

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
 Data File : BF101451.D
 Acq On : 15 Dec 2017 19:00
 Operator : SJ/JU
 Sample : I6679-03 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121317-A

Manual Integrations
 APPROVED

Sohil
 12/18/2017 2:04:16 PM

Quant Time: Dec 15 22:14:10 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 17:36:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	177770	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	684153	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	285605	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	461737	20.00	ng	0.00
75) Chrysene-d12	13.99	240	344523	20.00	ng	0.00
86) Perylene-d12	15.47	264	297207	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	260344	21.81	ng	0.00
7) Phenol-d6	6.45	99	323388	21.77	ng	0.00
23) Nitrobenzene-d5	7.38	82	186058	15.14	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	56048	20.37	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	342002	18.58	ng	0.00
78) Terphenyl-d14	12.93	244	251288	17.58	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	11.37	178	86557	3.371	ng	97
74) Fluoranthene	12.56	202	129552	4.807	ng	97
77) Pyrene	12.79	202	113463	4.388	ng	98
80) Benzo(a)anthracene	13.98	228	50366	2.214	ng	96
82) Chrysene	14.02	228	49031	2.283	ng	98
83) Bis(2-ethylhexyl)phthalate	13.95	149	31209	2.106	ng	100
87) Benzo(b)fluoranthene	15.04	252	58778m	3.245	ng	
89) Benzo(a)pyrene	15.41	252	40477	2.424	ng	# 93

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

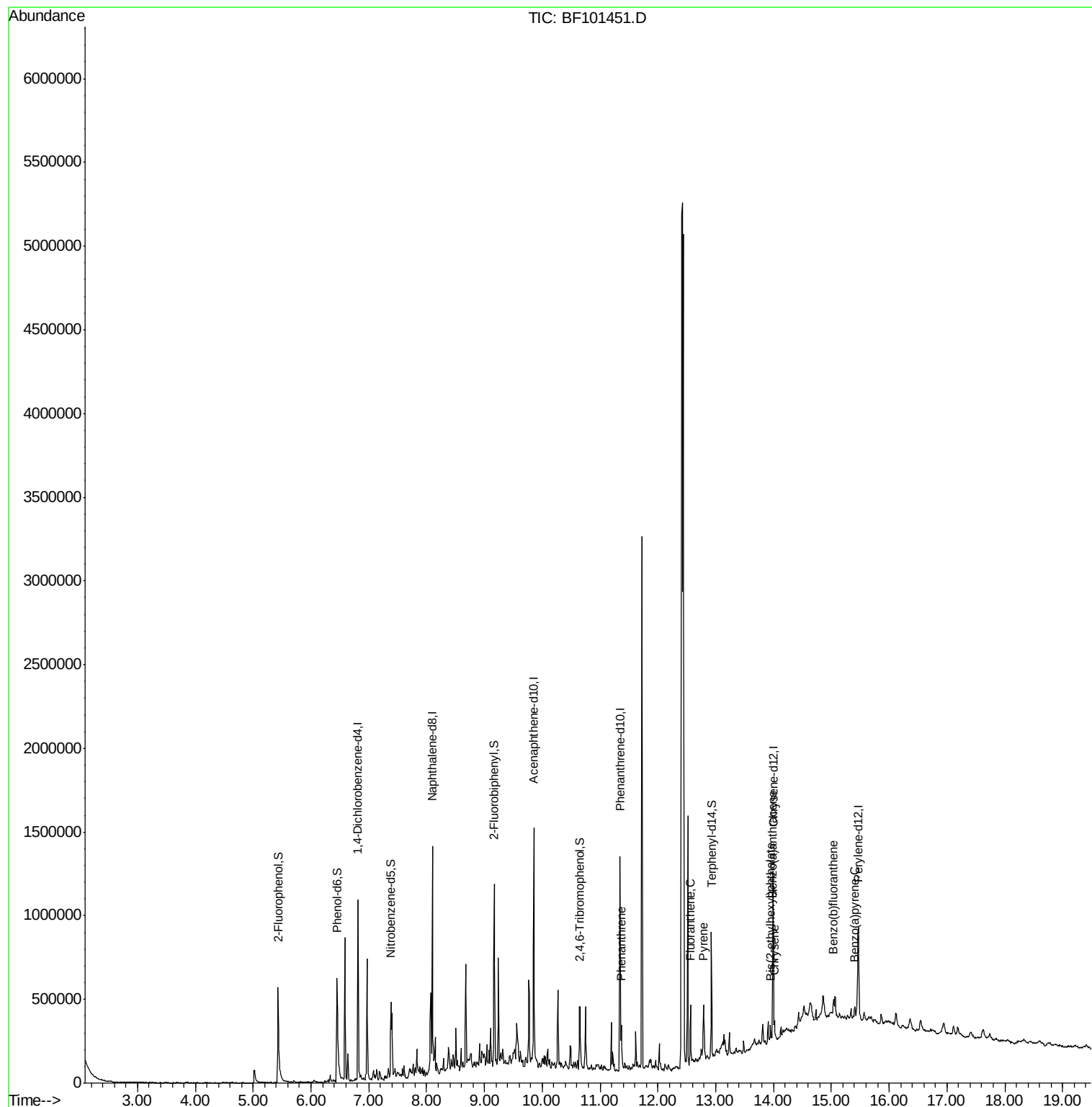
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101451.D
Acq On : 15 Dec 2017 19:00
Operator : SJ/JU
Sample : I6679-03 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

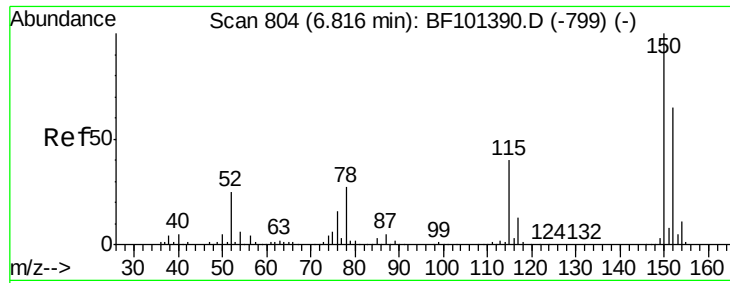
Instrument :
BNA_F
ClientSampleId :
HR-05-121317-A

Manual Integrations
APPROVED

Sohil
12/18/2017 2:04:16 PM

Quant Time: Dec 15 22:14:10 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 15 17:36:17 2017
Response via : Initial Calibration





