

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
 Data File : BF086502.D
 Acq On : 29 Apr 2016 19:58
 Operator : UM/SJ
 Sample : H2757-01 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1(2-4)

Manual Integrations
 APPROVED

sohil
 4/30/2016 11:22:49 AM

Quant Time: Apr 30 01:37:10 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	152667	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	661797	20.00	ng	-0.03
38) Acenaphthene-d10	9.81	164	275855	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	426635	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	334033	20.00	ng	-0.03
86) Perylene-d12	15.32	264	268395	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	92844	10.49	ng	-0.03
7) Phenol-d6	6.41	99	137739	11.15	ng	-0.03
23) Nitrobenzene-d5	7.33	82	77702	6.33	ng	-0.05
41) 2,4,6-Tribromophenol	10.60	330	22133	7.61	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	176110	3.79	ng	-0.03
78) Terphenyl-d14	12.88	244	108610	7.16	ng	-0.03
Target Compounds						Qvalue
70) Phenanthrene	11.32	178	75600	3.38	ng	99
74) Fluoranthene	12.50	202	119680	5.30	ng	98
77) Pyrene	12.73	202	112761	4.68	ng	98
80) Benzo(a)anthracene	13.92	228	66527	3.74	ng	96
82) Chrysene	13.95	228	46933m	2.42	ng	
87) Benzo(b)fluoranthene	14.93	252	57405m	3.64	ng	
89) Benzo(a)pyrene	15.27	252	43415	2.91	ng	# 87

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

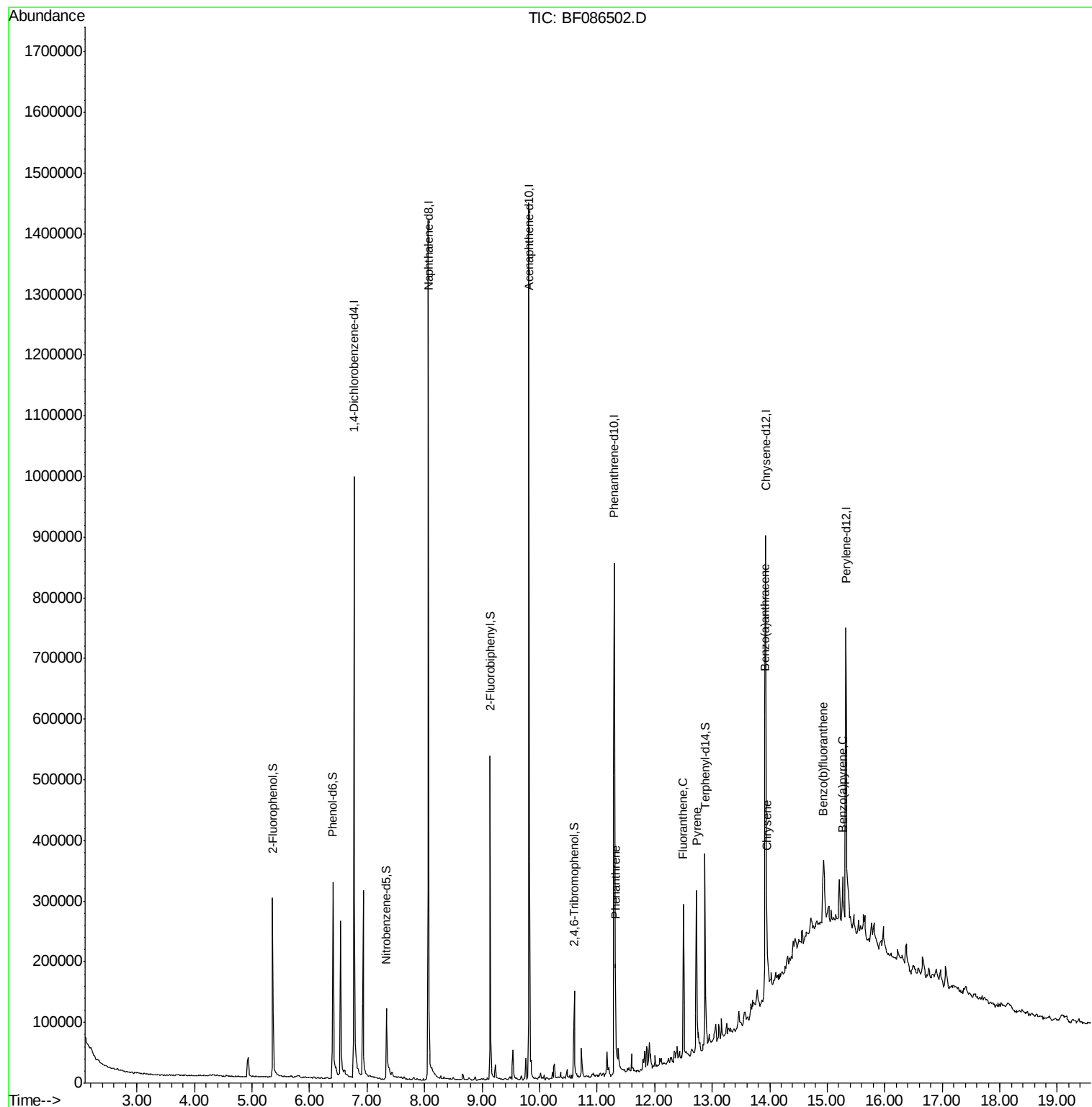
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086502.D
Acq On : 29 Apr 2016 19:58
Operator : UM/SJ
Sample : H2757-01 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

