

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099204.D
 Acq On : 7 Oct 2017 19:53
 Operator : SJ/JU
 Sample : I5587-05 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G10-0-1.5

Manual Integrations
 APPROVED

Sohil
 10/9/2017 6:34:56 PM

Quant Time: Oct 08 04:58:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Oct 08 03:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	116387	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	441684	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	172468	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	270824	20.00	ng	0.00
75) Chrysene-d12	14.03	240	220820	20.00	ng	0.00
86) Perylene-d12	15.51	264	180603	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	83351	11.40	ng	0.00
7) Phenol-d6	6.49	99	100763	11.17	ng	0.00
23) Nitrobenzene-d5	7.42	82	51511	7.48	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	12488	8.85	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	107805	10.44	ng	0.00
78) Terphenyl-d14	12.97	244	80388	8.28	ng	0.00
Target Compounds						
70) Phenanthrene	11.42	178	202170	13.946	ng	99
71) Anthracene	11.46	178	46843	3.158	ng	99
74) Fluoranthene	12.60	202	386378	26.321	ng	100
77) Pyrene	12.83	202	359652	21.359	ng	99
80) Benzo(a)anthracene	14.02	228	163659	12.240	ng	100
82) Chrysene	14.06	228	150442	11.818	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	62517	6.139	ng	99
87) Benzo(b)fluoranthene	15.07	252	172450m	15.530	ng	
88) Benzo(k)fluoranthene	15.10	252	54397m	4.960	ng	
89) Benzo(a)pyrene	15.44	252	107579	10.554	ng	# 95
91) Benzo(g,h,i)perylene	17.44	276	63588	7.886	ng	98

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

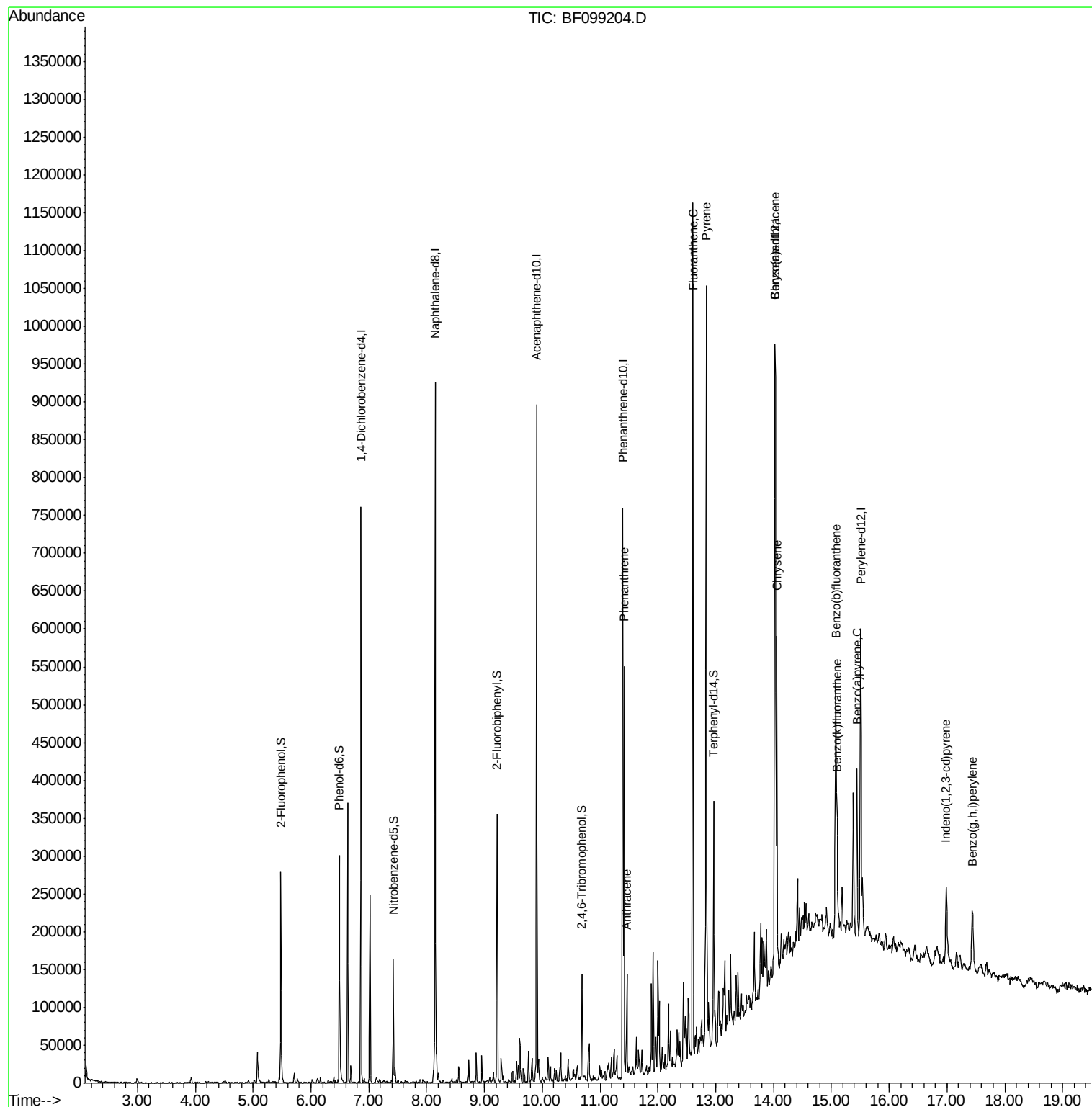
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099204.D
Acq On : 7 Oct 2017 19:53
Operator : SJ/JU
Sample : I5587-05 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

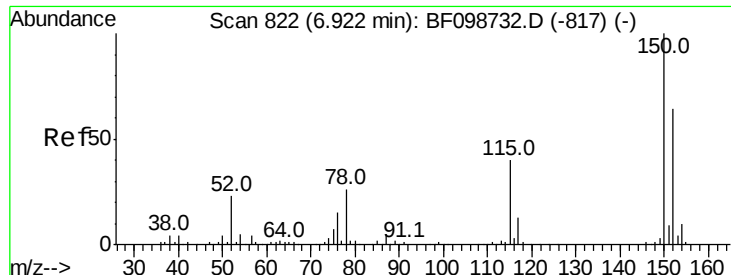
Instrument :
BNA_F
ClientSampleId :
G10-0-1.5

Manual Integrations
APPROVED

Sohil
10/9/2017 6:34:56 PM

Quant Time: Oct 08 04:58:37 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Oct 08 03:54:40 2017
Response via : Initial Calibration





#1

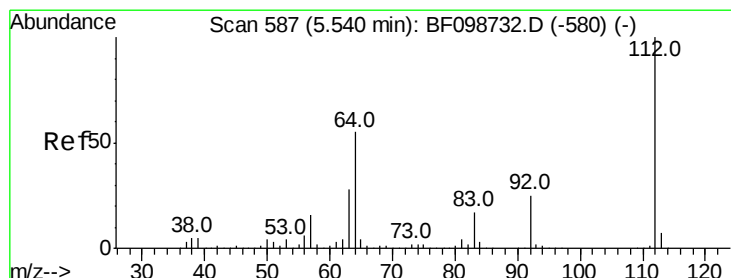
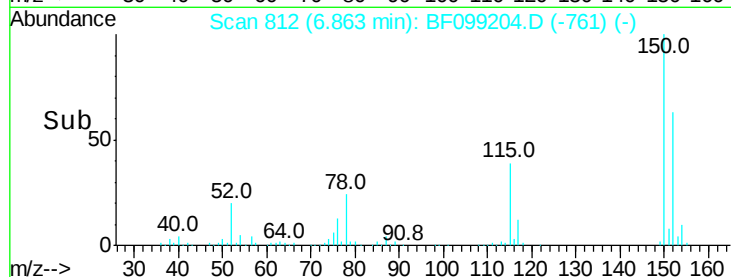
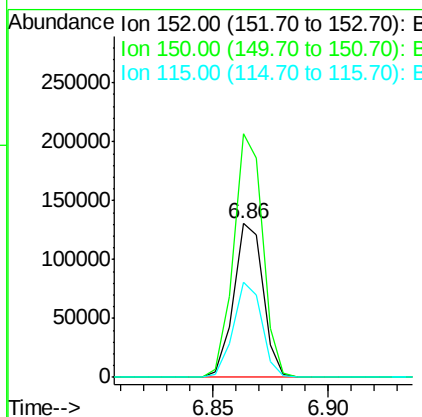
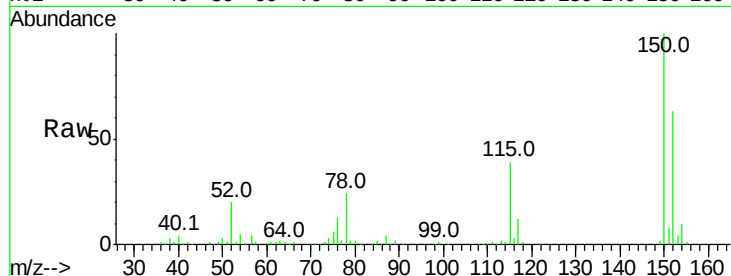
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF099204.D
Acq: 7 Oct 2017 19:53

