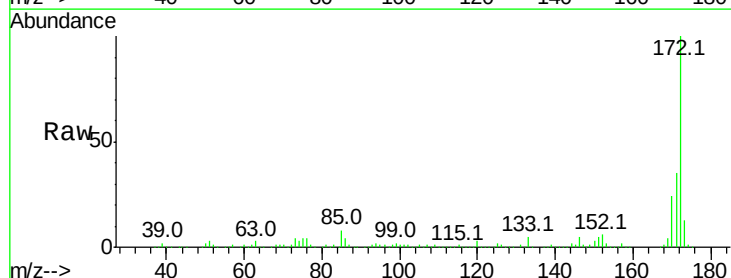
RT: 9.09 min Scan# 1190

Delta R.T. -0.02 min

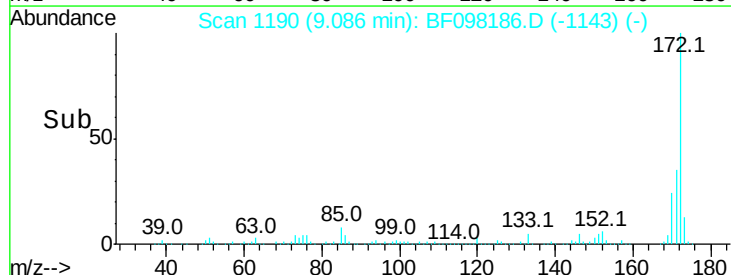
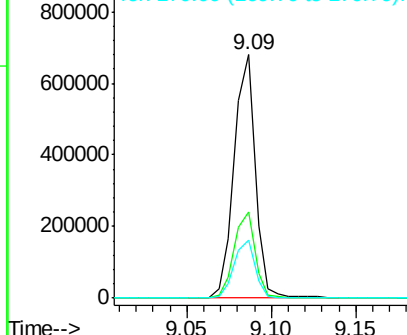
Lab File: BF098186.D

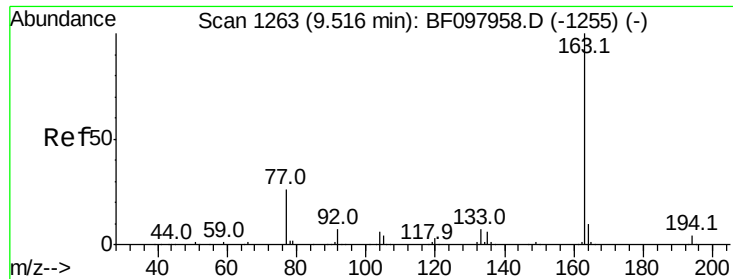
Acq: 31 Aug 2017 6:35

Tgt Ion:	172	Resp:	596540
Ion Ratio	Lower	Upper	
172	100		
171	35.2	29.6	44.4
170	23.8	19.8	29.8



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





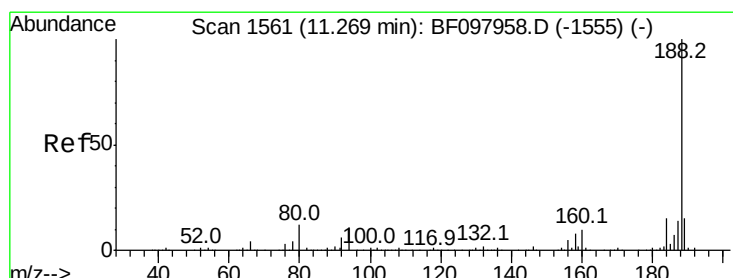
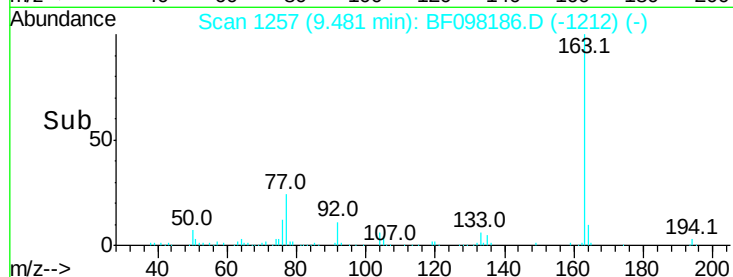
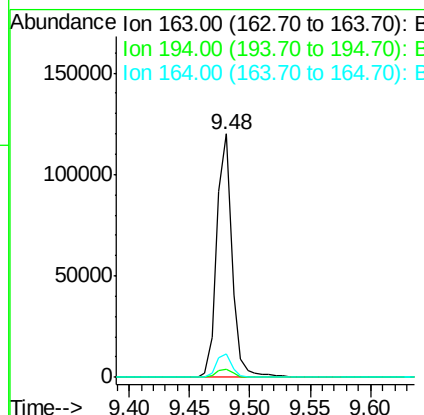
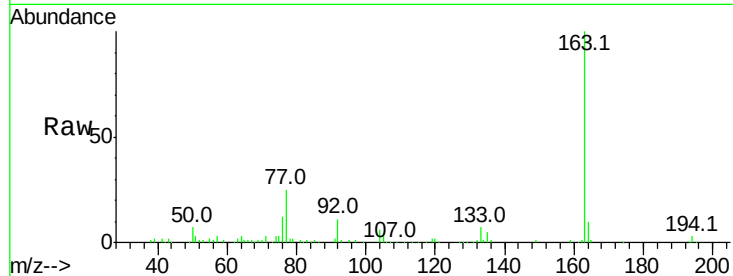
#49
 Dimethylphthalate
 Concen: 8.492 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.04 min
 Lab File: BF098186.D
 Acq: 31 Aug 2017 6:35