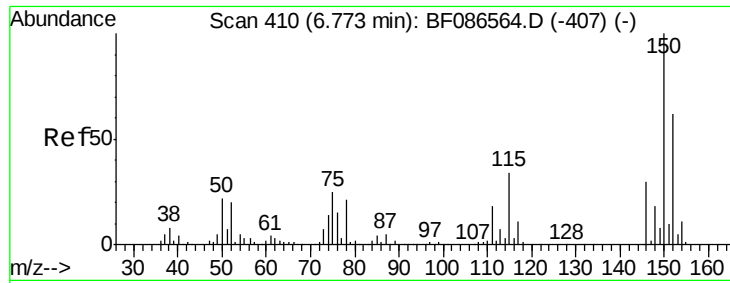
Instrument :
BNA_F
ClientSampleId :
B1(2-4)

Manual Integrations
APPROVED

sohil
4/30/2016 11:22:49 AM

Quant Time: Apr 30 01:37:10 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 27 14:20:52 2016
Response via : Initial Calibration





#1

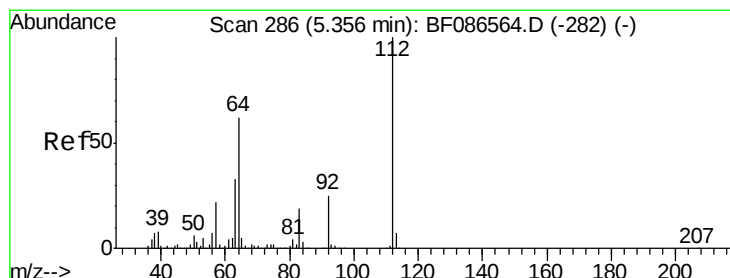
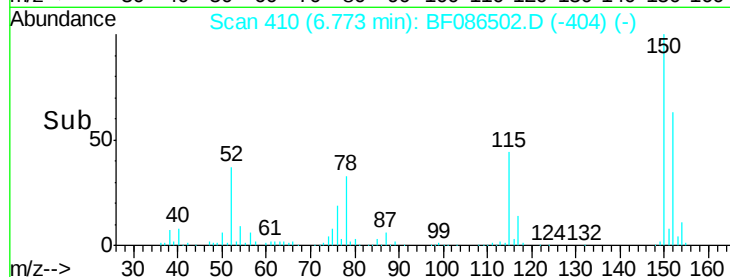
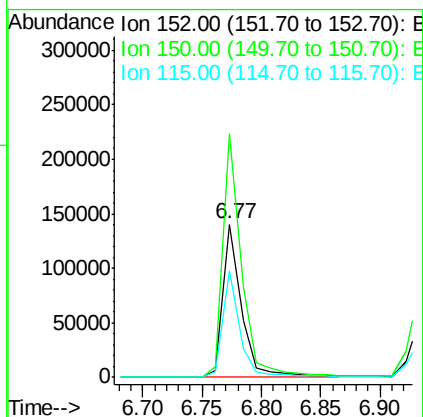
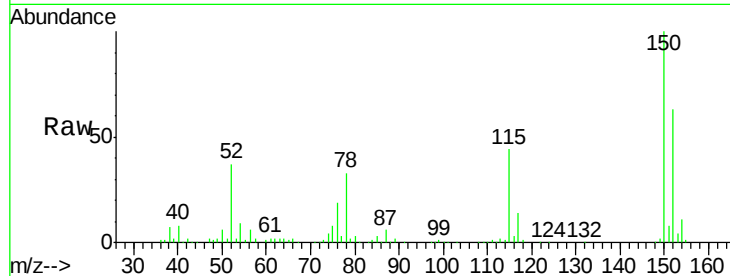
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.03 min
Lab File: BF086502.D
Acq: 29 Apr 2016 19:58