Instrument :
BNA_F
ClientSampled :
G10-0-1.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	61.7	50.1	75.1

Manual Integrations
APPROVED

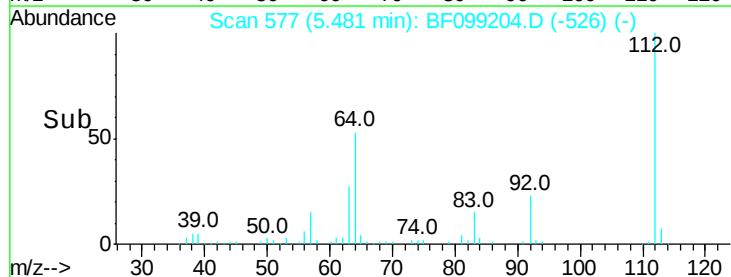
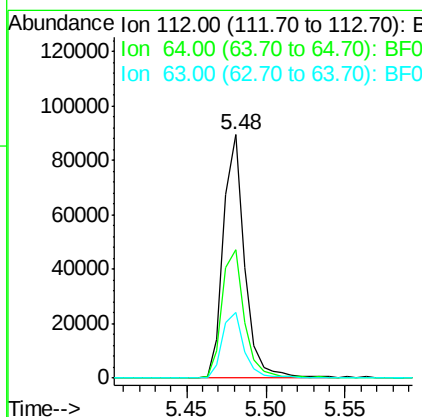
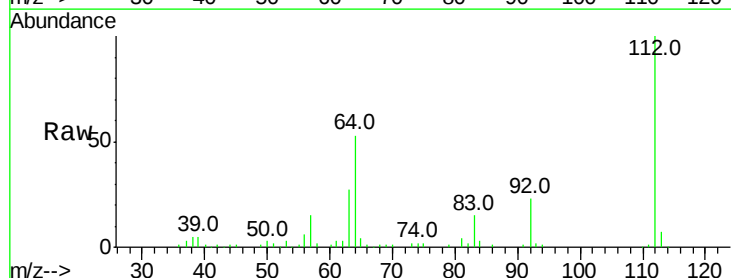
Sohil
10/9/2017 6:34:56 PM

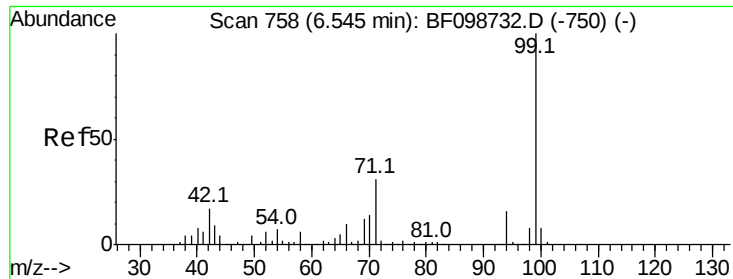


#5

2-Fluorophenol
Concen: 11.400 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF099204.D
Acq: 7 Oct 2017 19:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	47.9	71.9
63	26.9	23.7	35.5





#7

Phenol-d6

Concen: 11.172 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Instrument :

BNA_F

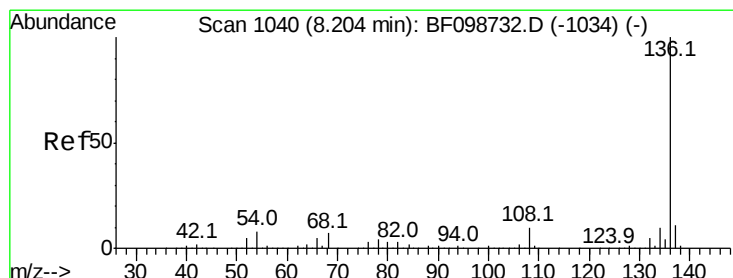
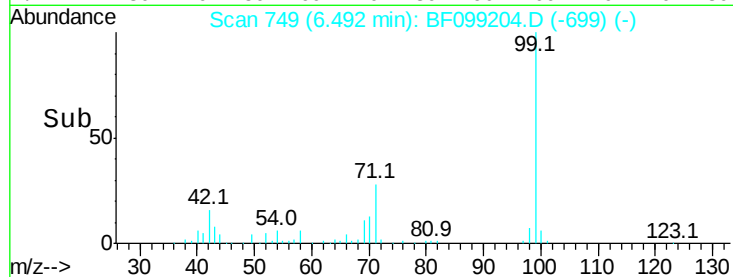
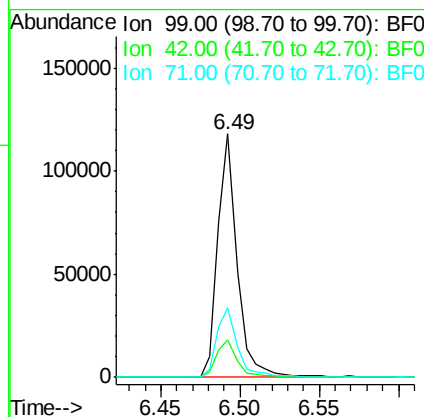
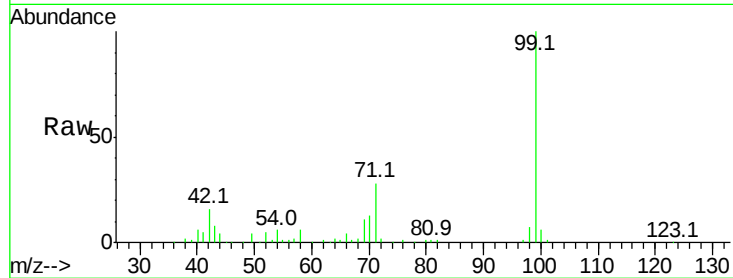
ClientSampleId :

G10-0-1.5

Tot Ion:	99	Resp:	100763
Ion Ratio	Lower	Upper	
99	100		
42	15.6	14.5	21.7
71	28.5	25.4	38.0

Manual Integrations
APPROVED

Sohil
10/9/2017 6:34:56 PM



#21

Naphthalene-d8

Concen: 20.000 ng

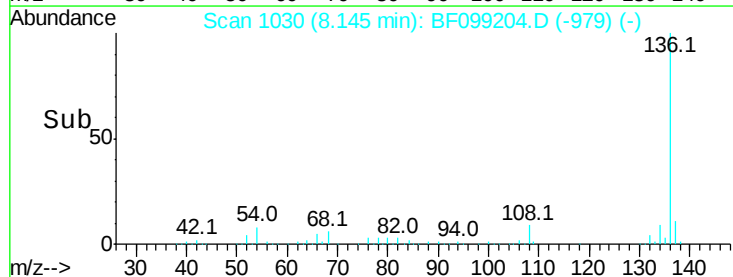
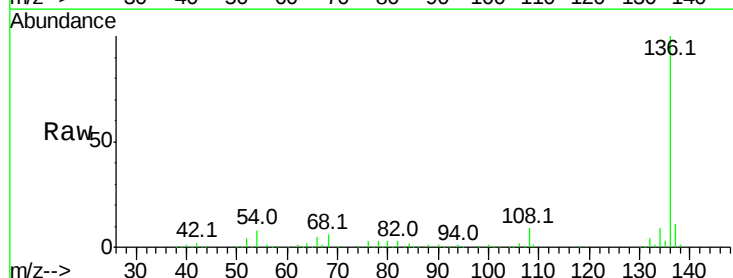
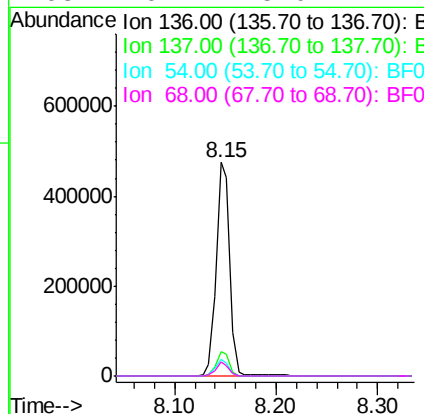
RT: 8.15 min Scan# 1030