Instrument :
 BNA_F
 ClientSampleId :
 B-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.3	2.6	4.0	
164	9.9	8.4	12.6	

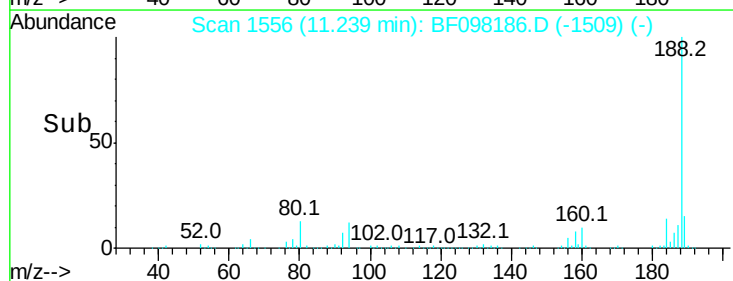
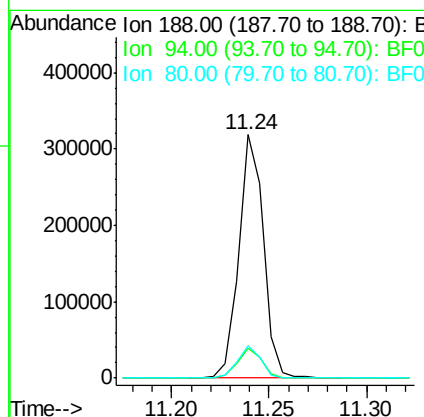
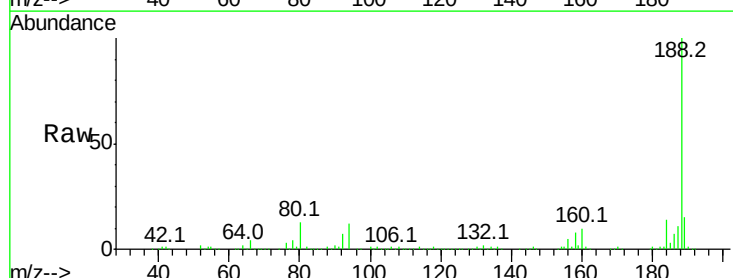
Manual Integrations
 APPROVED

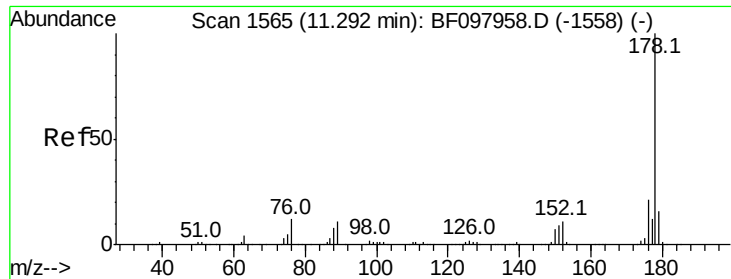
Sohil
 8/31/2017 7:13:26 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: BF098186.D
 Acq: 31 Aug 2017 6:35

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.3	9.4	14.2	
80	13.2	10.2	15.2	