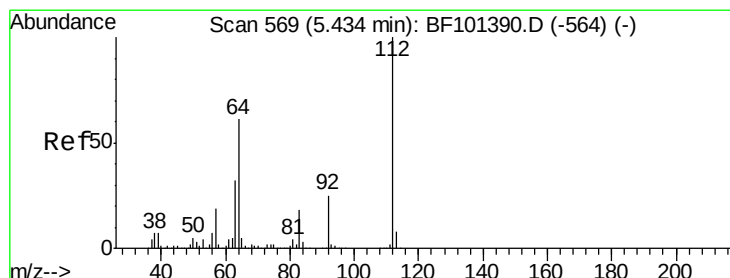
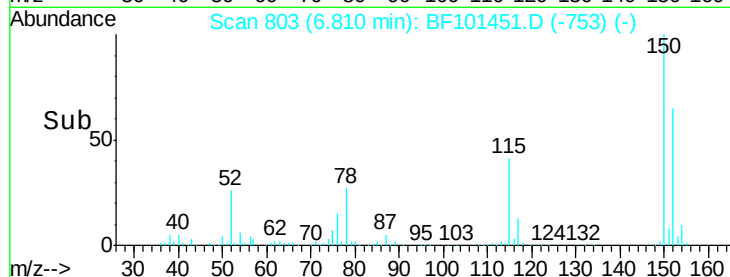
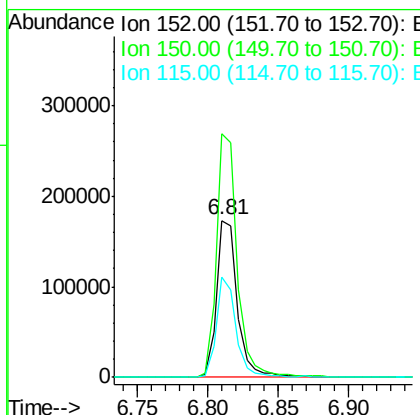
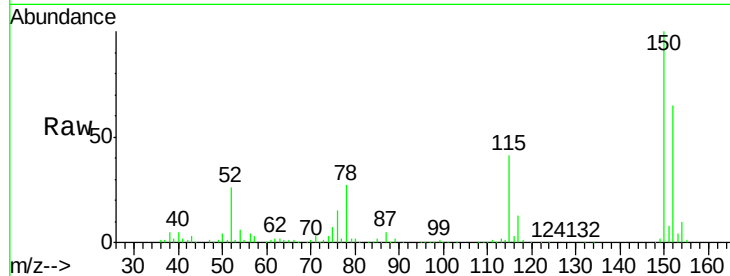
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF101451.D
 Acq: 15 Dec 2017 19:00

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121317-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	63.6	50.1	75.1

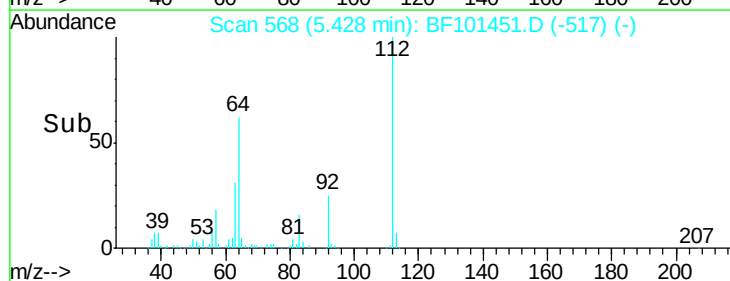
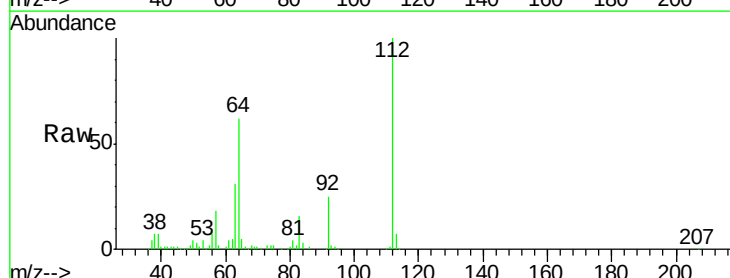
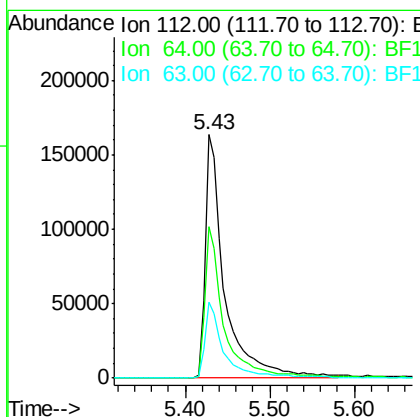
Manual Integrations
 APPROVED

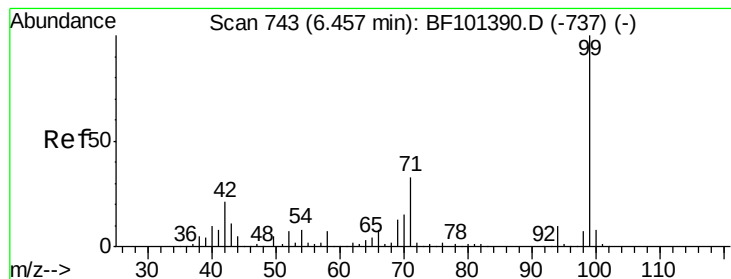
Sohil
 12/18/2017 2:04:16 PM



#5
 2-Fluorophenol
 Concen: 21.815 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: BF101451.D
 Acq: 15 Dec 2017 19:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	47.9	71.9
63	31.1	23.7	35.5





#7

Phenol-d6

Concen: 21.773 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

Instrument :

BNA_F

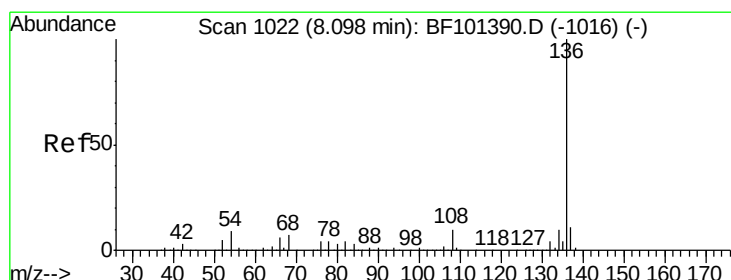
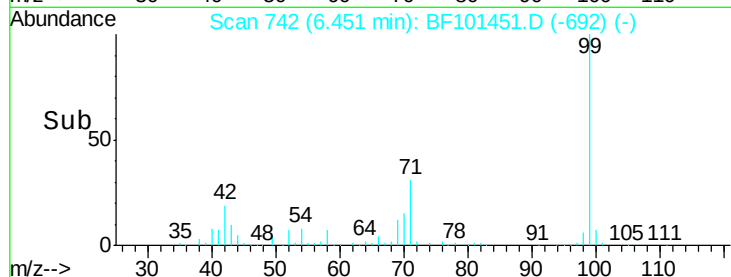
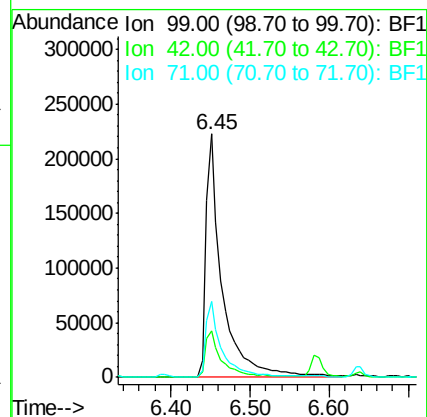
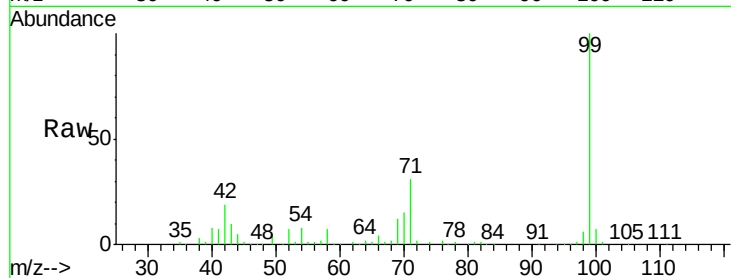
ClientSampleId :

HR-05-121317-A

Tgt Ion:	99	Resp:	323388
Ion Ratio	Lower	Upper	
99	100		
42	18.9	14.5	21.7
71	31.2	25.4	38.0