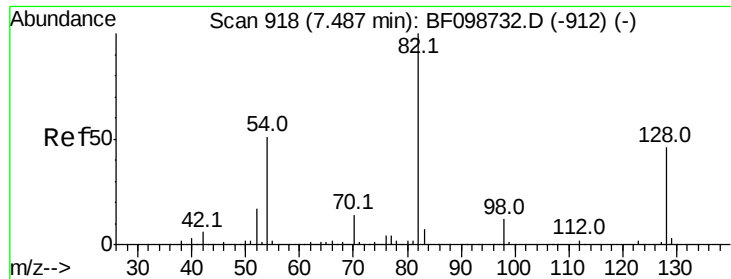
Delta R.T. -0.00 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Tgt Ion:	136	Resp:	441684
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.8	6.6	9.8
68	6.4	5.0	7.4





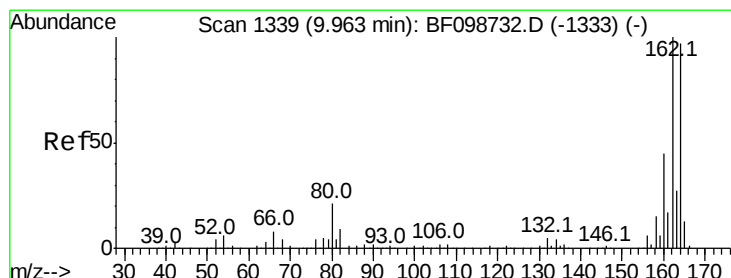
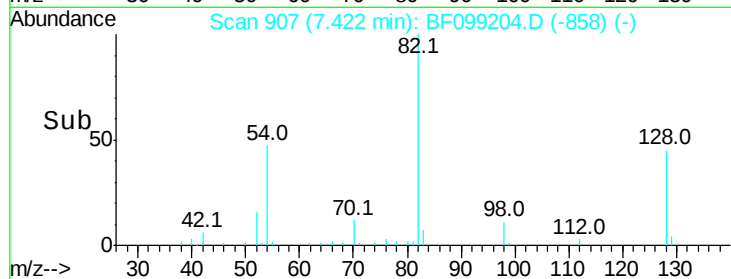
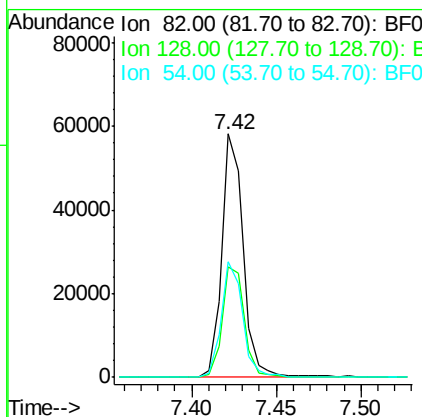
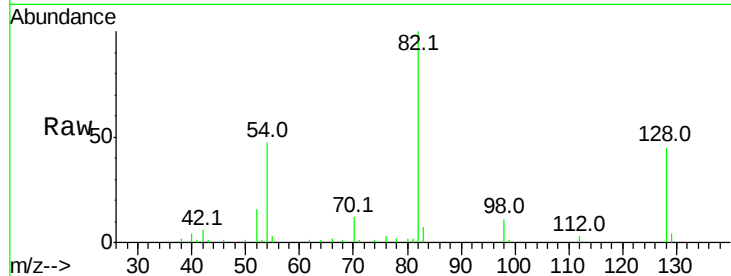
#23
 Nitrobenzene-d5
 Concen: 7.479 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF099204.D
 Acq: 7 Oct 2017 19:53

Instrument :
 BNA_F
 ClientSampleId :
 G10-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
82	100	51511		
128	45.4	36.1	54.1	
54	47.5	41.4	62.2	

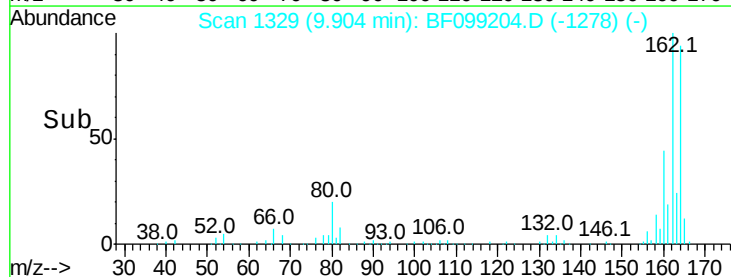
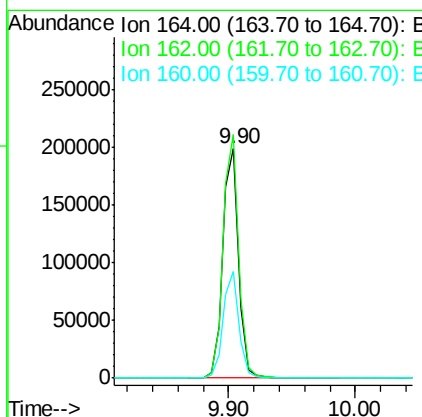
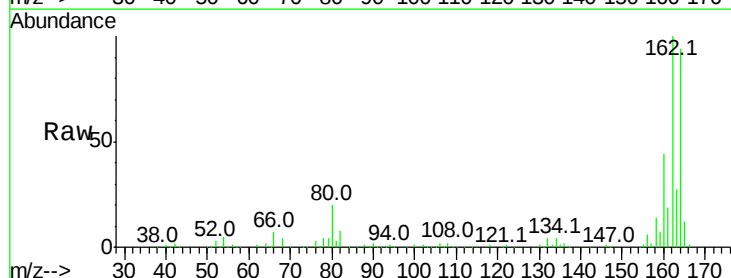
Manual Integrations
 APPROVED

Sohil
 10/9/2017 6:34:56 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: BF099204.D
 Acq: 7 Oct 2017 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	172468		
162	106.3	86.1	129.1	
160	46.3	38.3	57.5	





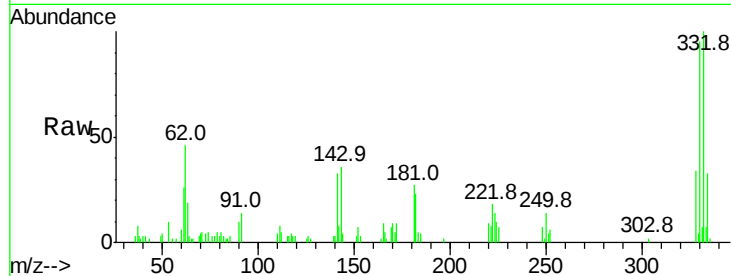
#41
 2,4,6-Tribromophenol
 Concen: 8.849 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.00 min
 Lab File: BF099204.D
 Acq: 7 Oct 2017 19:53

Instrument :
 BNA_F
 ClientSampled :
 G10-0-1.5

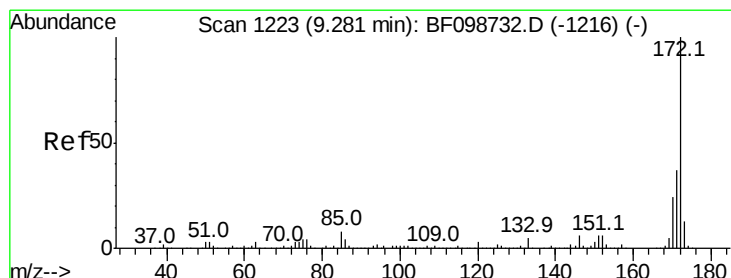
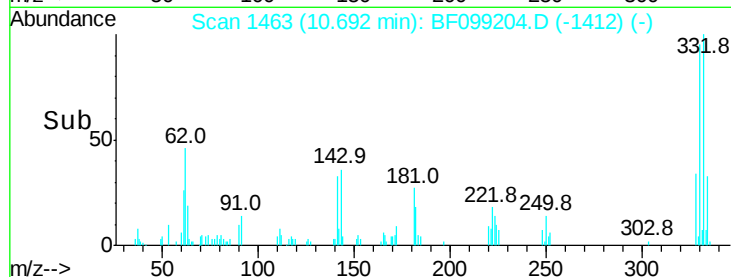
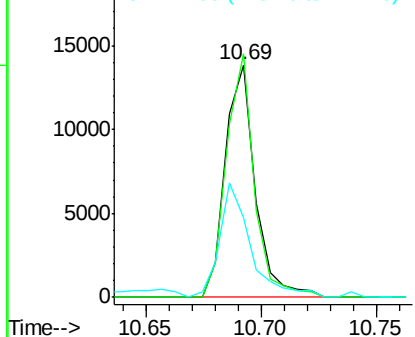
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	50.5	29.9	44.9