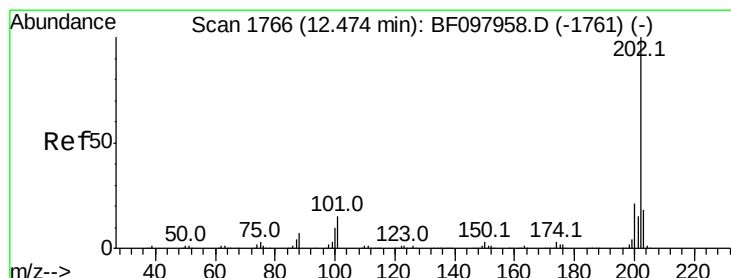
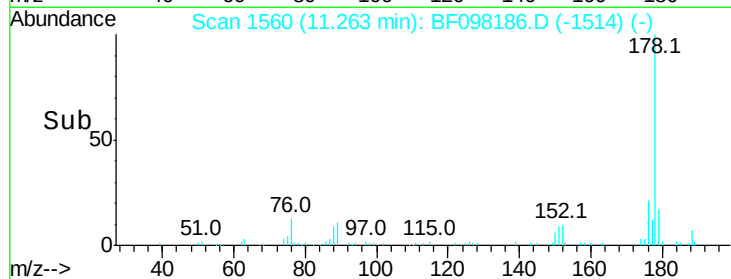
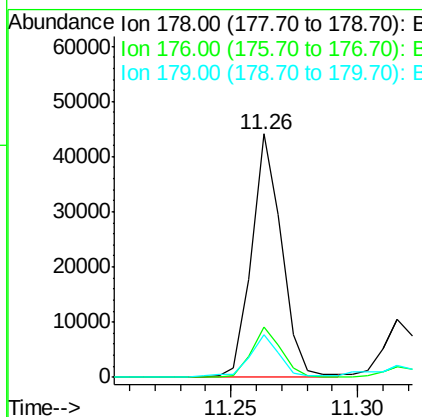
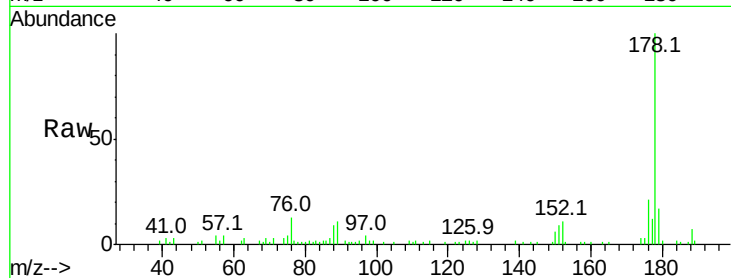
#70
Phenanthrene
Concen: 2.463 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.03 min
Lab File: BF098186.D
Acq: 31 Aug 2017 6:35

Instrument :
BNA_F
ClientSampled :
B-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.2	24.4
179	17.5	12.6	19.0

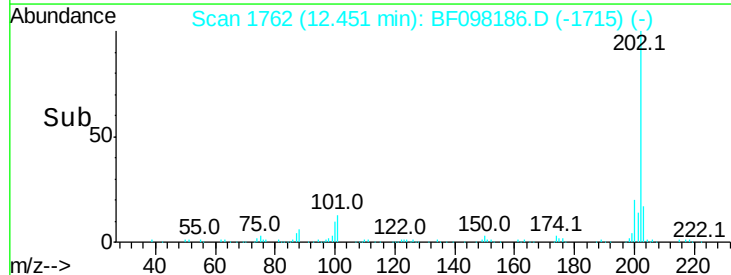
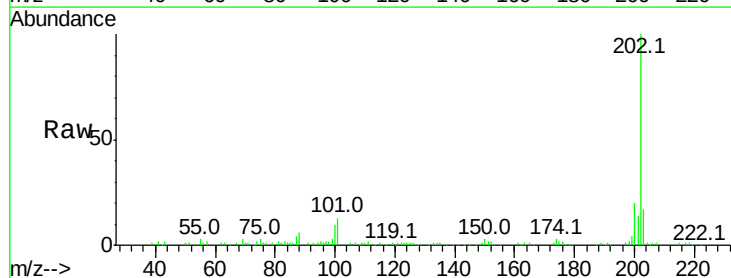
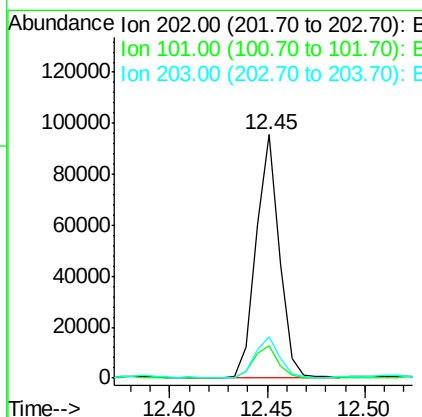
Manual Integrations
APPROVED

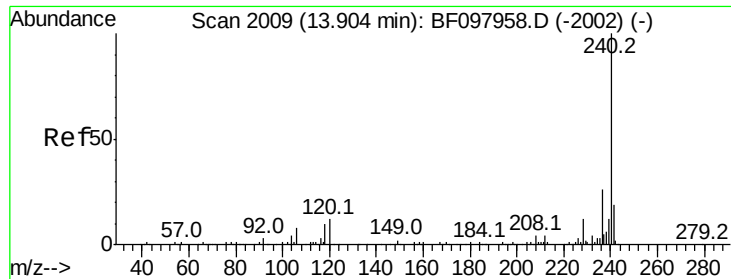
Sohil
8/31/2017 7:13:26 PM



#74
Fluoranthene
Concen: 5.124 ng
RT: 12.45 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BF098186.D
Acq: 31 Aug 2017 6:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

Instrument :