Manual Integrations
APPROVED

Sohil
12/18/2017 2:04:16 PM



#21

Naphthalene-d8

Concen: 20.000 ng

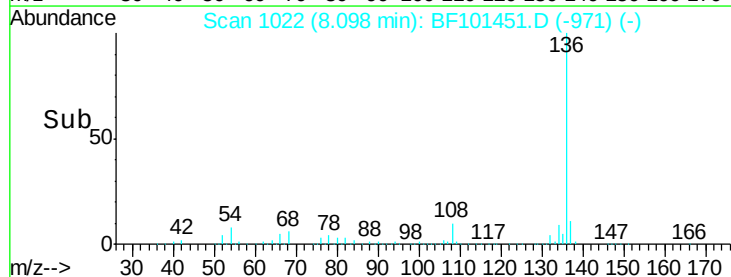
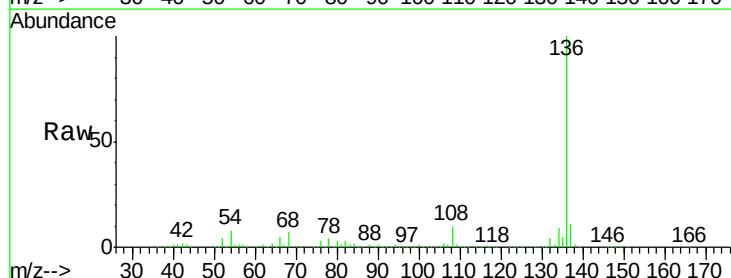
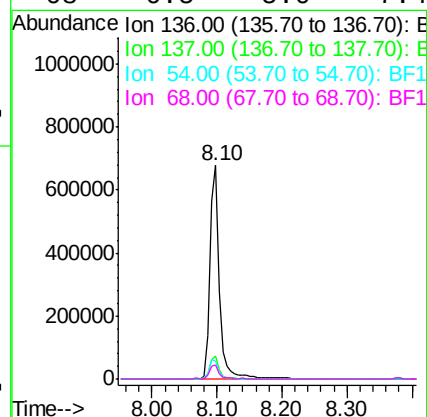
RT: 8.10 min Scan# 1022

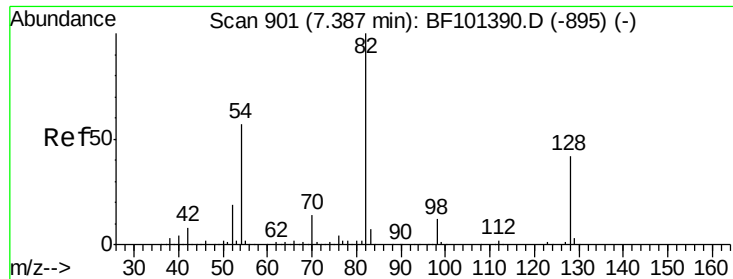
Delta R.T. 0.00 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

Tgt Ion:	136	Resp:	684153
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.2	6.6	9.8
68	6.5	5.0	7.4





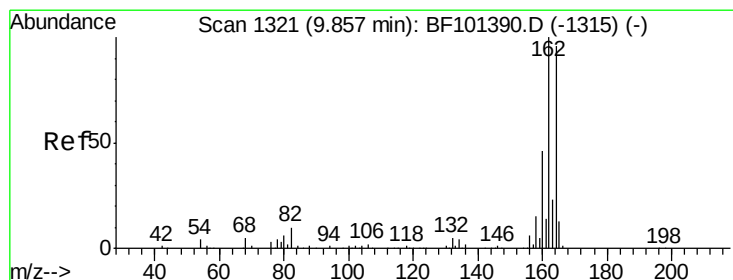
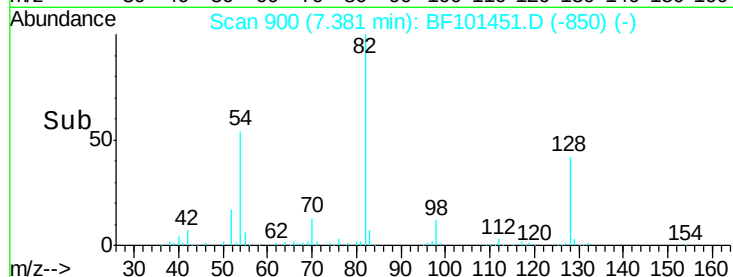
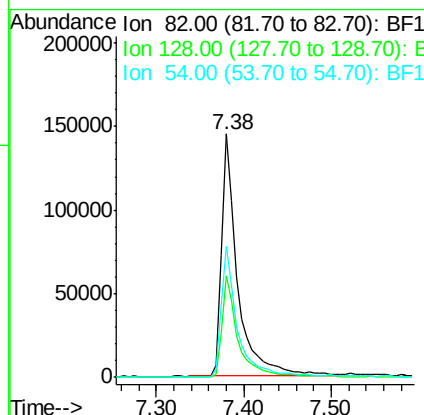
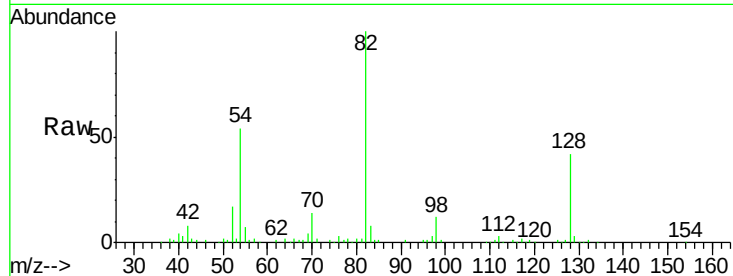
#23
Nitrobenzene-d5
Concen: 15.139 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF101451.D
Acq: 15 Dec 2017 19:00

Instrument :
BNA_F
ClientSampleId :
HR-05-121317-A

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	186058		
128	41.6	36.1	54.1	
54	53.7	41.4	62.2	

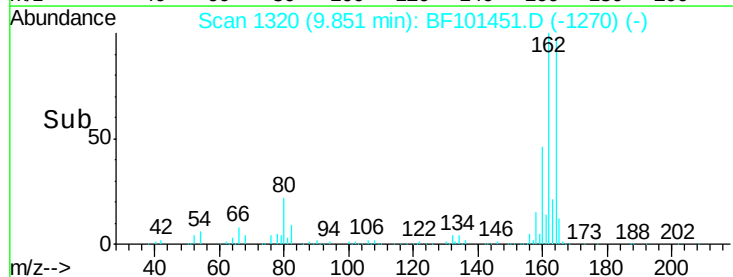
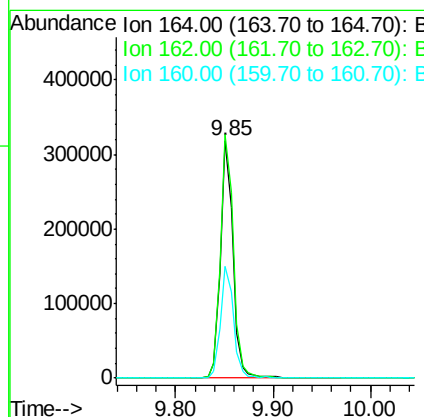
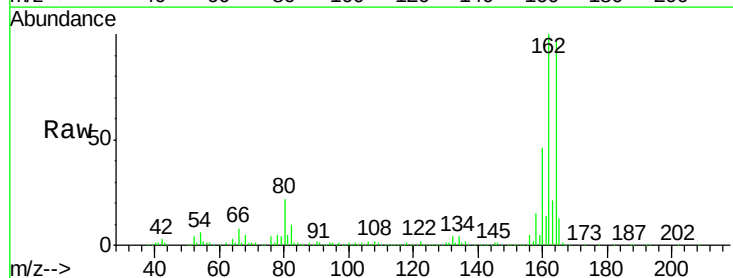
Manual Integrations
APPROVED