Manual Integrations
 APPROVED

Sohil
 10/9/2017 6:34:56 PM



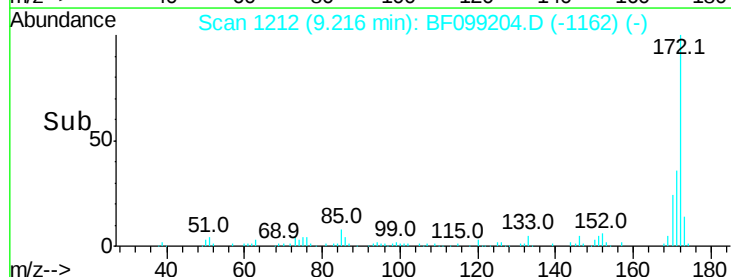
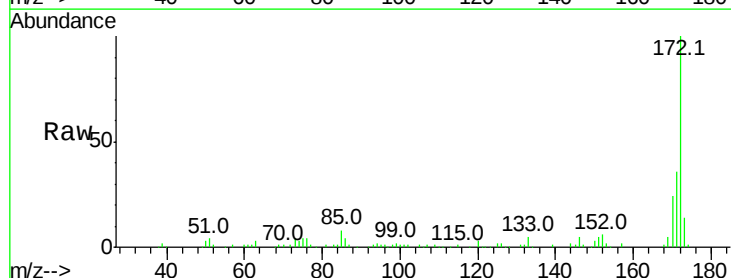
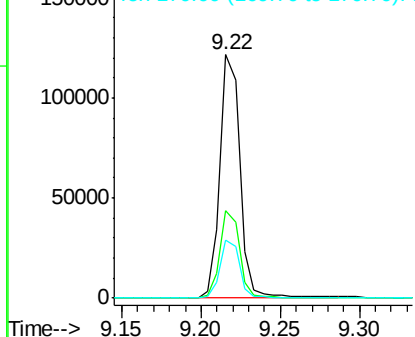
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

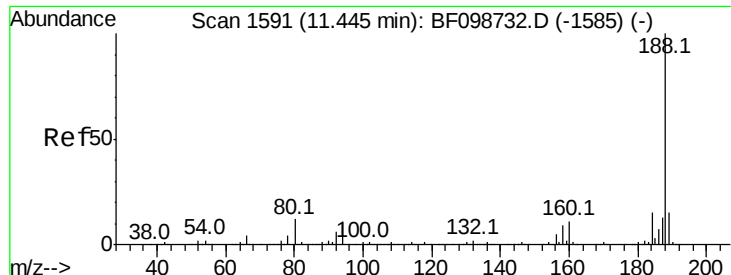


#44
 2-Fluorobiphenyl
 Concen: 10.435 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099204.D
 Acq: 7 Oct 2017 19:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.1	19.6	29.4

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





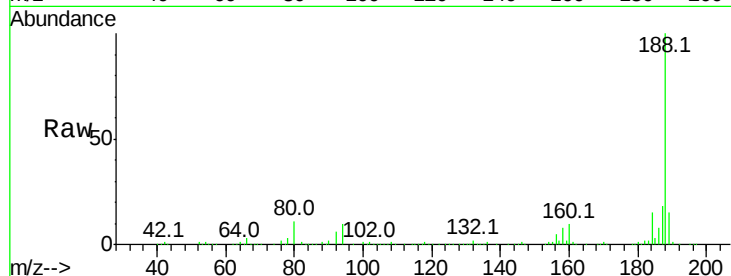
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BF099204.D
Acq: 7 Oct 2017 19:53

Instrument :
BNA_F
ClientSampleId :
G10-0-1.5

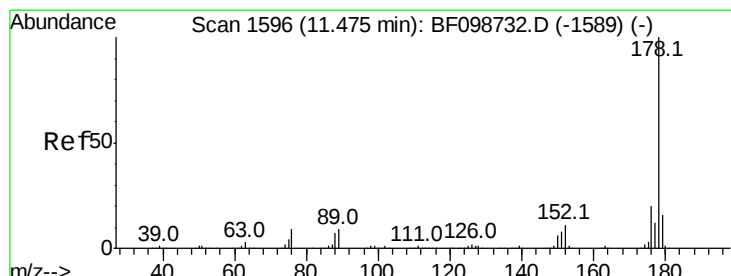
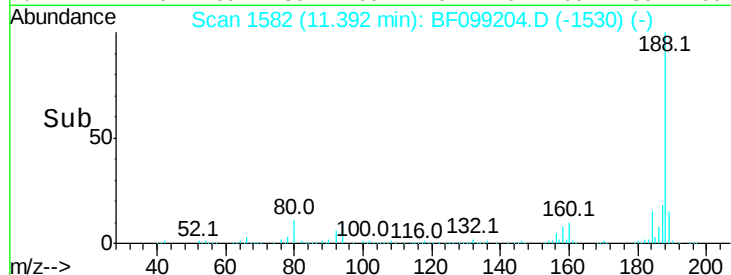
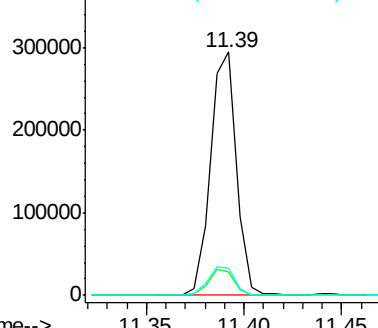
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.8	8.5	12.7
80	11.0	9.2	13.8

Manual Integrations
APPROVED

Sohil
10/9/2017 6:34:56 PM

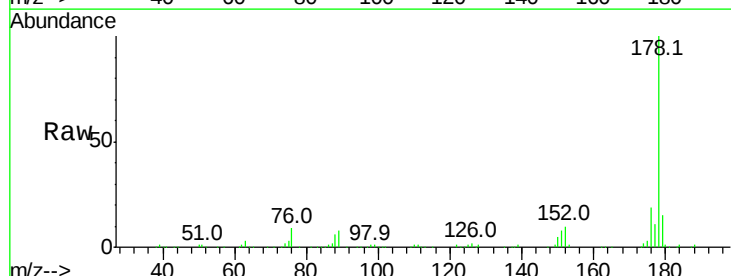


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

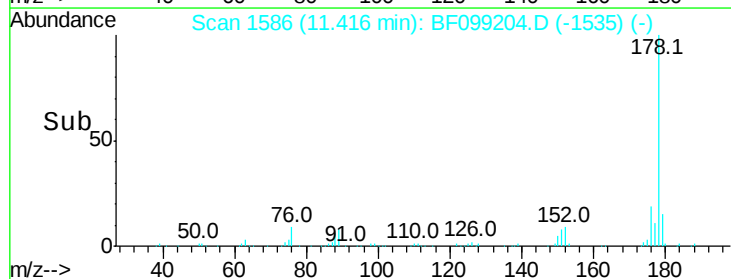
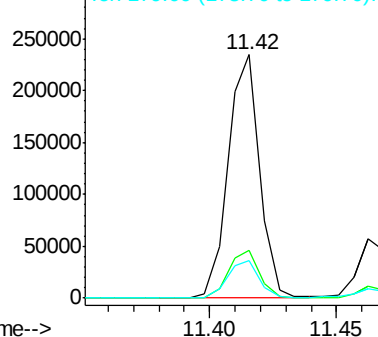


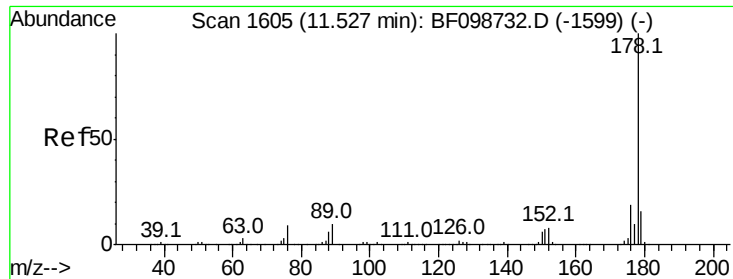
#70
Phenanthrene
Concen: 13.946 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF099204.D
Acq: 7 Oct 2017 19:53