BNA_F

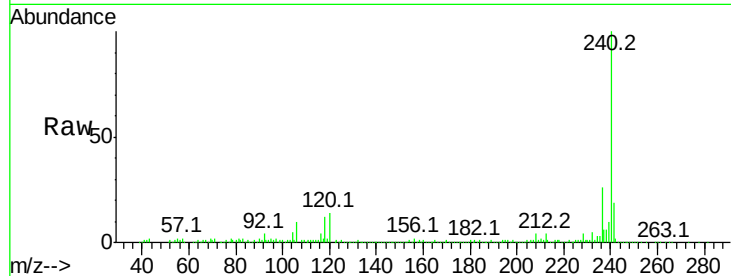
ClientSampled :

B-1

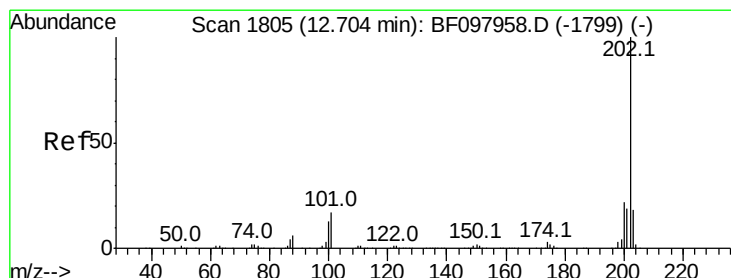
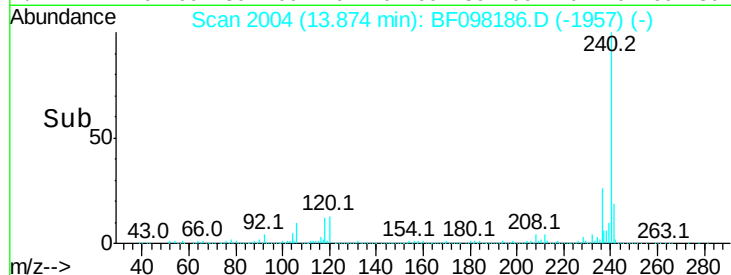
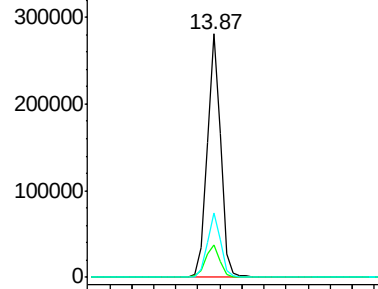
Tot Ion	Ratio	Resp	Lower	Upper
240	100	240974		
120	13.6		5.8	8.8#
236	26.3		20.5	30.7

Manual Integrations
APPROVED

Sohil
8/31/2017 7:13:26 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



#77

Pyrene

Concen: 4.296 ng

RT: 12.68 min Scan# 1801

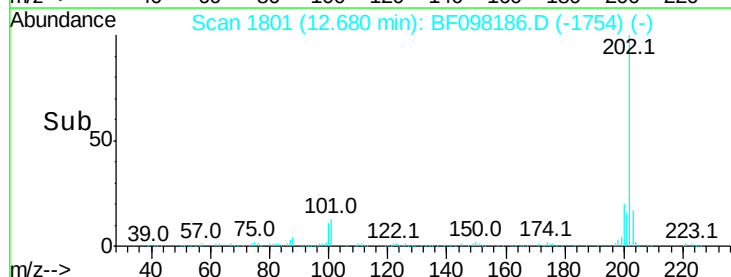
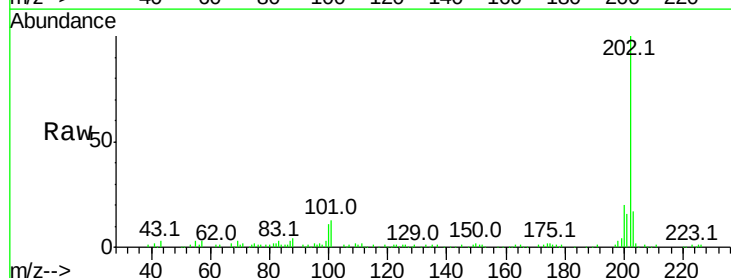
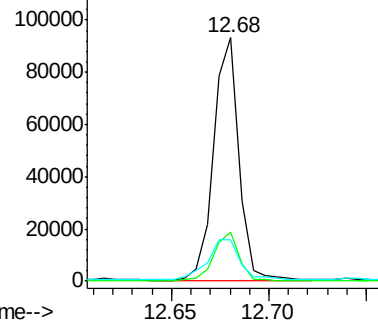
Delta R.T. -0.02 min

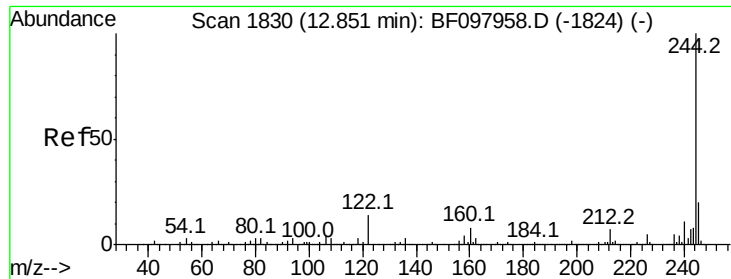
Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	84675		
200	20.4		17.6	26.4
203	17.0		14.4	21.6