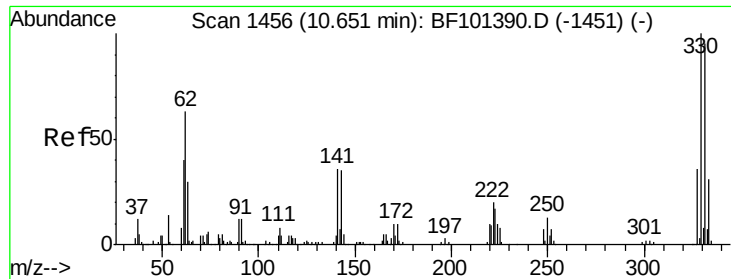
Sohil
12/18/2017 2:04:16 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101451.D
Acq: 15 Dec 2017 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	285605		
162	102.6	86.1	129.1	
160	47.3	38.3	57.5	





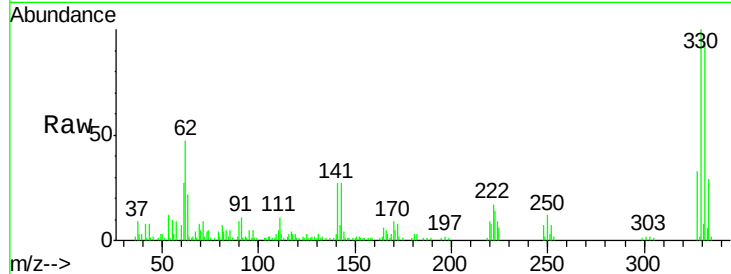
#41
 2,4,6-Tribromophenol
 Concen: 20.366 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BF101451.D
 Acq: 15 Dec 2017 19:00

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121317-A

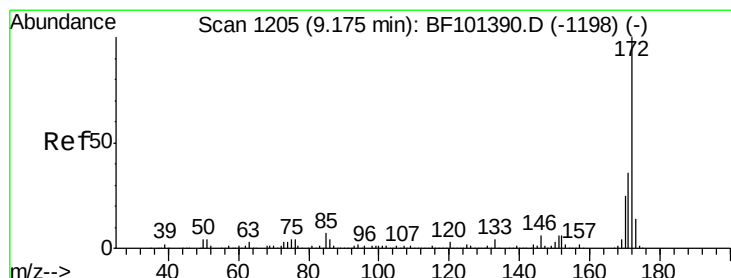
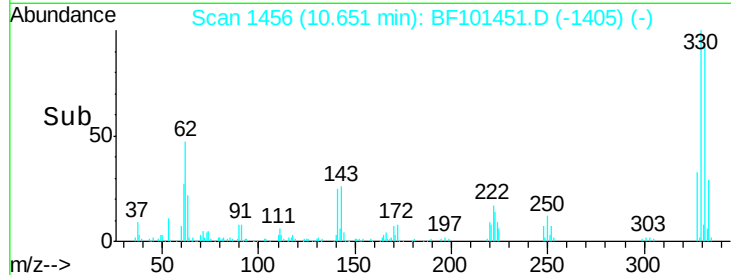
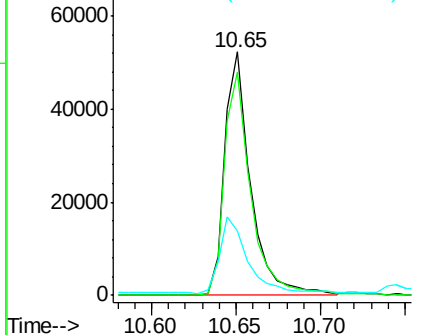
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	56048		
332	94.9	77.0	115.6	
141	34.7	29.9	44.9	

Manual Integrations
 APPROVED

Sohil
 12/18/2017 2:04:16 PM

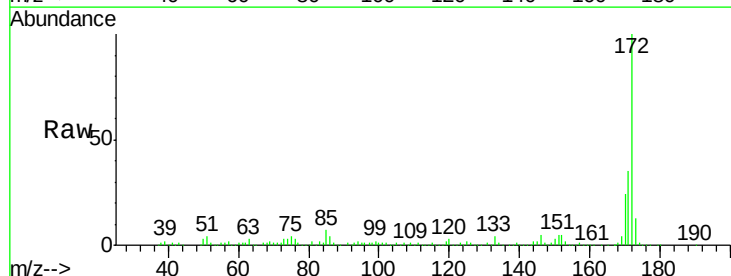


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

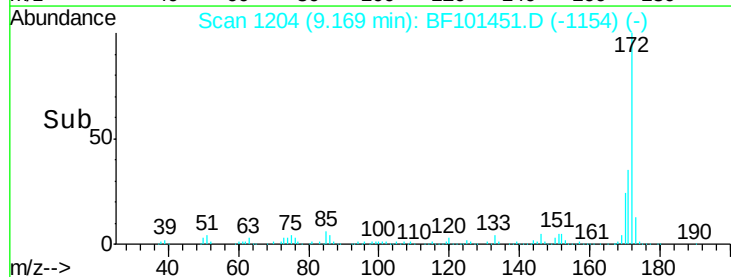
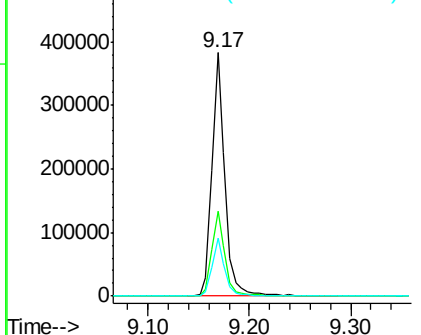


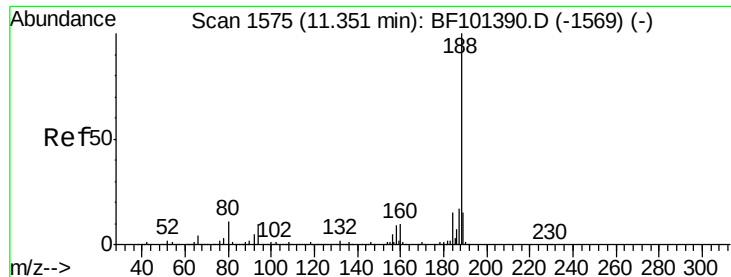
#44
 2-Fluorobiphenyl
 Concen: 18.576 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF101451.D
 Acq: 15 Dec 2017 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	342002		
171	35.0	29.7	44.5	
170	23.9	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





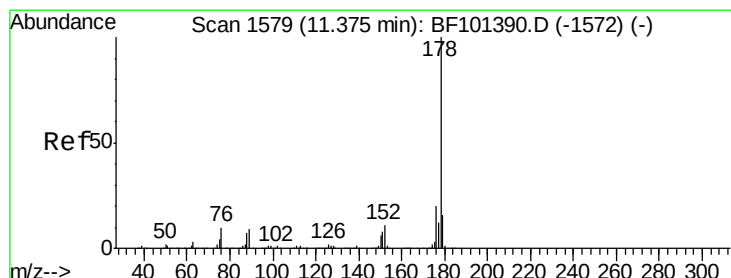
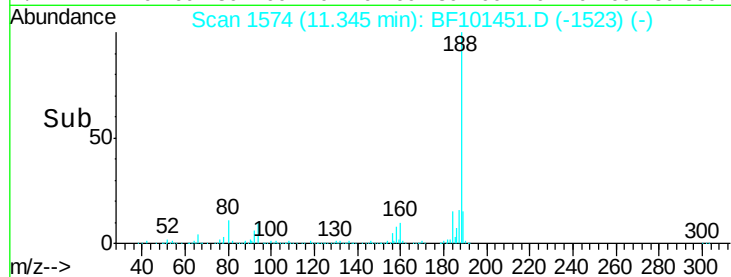
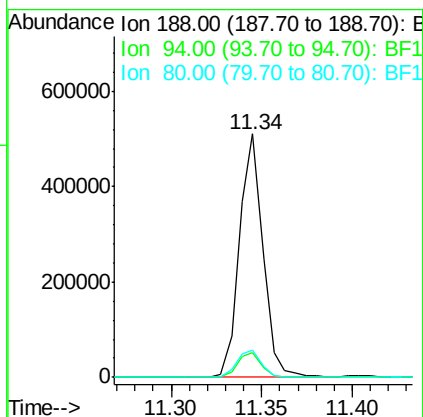
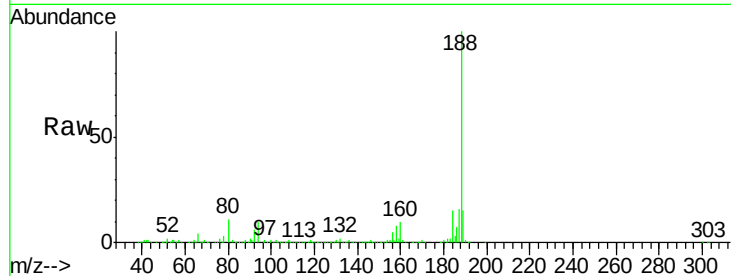
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF101451.D
Acq: 15 Dec 2017 19:00