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.5	13.0	19.6



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





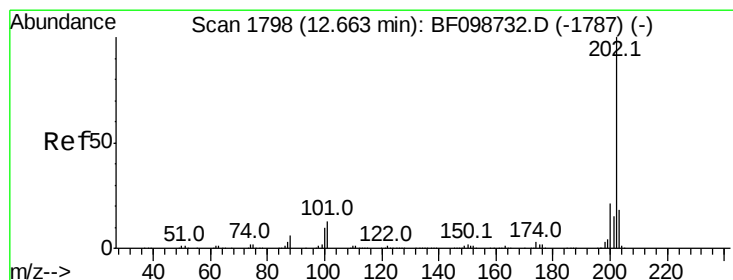
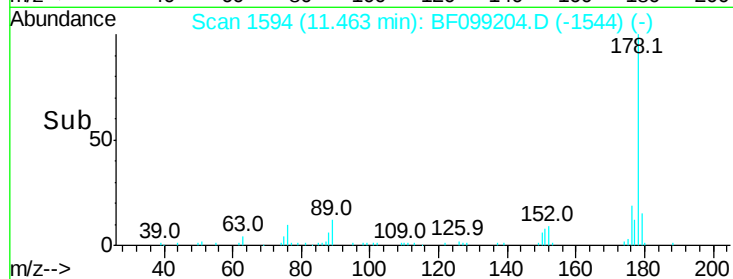
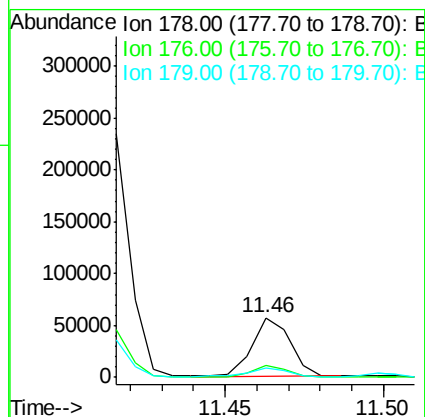
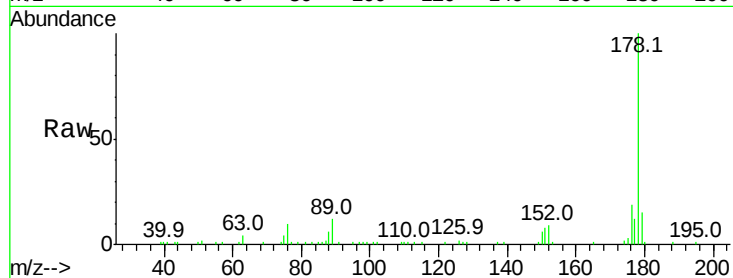
#71
 Anthracene
 Concen: 3.158 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF099204.D
 Acq: 7 Oct 2017 19:53

Instrument :
 BNA_F
 ClientSampleId :
 G10-0-1.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.0	12.6	19.0

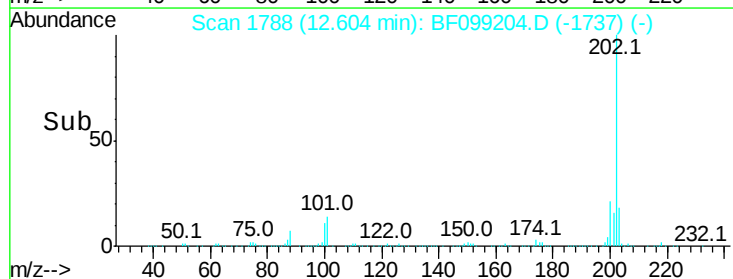
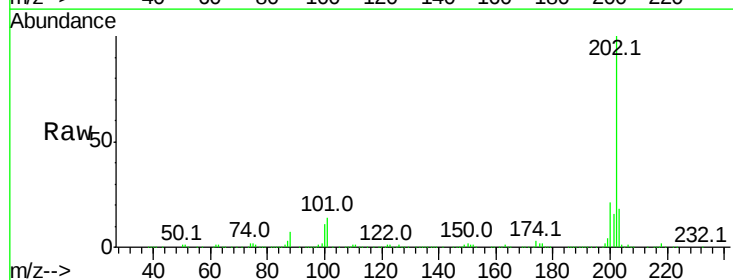
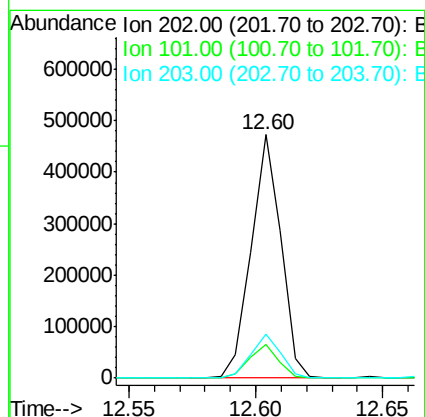
Manual Integrations
 APPROVED

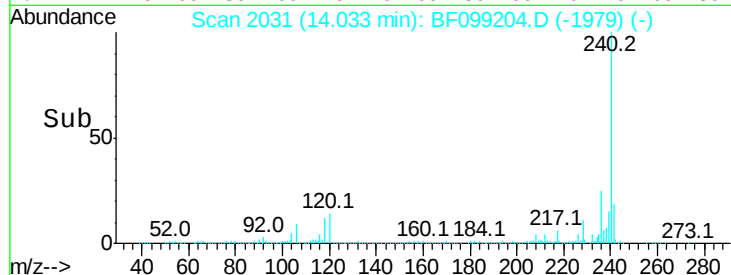
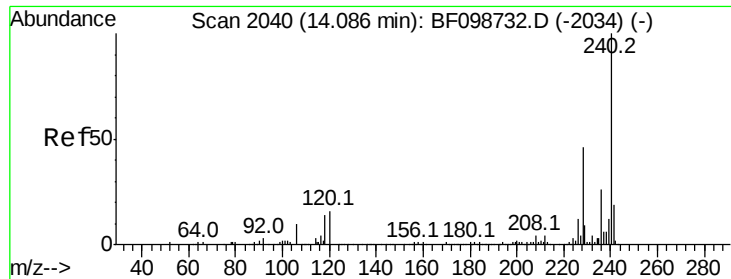
Sohil
 10/9/2017 6:34:56 PM



#74
 Fluoranthene
 Concen: 26.321 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: BF099204.D
 Acq: 7 Oct 2017 19:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.1
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Instrument :

BNA_F

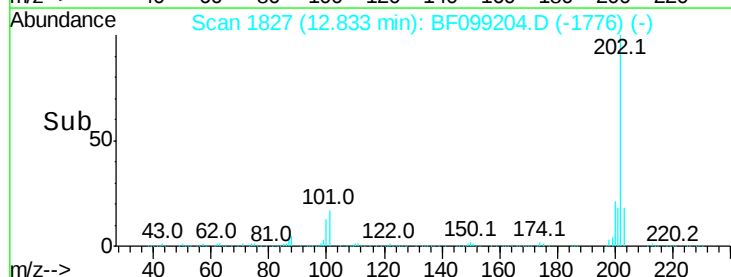
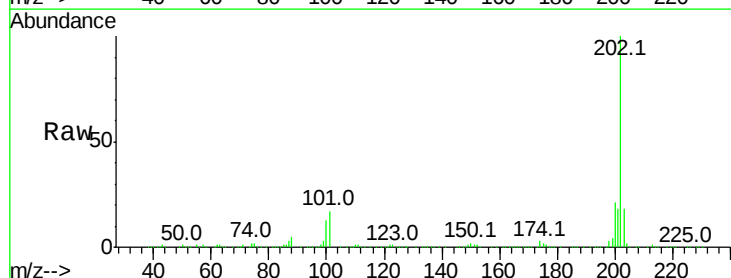
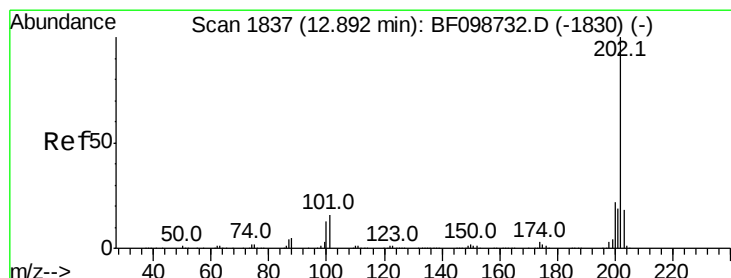
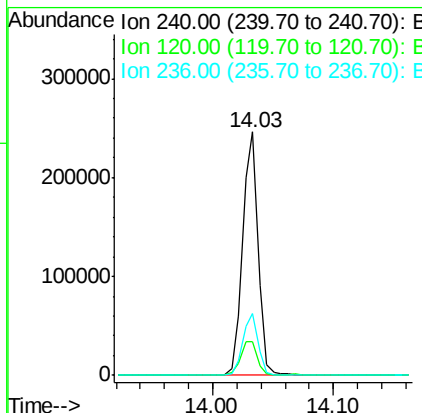
ClientSampled :

G10-0-1.5

Tot Ion:	240	Resp:	220820
Ion Ratio	Lower	Upper	
240	100		
120	13.8	9.5	14.3
236	25.6	20.7	31.1