Instrument :
BNA_F
ClientSampleId :
B1(2-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	125.8	188.6
115	69.8	51.5	77.3

Manual Integrations
APPROVED

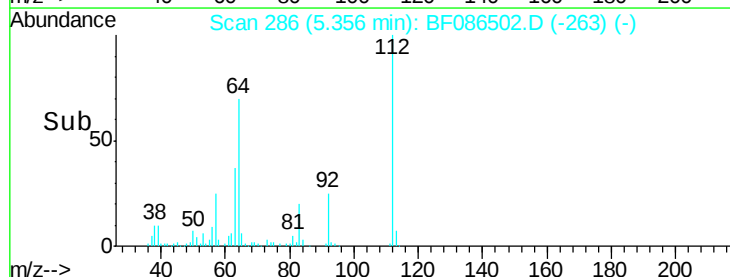
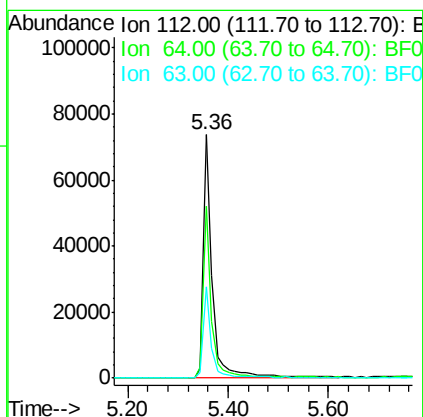
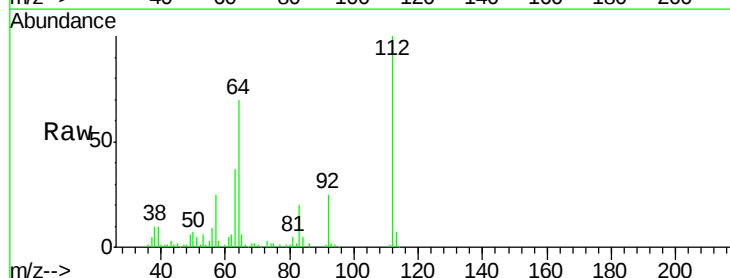
sohil
4/30/2016 11:22:49 AM

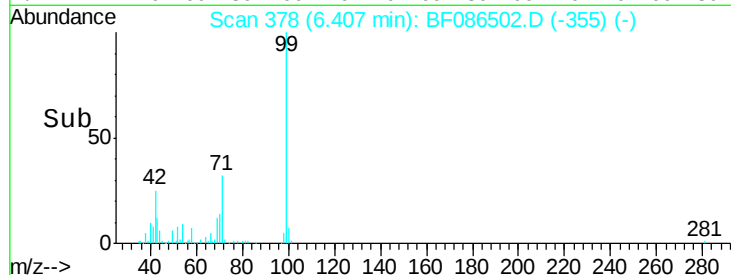
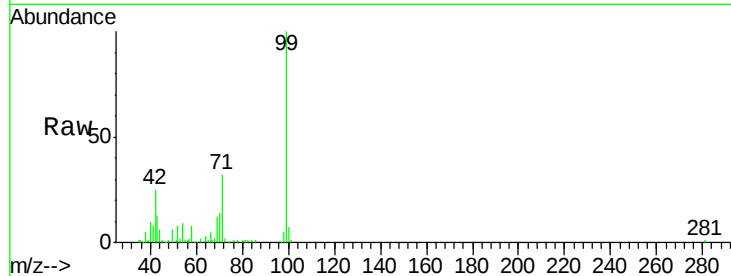


#5

2-Fluorophenol
Concen: 10.49 ng
RT: 5.36 min Scan# 286
Delta R.T. -0.03 min
Lab File: BF086502.D
Acq: 29 Apr 2016 19:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	52.1	78.1
63	37.3	25.7	38.5





#7

Phenol-d6

Concen: 11.15 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086502.D

Acq: 29 Apr 2016 19:58

Tot Ion:	99	Resp:	137739
Ion Ratio	Lower	Upper	
99	100		
42	24.8	13.6	20.4#
71	32.1	24.6	36.8

Instrument :