Instrument :
BNA_F
ClientSampleId :
HR-05-121317-A

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.0	8.5	12.7
80	11.0	9.2	13.8

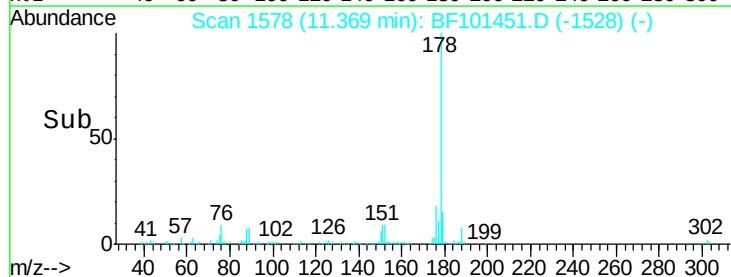
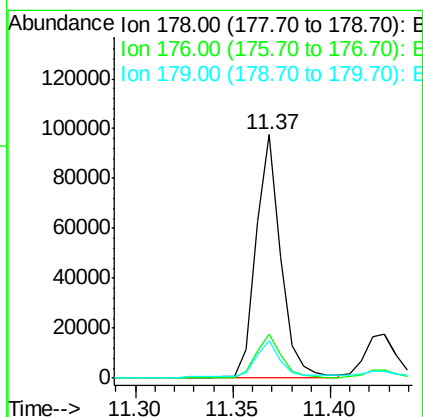
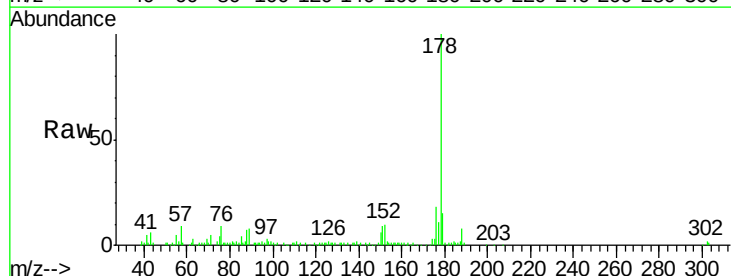
Manual Integrations
APPROVED

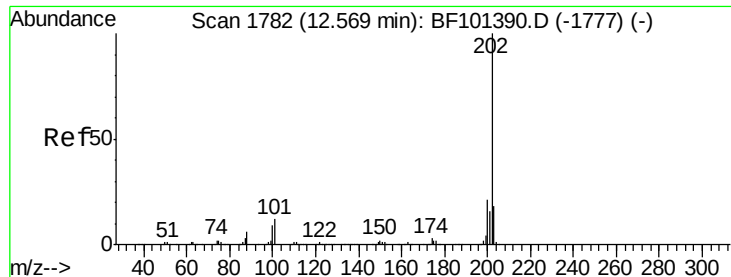
Sohil
12/18/2017 2:04:16 PM



#70
Phenanthrene
Concen: 3.371 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101451.D
Acq: 15 Dec 2017 19:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.0	15.8	23.8
179	15.2	13.0	19.6





#74

Fluoranthene

Concen: 4.807 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

Instrument :

BNA_F

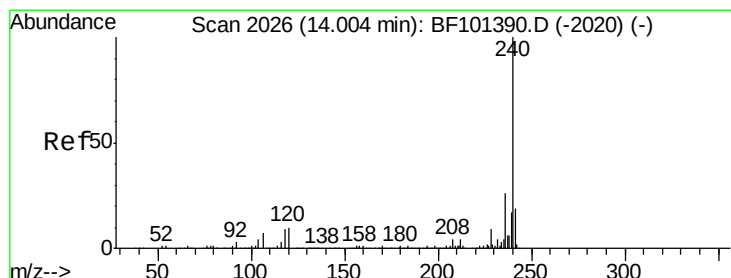
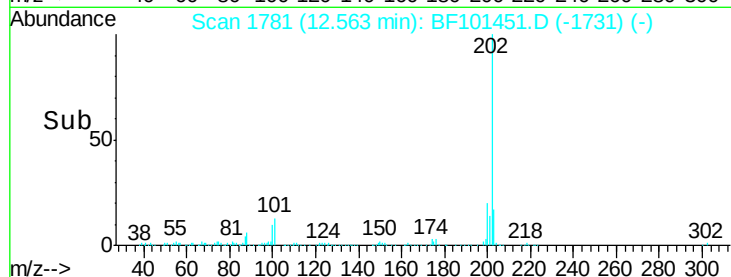
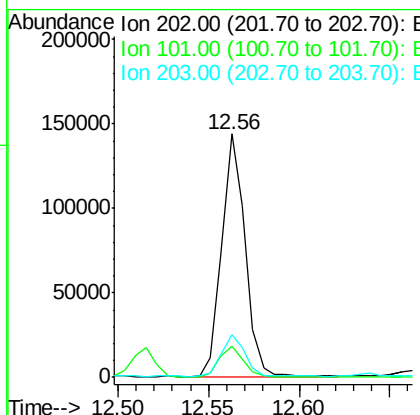
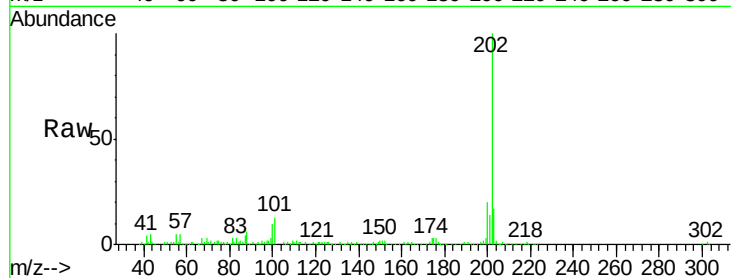
ClientSampleId :

HR-05-121317-A

Tgt	Ion:202	Resp:	129552
Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	34.1
203	17.4	0.0	38.1