Manual Integrations
APPROVED

Sohil
10/9/2017 6:34:56 PM



#77

Pyrene

Concen: 21.359 ng

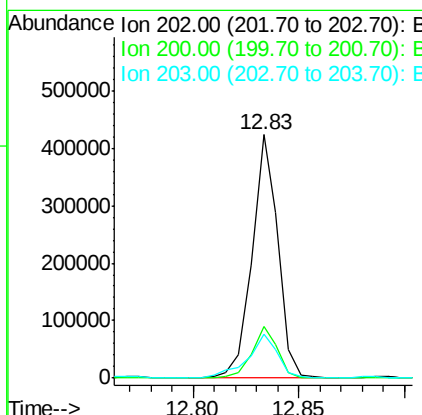
RT: 12.83 min Scan# 1827

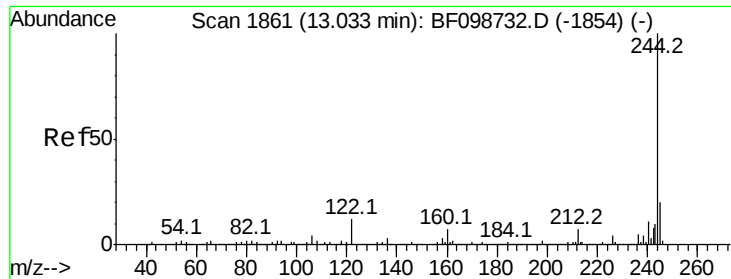
Delta R.T. -0.00 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Tgt Ion:	202	Resp:	359652
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	18.0	14.3	21.5





#78

Terphenyl-d14

Concen: 8.279 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Instrument :

BNA_F

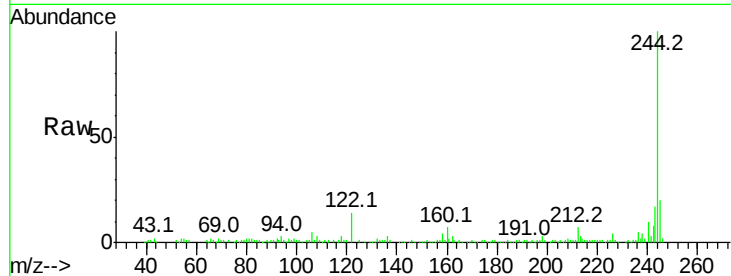
ClientSampled :

G10-0-1.5

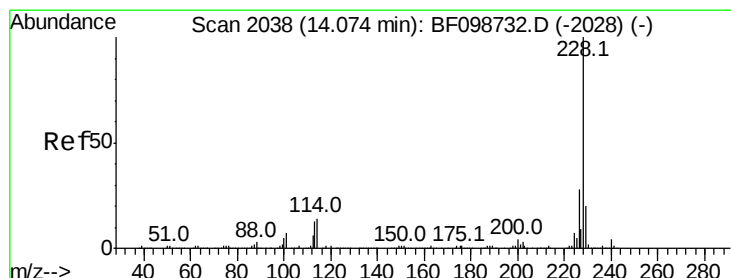
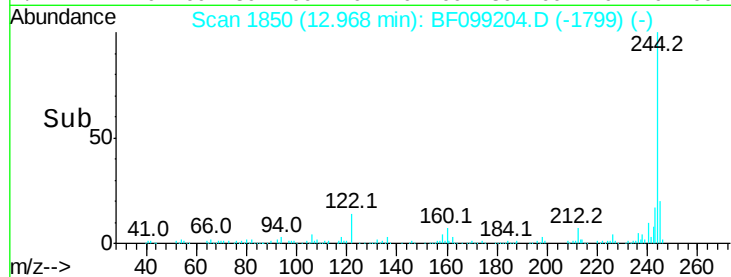
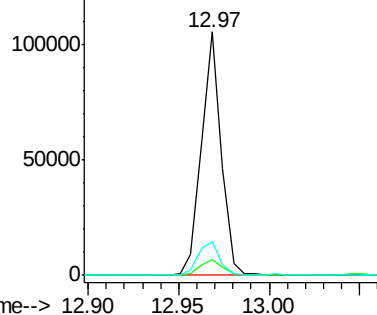
Tot Ion:	244	Resp:	80388
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	14.0	11.0	16.4

Manual Integrations
APPROVED

Sohil
10/9/2017 6:34:56 PM



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



#80

Benzo(a)anthracene

Concen: 12.240 ng

RT: 14.02 min Scan# 2029

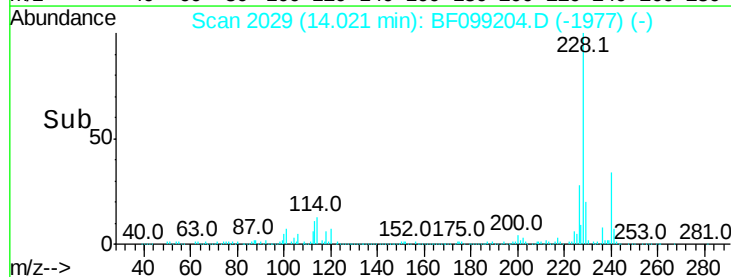
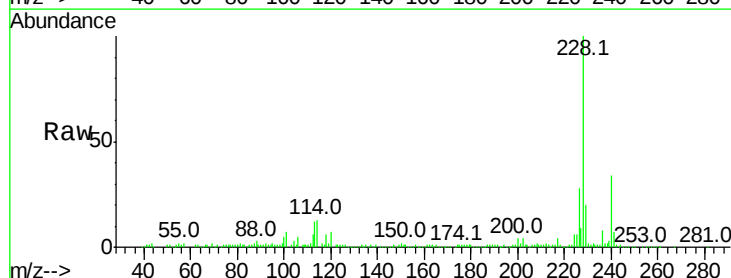
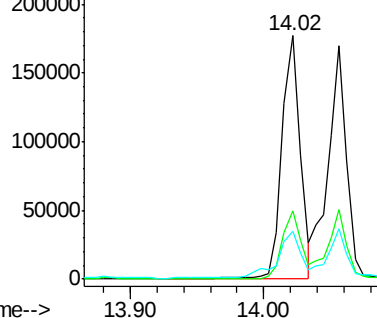
Delta R.T. 0.01 min

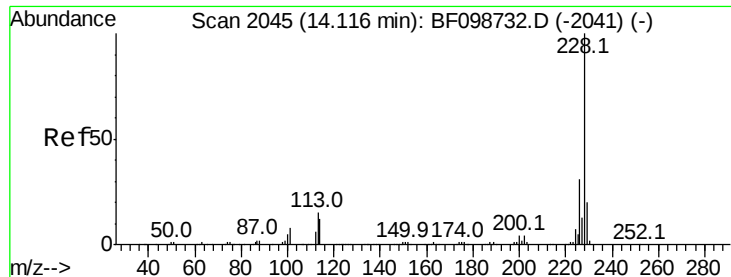
Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Tgt Ion:	228	Resp:	163659
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.6	33.8
229	19.9	15.8	23.6

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





#82

Chrysene

Concen: 11.818 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Instrument :

BNA_F

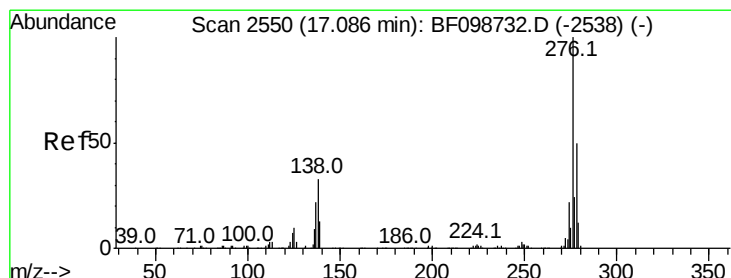
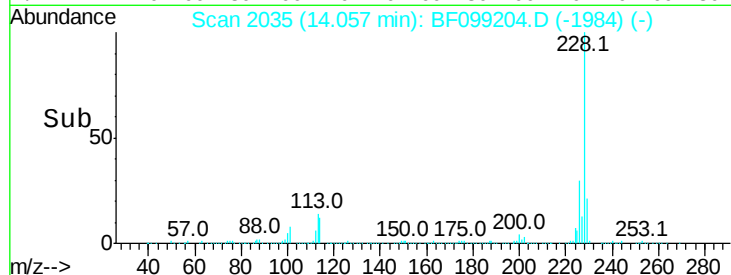
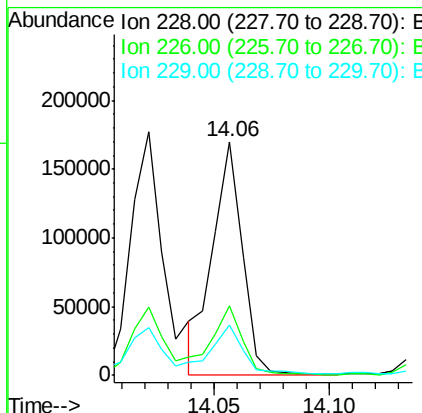
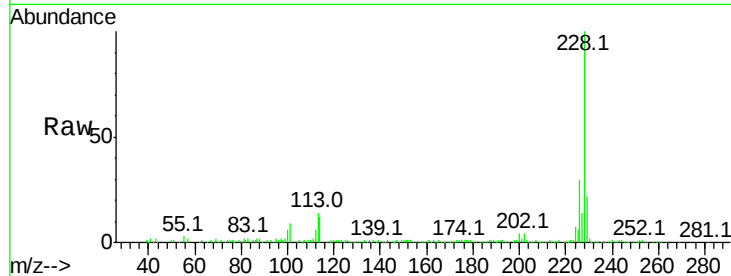
ClientSampleId :