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





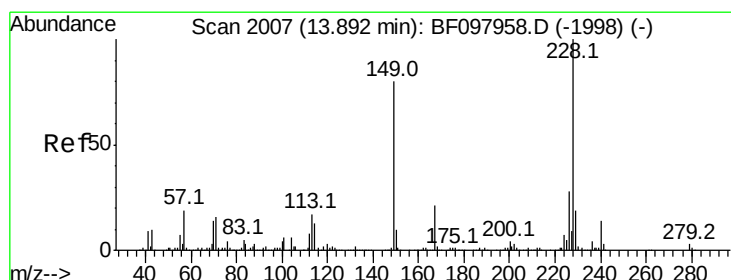
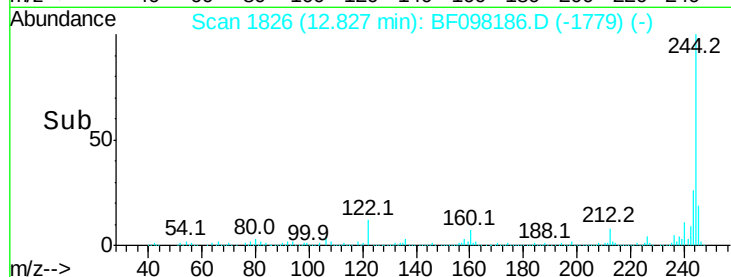
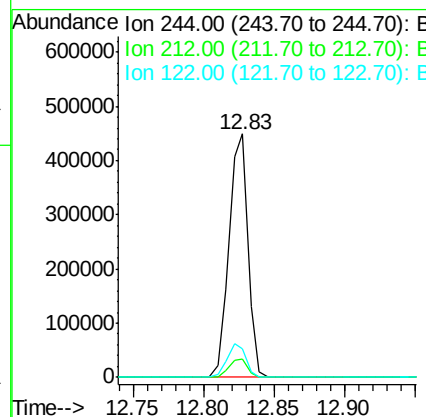
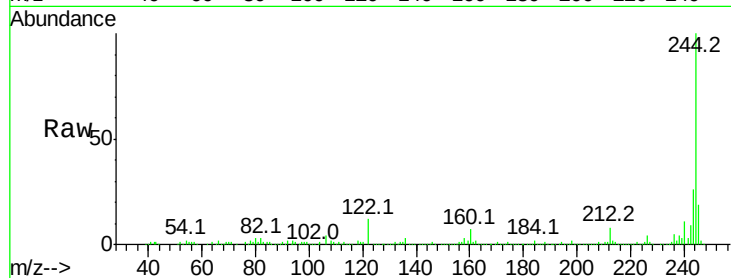
#78
 Terphenyl-d14
 Concen: 36.279 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF098186.D
 Acq: 31 Aug 2017 6:35

Instrument :
 BNA_F
 ClientSampled :
 B-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	11.7	10.3	15.5

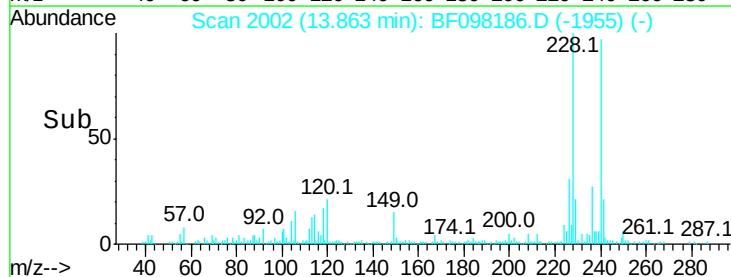
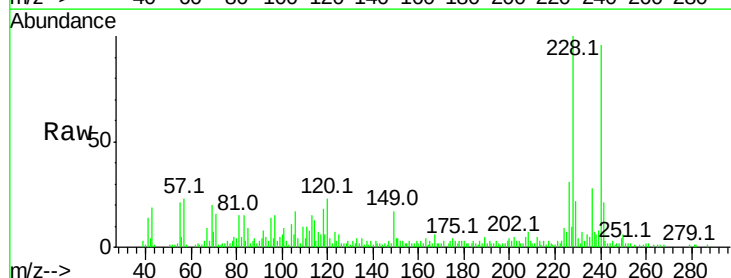
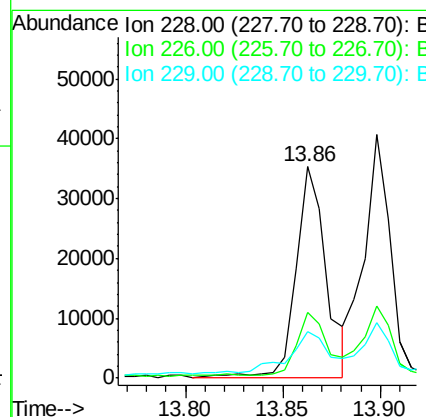
Manual Integrations
 APPROVED