Manual Integrations
APPROVED

Sohil
12/18/2017 2:04:16 PM



#75

Chrysene-d12

Concen: 20.000 ng

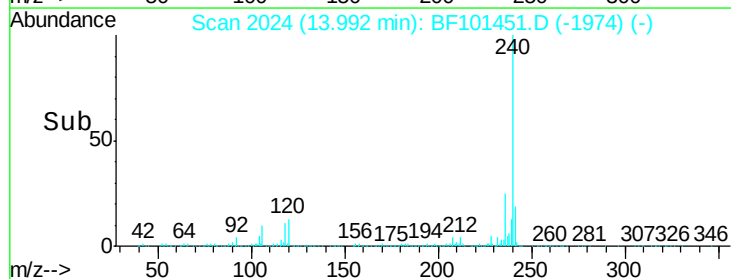
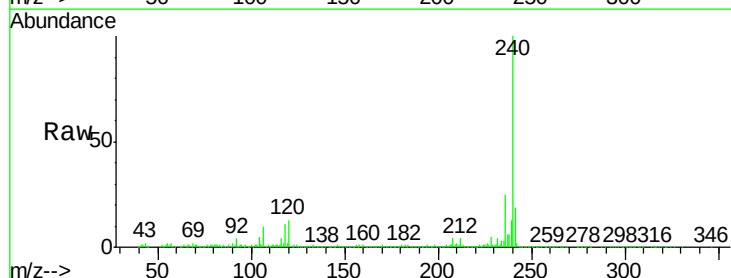
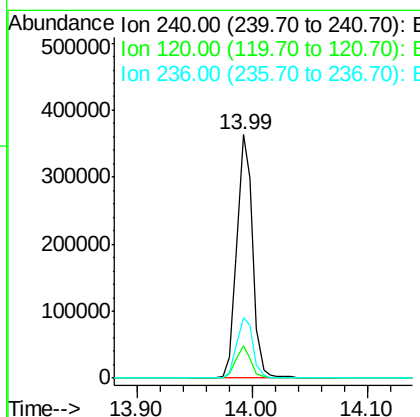
RT: 13.99 min Scan# 2024

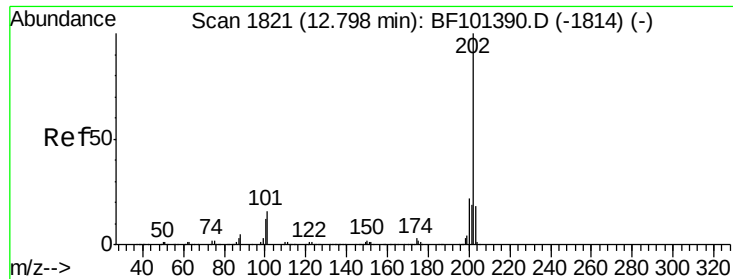
Delta R.T. -0.01 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

Tgt	Ion:240	Resp:	344523
Ion	Ratio	Lower	Upper
240	100		
120	13.3	9.5	14.3
236	25.1	20.7	31.1





#77

Pyrene

Concen: 4.388 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

Instrument :

BNA_F

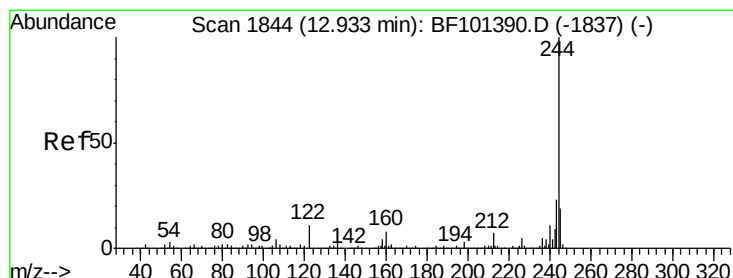
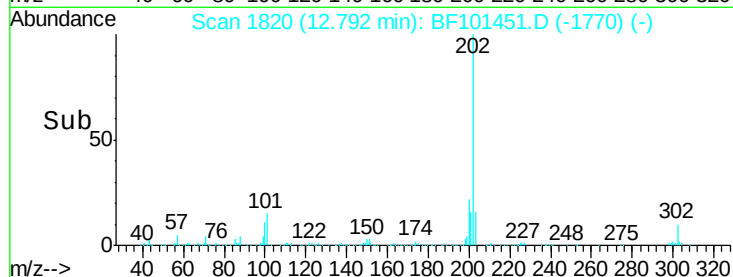
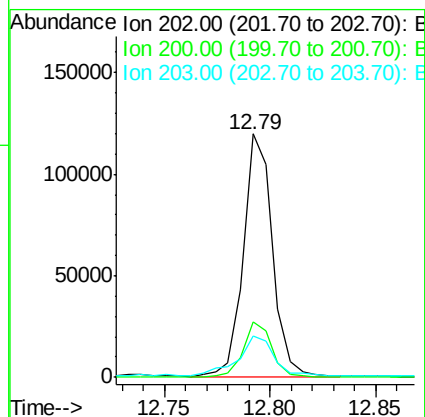
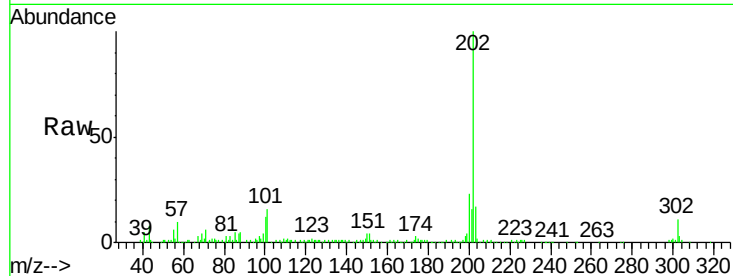
ClientSampleId :

HR-05-121317-A

Tgt	Ion	202	Resp:	113463
Ion	Ratio	Lower	Upper	
202	100			
200	22.5	17.4	26.2	
203	17.1	14.3	21.5	

Manual Integrations
APPROVED

Sohil
12/18/2017 2:04:16 PM



#78

Terphenyl-d14

Concen: 17.584 ng

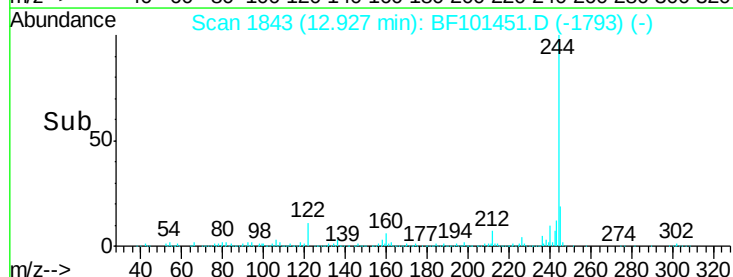
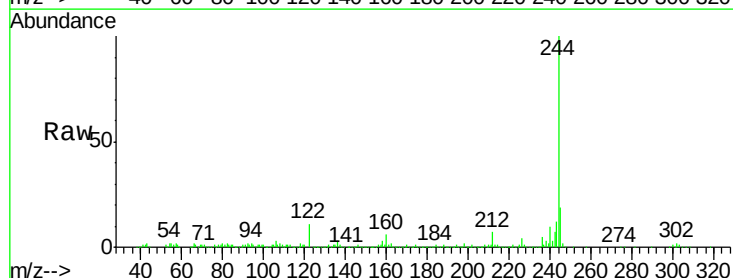
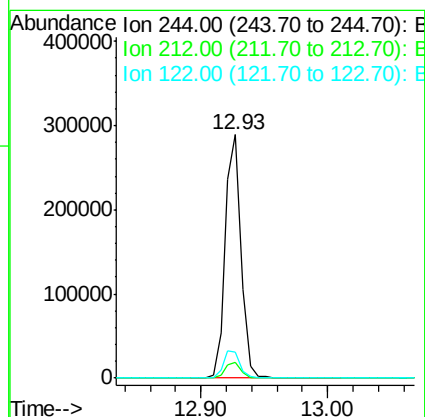
RT: 12.93 min Scan# 1843

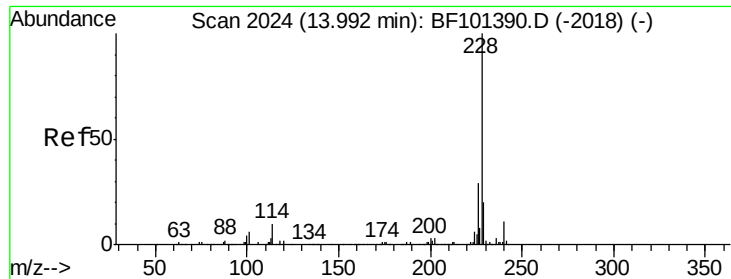
Delta R.T. -0.01 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