G10-0-1.5

Tot Ion:	228	Resp:	150442
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.0	37.6
229	21.5	16.2	24.4

Manual Integrations
APPROVED

Sohil
10/9/2017 6:34:56 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.139 ng

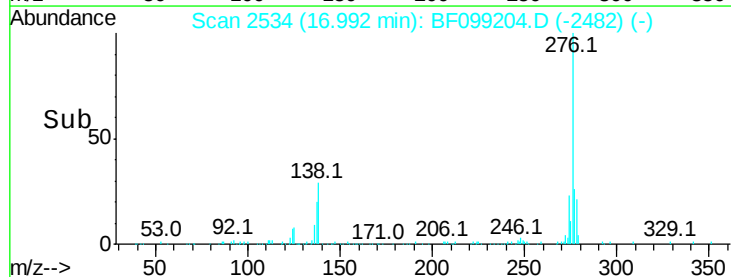
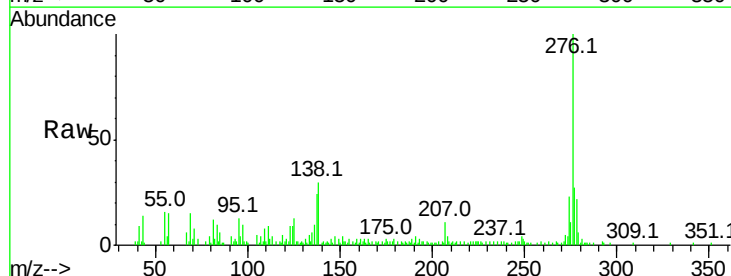
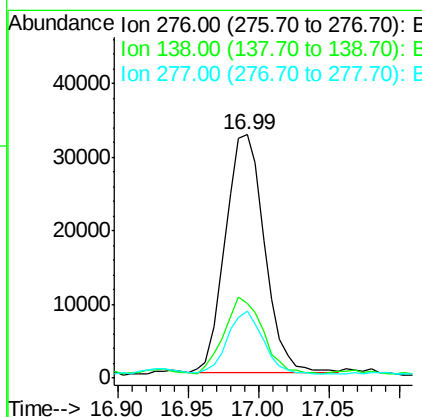
RT: 16.99 min Scan# 2534

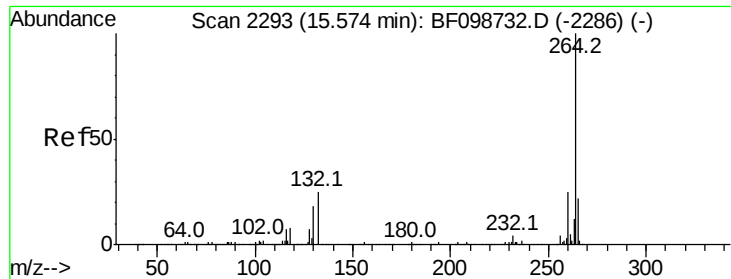
Delta R.T. 0.01 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Tgt Ion:	276	Resp:	62517
Ion Ratio	Lower	Upper	
276	100		
138	32.0	25.0	37.6
277	24.4	20.1	30.1





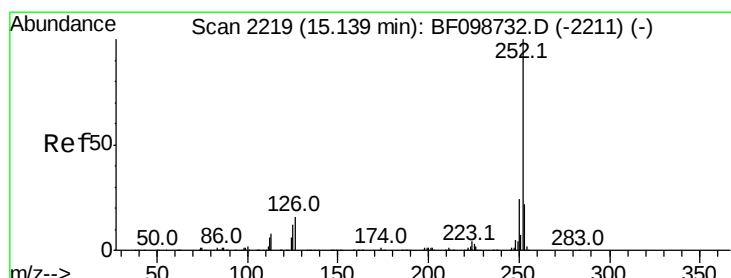
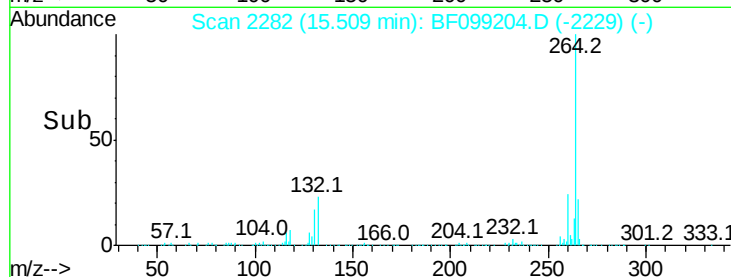
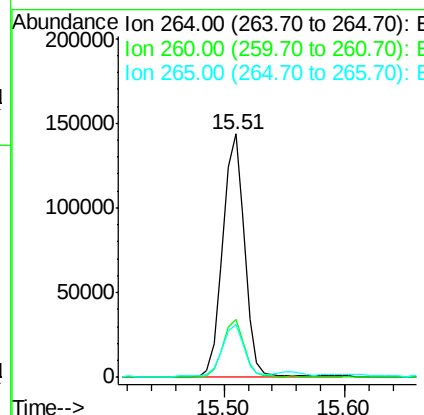
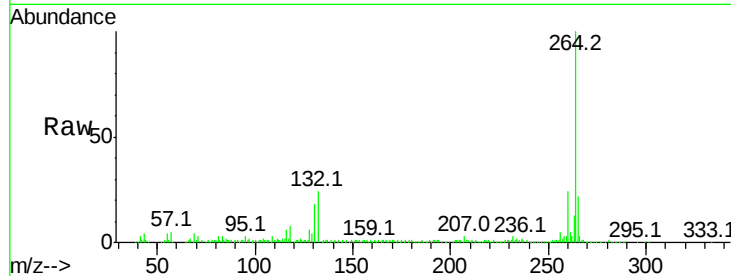
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF099204.D
Acq: 7 Oct 2017 19:53

Instrument :
BNA_F
ClientSampleId :
G10-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.0	19.2	28.8	
265	21.9	17.5	26.3	

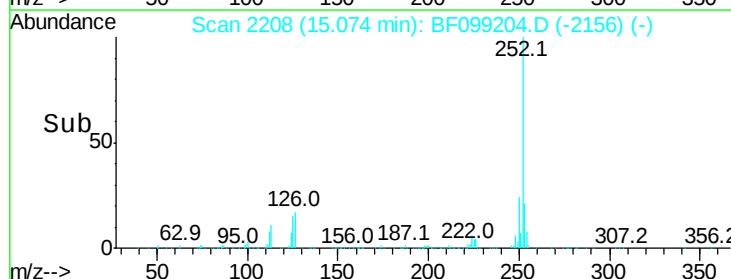
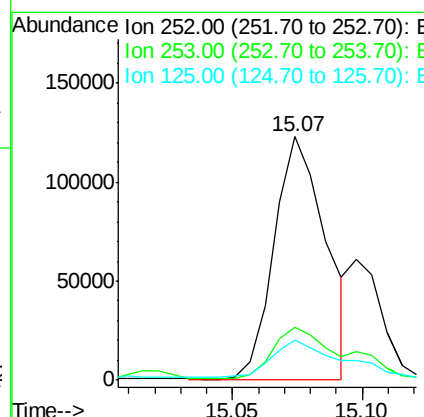
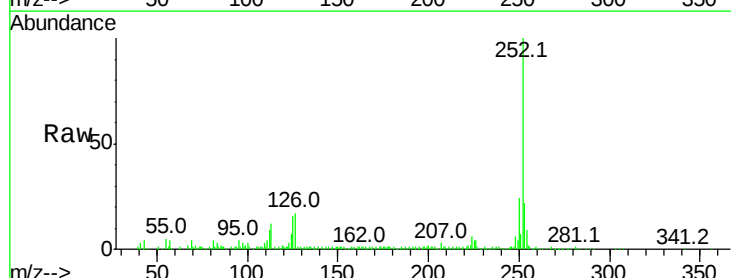
Manual Integrations
APPROVED