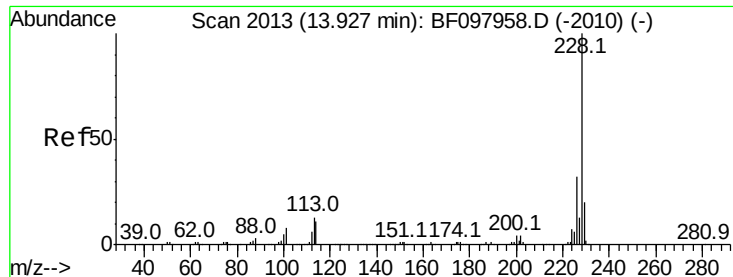
Sohil
 8/31/2017 7:13:26 PM



#80
 Benzo(a)anthracene
 Concen: 2.644 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.02 min
 Lab File: BF098186.D
 Acq: 31 Aug 2017 6:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	33.8
229	22.3	16.3	24.5





#82

Chrysene

Concen: 2.700 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.03 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

Instrument :

BNA_F

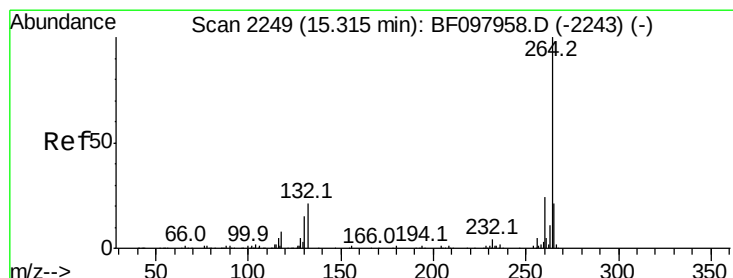
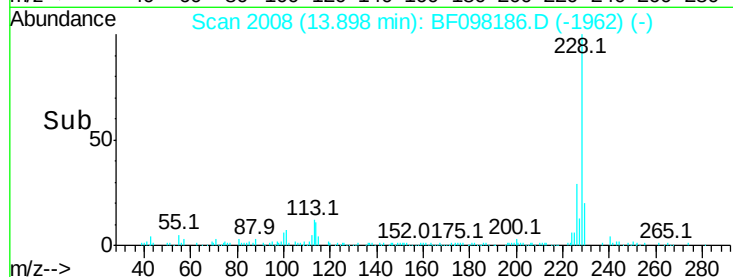
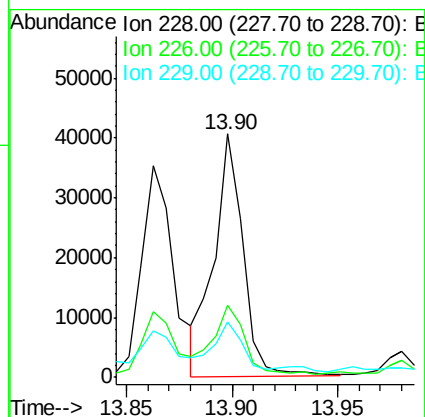
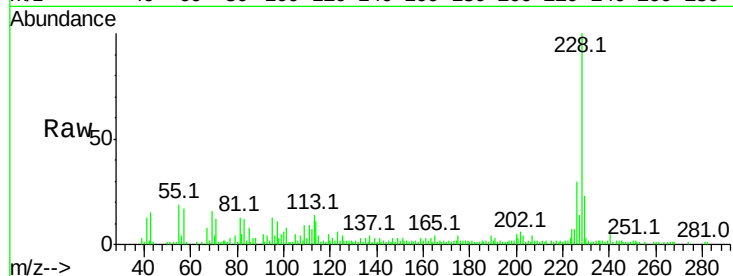
ClientSampled :

B-1

Tot Ion:	228	Resp:	38798
Ion Ratio		Lower	Upper
228	100		
226	29.7	24.9	37.3
229	22.6	15.8	23.6