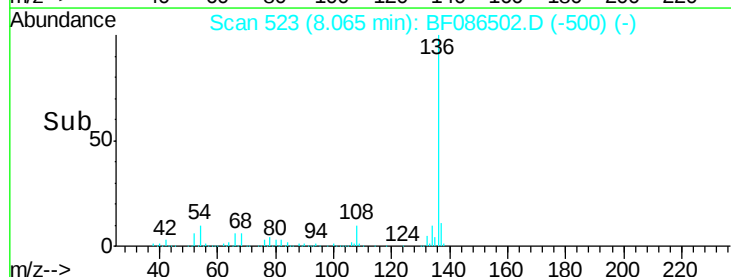
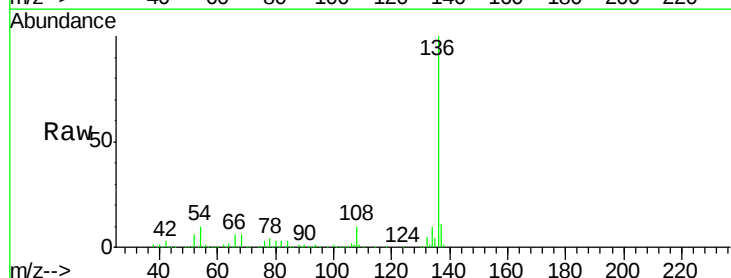
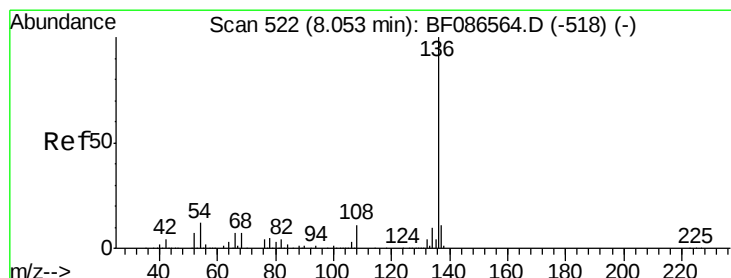
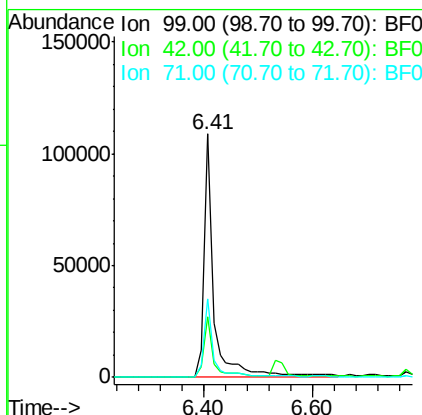
BNA_F

ClientSampleId :

B1(2-4)

Manual Integrations
APPROVED

sohil
4/30/2016 11:22:49 AM



#21

Naphthalene-d8

Concen: 20.00 ng

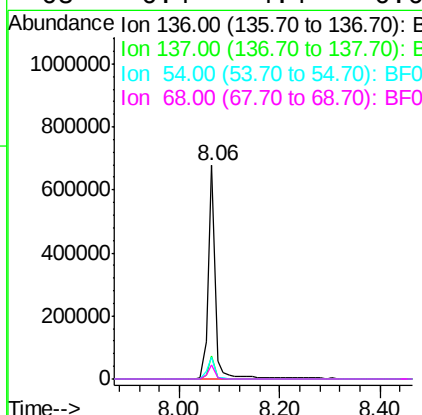
RT: 8.06 min Scan# 523

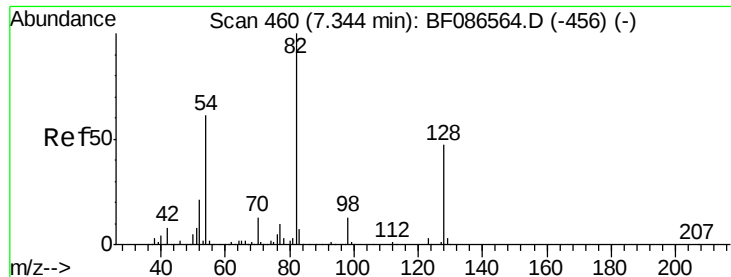
Delta R.T. -0.03 min

Lab File: BF086502.D

Acq: 29 Apr 2016 19:58

Tgt Ion:	136	Resp:	661797
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	10.3	5.0	7.4#
68	6.4	4.4	6.6