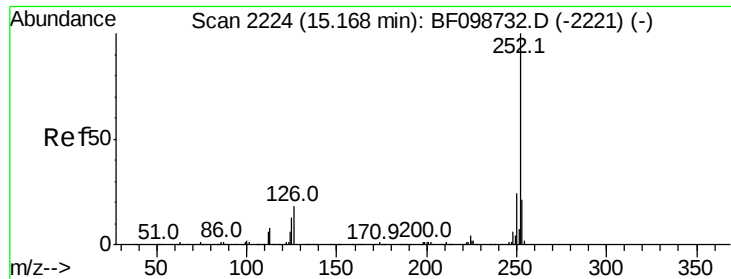
Sohil
10/9/2017 6:34:56 PM



#87
Benzo(b)fluoranthene
Concen: 15.530 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF099204.D
Acq: 7 Oct 2017 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	21.9	17.0	25.6	
125	16.3	9.0	13.6	





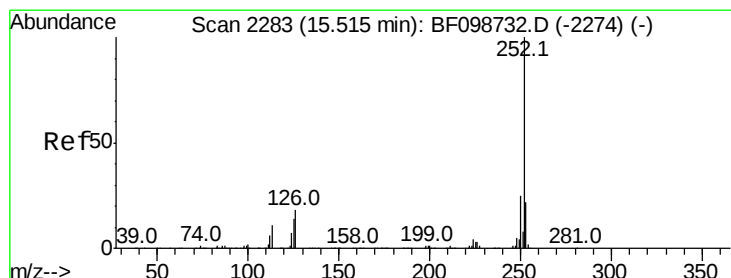
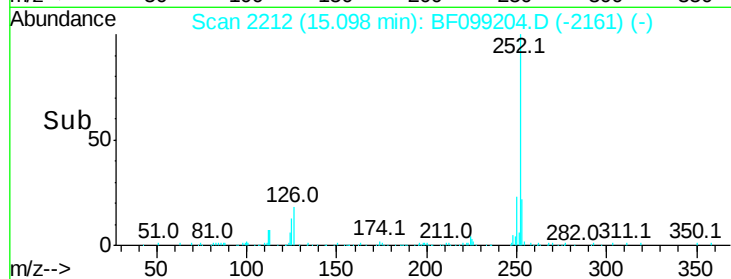
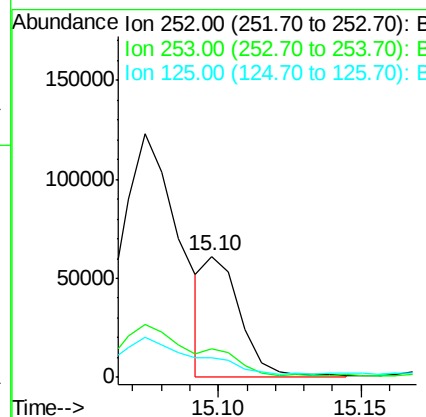
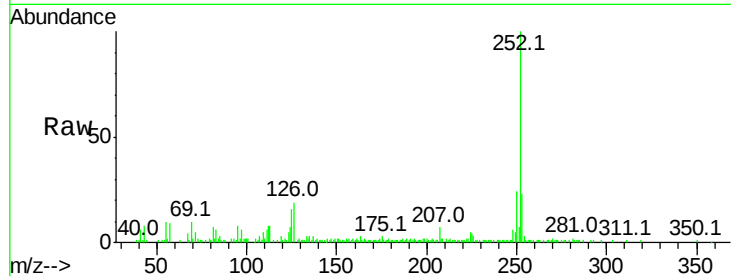
#88
Benzo(k)fluoranthene
Concen: 4.960 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF099204.D
Acq: 7 Oct 2017 19:53

Instrument :
BNA_F
ClientSampleId :
G10-0-1.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	15.9	10.2	15.2

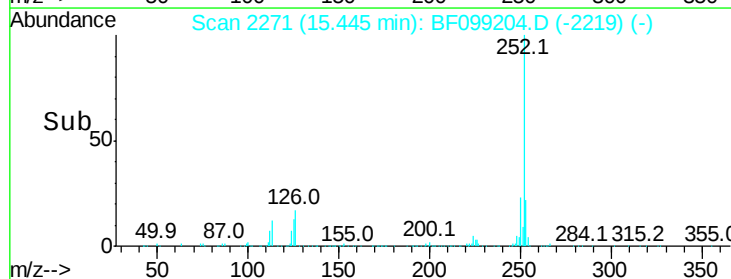
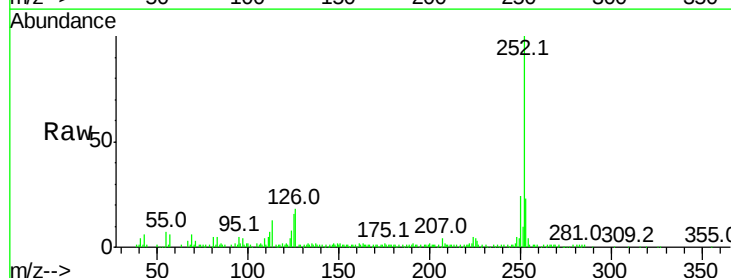
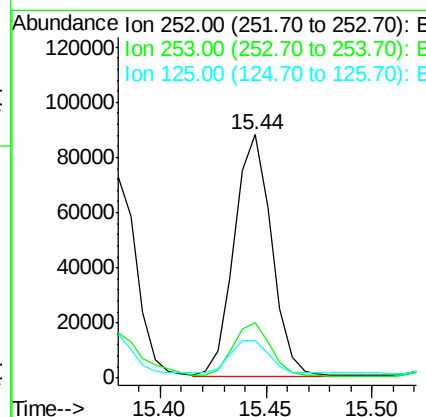
Manual Integrations
APPROVED

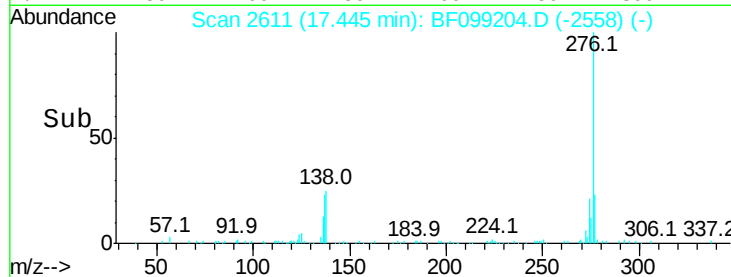
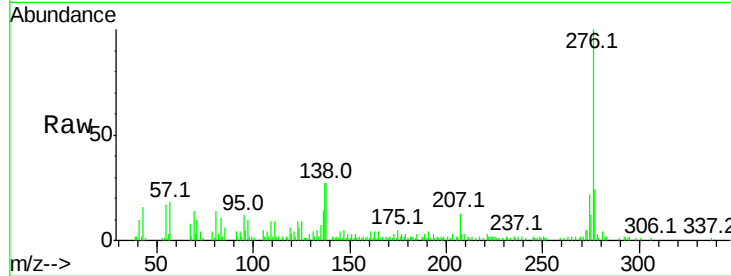
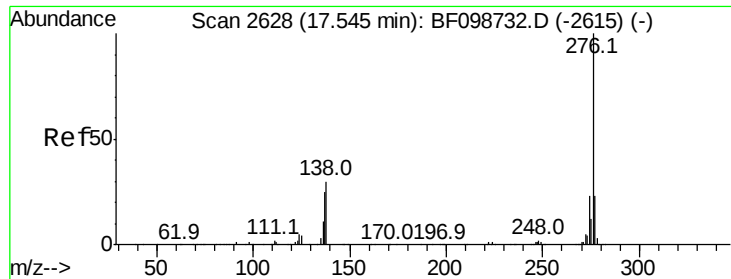
Sohil
10/9/2017 6:34:56 PM



#89
Benzo(a)pyrene
Concen: 10.554 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF099204.D
Acq: 7 Oct 2017 19:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	15.6	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 7.886 ng

RT: 17.44 min Scan# 2611

Delta R.T. 0.01 min

Lab File: BF099204.D

Acq: 7 Oct 2017 19:53

Tot Ion:	276	Resp:	63588
Ion Ratio	Lower	Upper	
276	100		
277	23.9	17.9	26.9
138	26.7	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

G10-0-1.5

Manual Integrations
APPROVED

Sohil
10/9/2017 6:34:56 PM