Manual Integrations
APPROVED

Sohil
8/31/2017 7:13:26 PM



#86

Perylene-d12

Concen: 20.000 ng

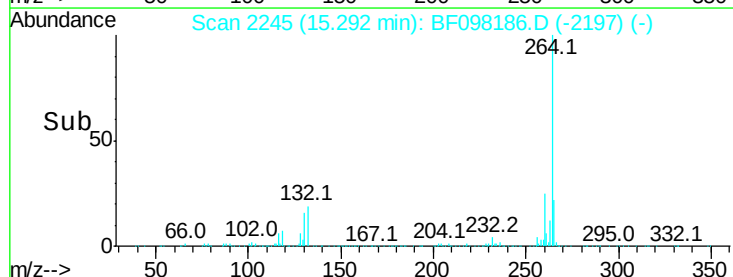
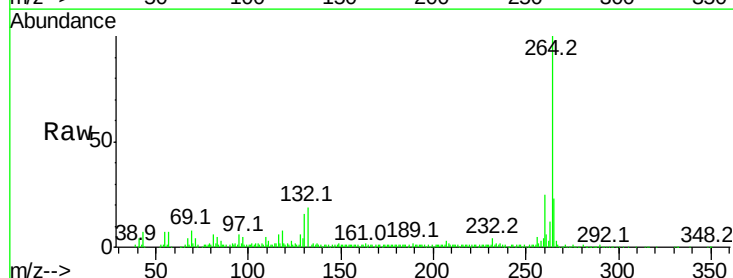
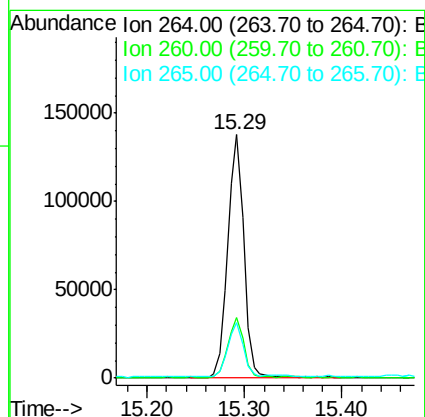
RT: 15.29 min Scan# 2245

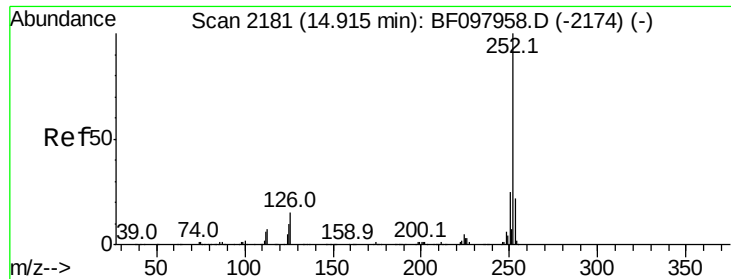
Delta R.T. -0.02 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

Tgt Ion:	264	Resp:	157217
Ion Ratio		Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.7	17.2	25.8





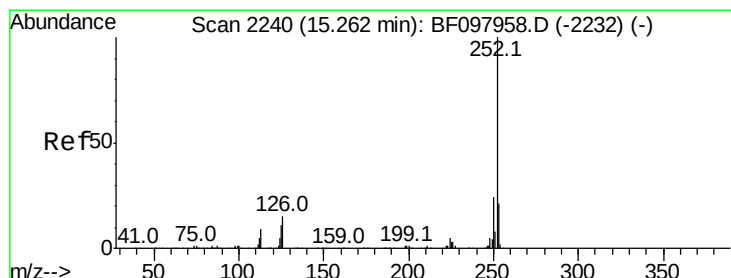
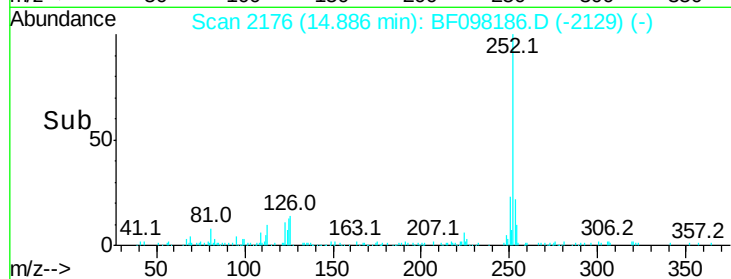
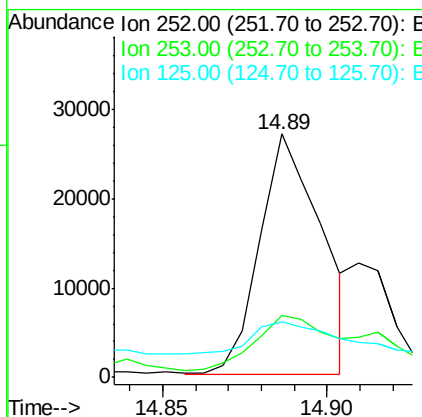
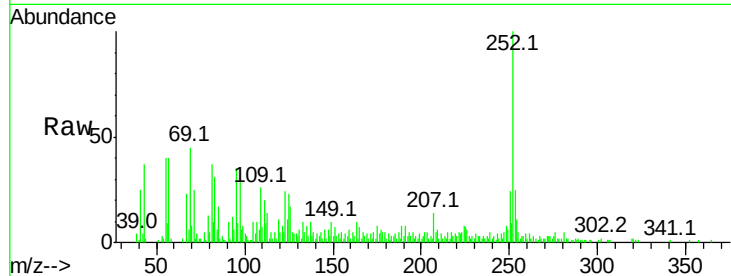
#87
Benzo(b)fluoranthene
Concen: 3.528 ng/mL
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF098186.D
Acq: 31 Aug 2017 6:35