Tgt	Ion	244	Resp:	251288
Ion	Ratio	Lower	Upper	
244	100			
212	6.6	5.4	8.0	
122	10.7	11.0	16.4	#





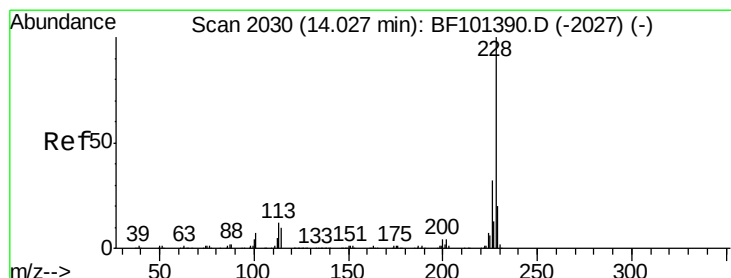
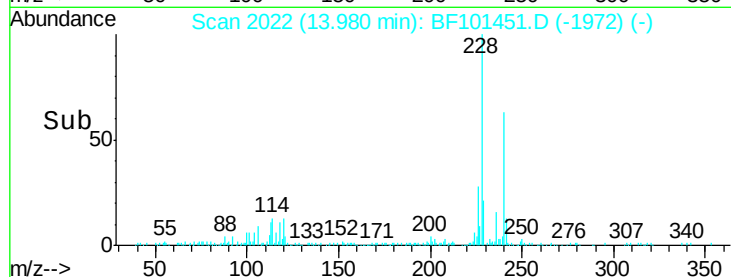
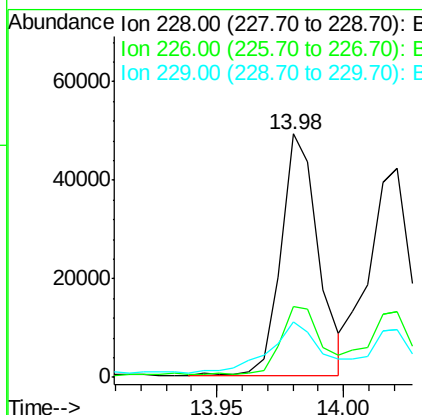
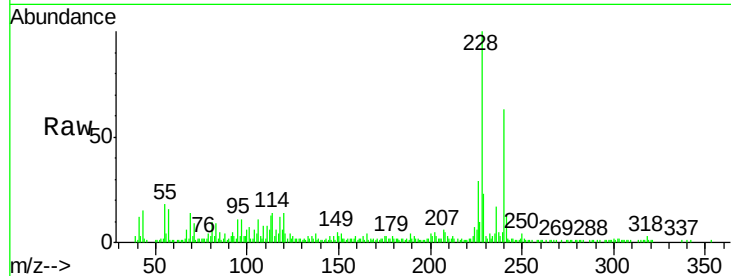
#80
Benzo(a)anthracene
Concen: 2.214 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF101451.D
Acq: 15 Dec 2017 19:00

Instrument :
BNA_F
ClientSampleId :
HR-05-121317-A

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	22.7	15.8	23.6

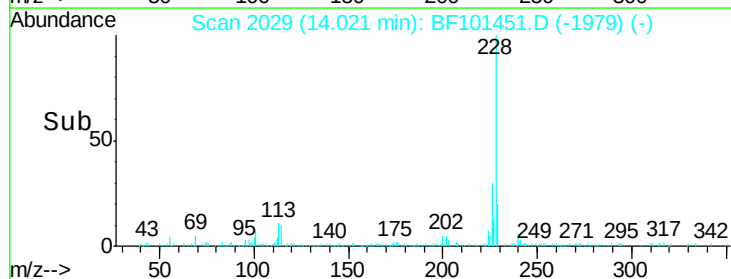
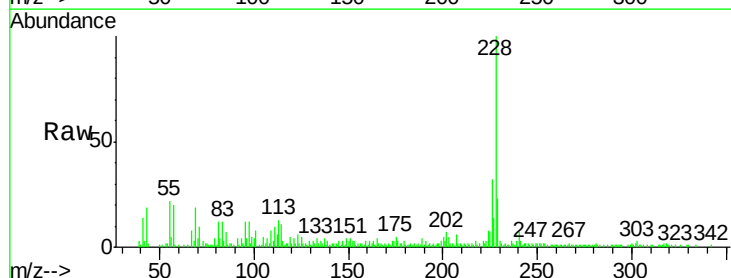
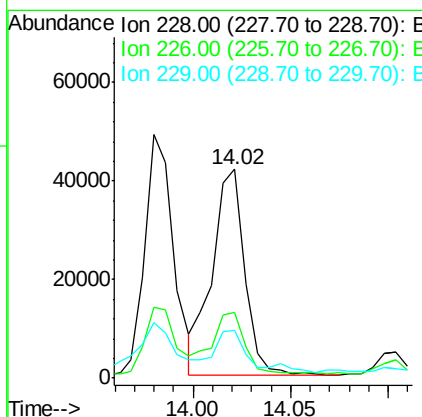
Manual Integrations
APPROVED

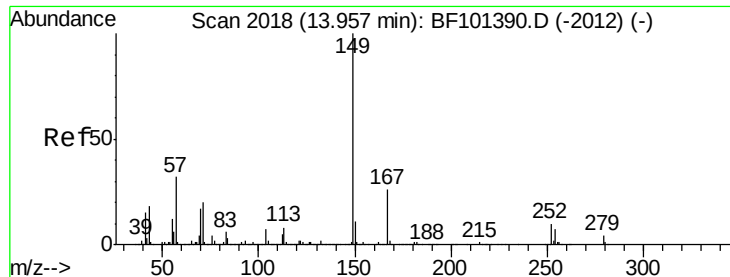
Sohil
12/18/2017 2:04:16 PM



#82
Chrysene
Concen: 2.283 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF101451.D
Acq: 15 Dec 2017 19:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	22.8	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.106 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

Instrument :

BNA_F

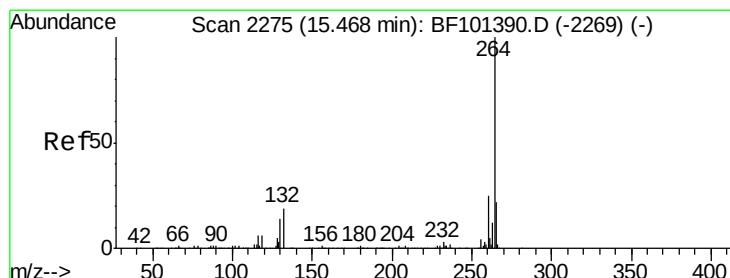
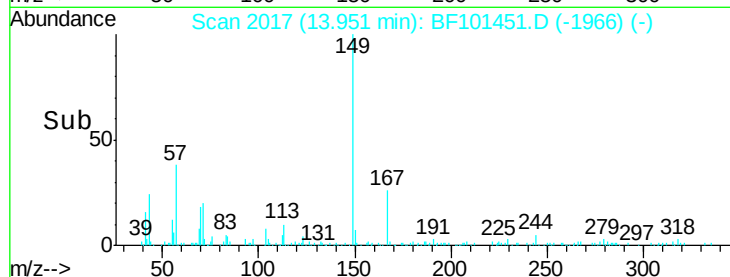
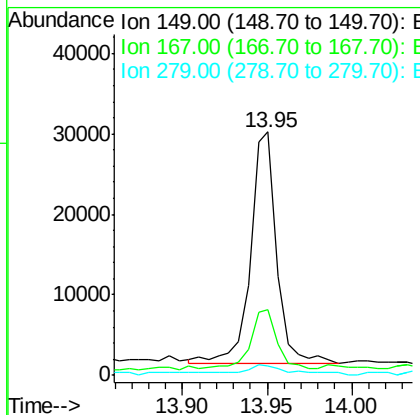
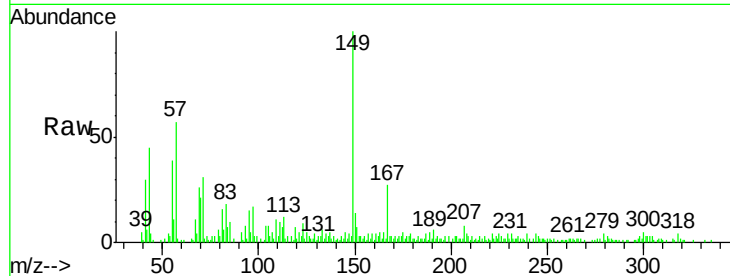
ClientSampleId :

HR-05-121317-A

Tgt Ion:	149	Resp:	31209
Ion Ratio	Lower	Upper	
149	100		
167	26.7	21.3	31.9
279	4.1	3.0	4.4

Manual Integrations
APPROVED

Sohil
12/18/2017 2:04:16 PM



#86

Perylene-d12

Concen: 20.000 ng

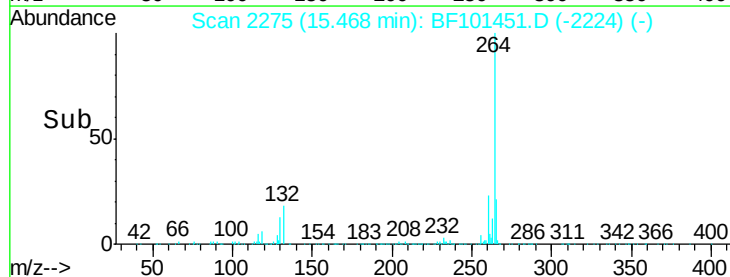
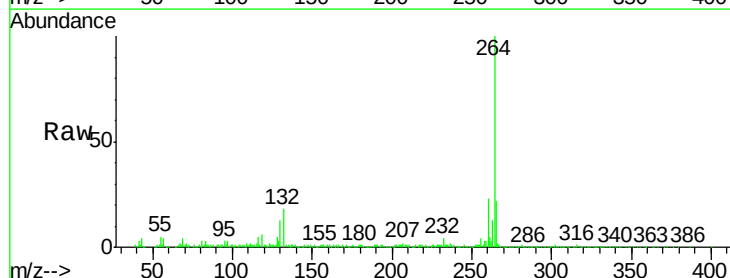
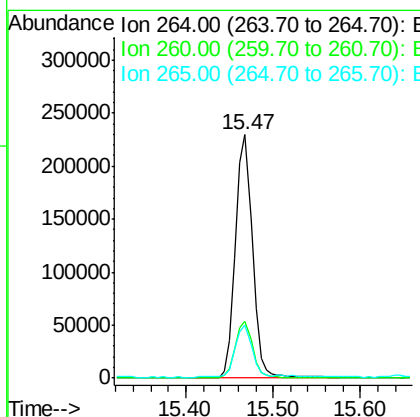
RT: 15.47 min Scan# 2275

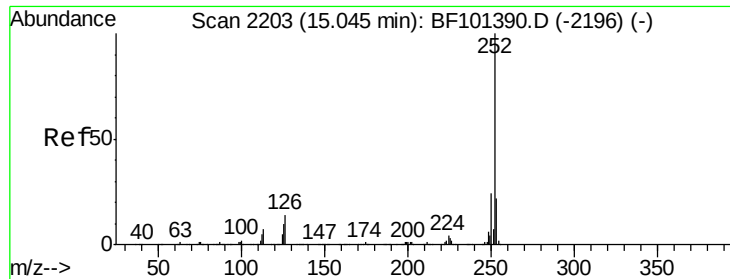
Delta R.T. 0.00 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

Tgt Ion:	264	Resp:	297207
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.2	28.8
265	21.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 3.245 ng m

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

Instrument :

BNA_F

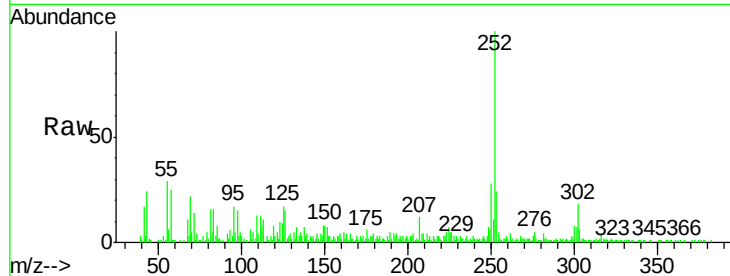
ClientSampleId :

HR-05-121317-A

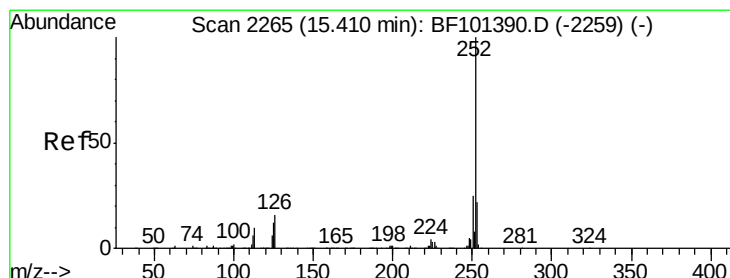
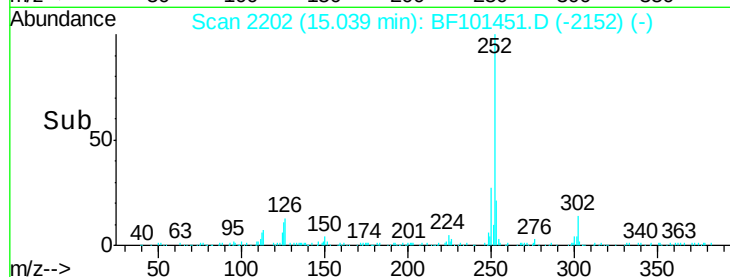
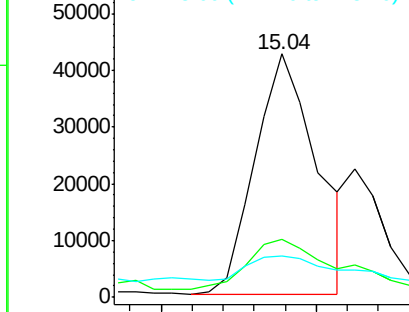
Tgt Ion:	252	Resp:	58778
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.0	25.6
125	17.2	9.0	13.6#

Manual Integrations
APPROVED

Sohil
12/18/2017 2:04:16 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



#89

Benzo(a)pyrene

Concen: 2.424 ng

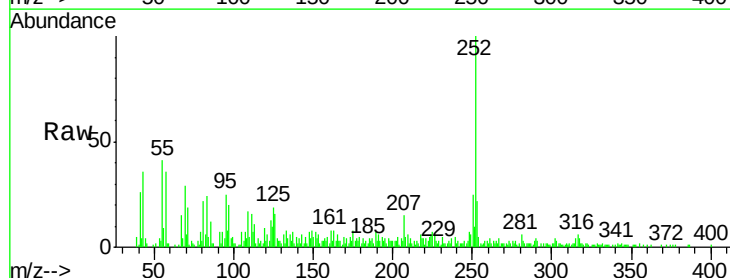
RT: 15.41 min Scan# 2265

Delta R.T. 0.00 min

Lab File: BF101451.D

Acq: 15 Dec 2017 19:00

Tgt Ion:	252	Resp:	40477
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.1	25.7
125	19.2	9.8	14.6#



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