Instrument :
BNA_F
ClientSampleId :
B-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.1	27.1
125	22.9	9.8	14.8

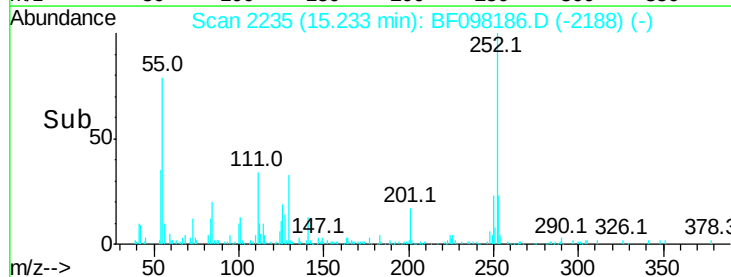
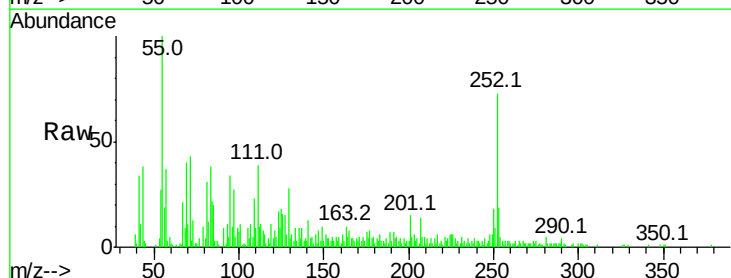
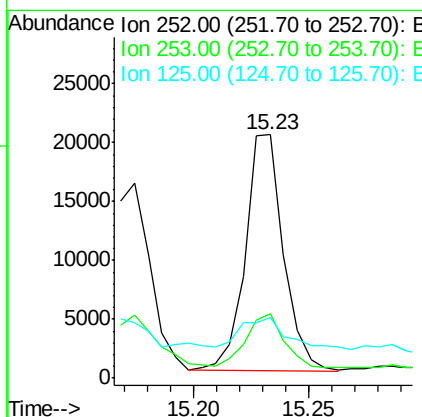
Manual Integrations
APPROVED

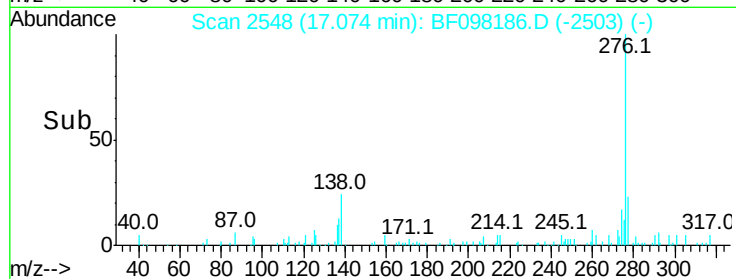
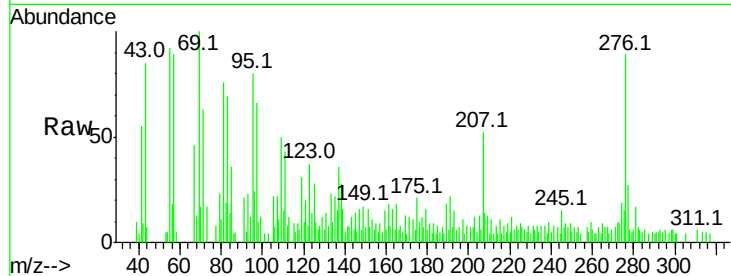
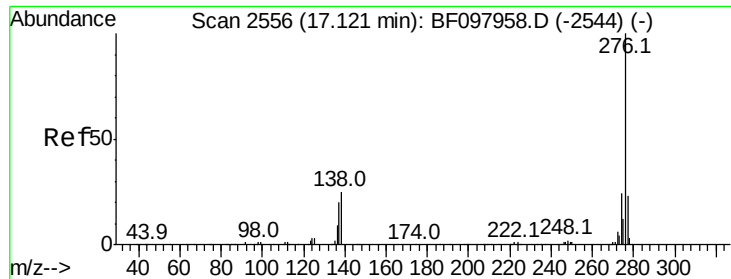
Sohil
8/31/2017 7:13:26 PM



#89
Benzo(a)pyrene
Concen: 2.657 ng/mL
RT: 15.23 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF098186.D
Acq: 31 Aug 2017 6:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.5	26.3
125	24.8	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 2.304 ng

RT: 17.07 min Scan# 2548

Delta R.T. -0.04 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	30.0	18.6	28.0#	
138	31.0	25.4	38.0	

Instrument :

BNA_F

ClientSampleId :

B-1

Manual Integrations
APPROVED

Sohil
8/31/2017 7:13:26 PM