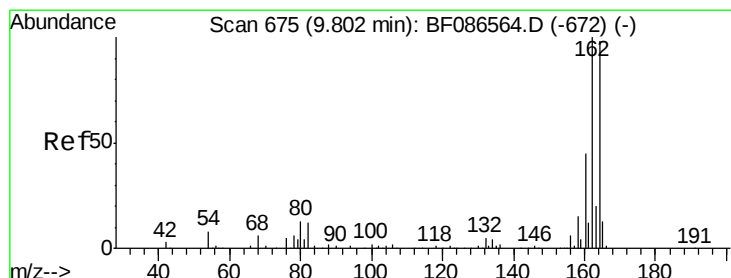
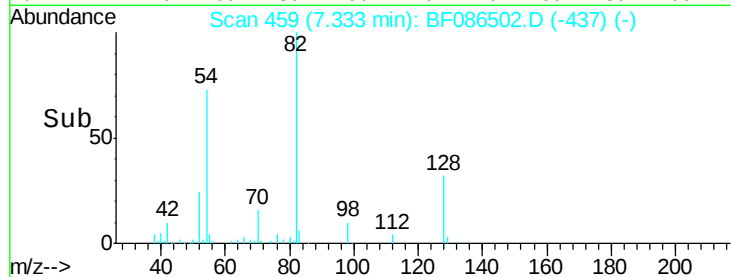
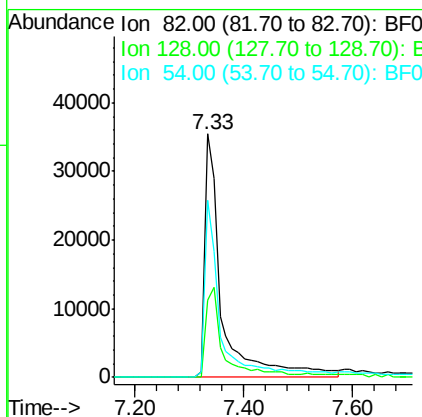
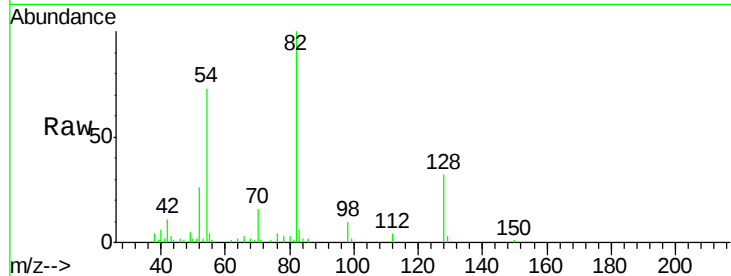
#23
 Nitrobenzene-d5
 Concen: 6.33 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.05 min
 Lab File: BF086502.D
 Acq: 29 Apr 2016 19:58

Instrument :
 BNA_F
 ClientSampleId :
 B1(2-4)

Tot Ion	82	Resp	77702
Ion Ratio	100	Lower	Upper
82	100		
128	31.9	40.6	61.0#
54	72.8	38.1	57.1#

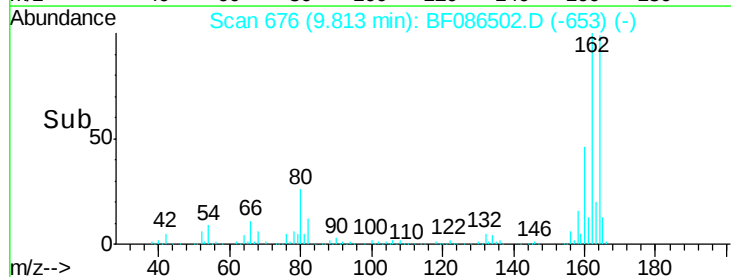
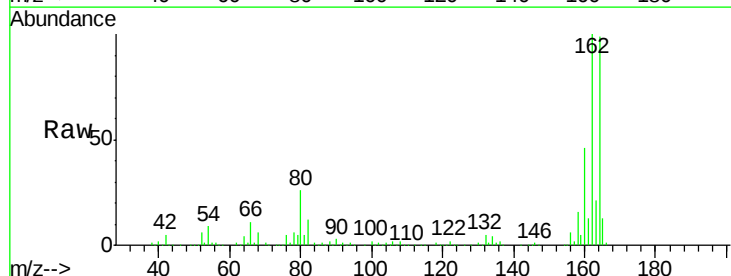
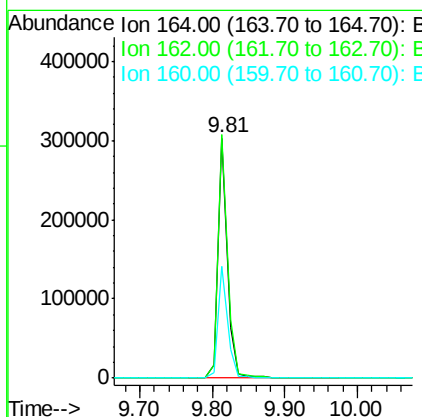
Manual Integrations
 APPROVED

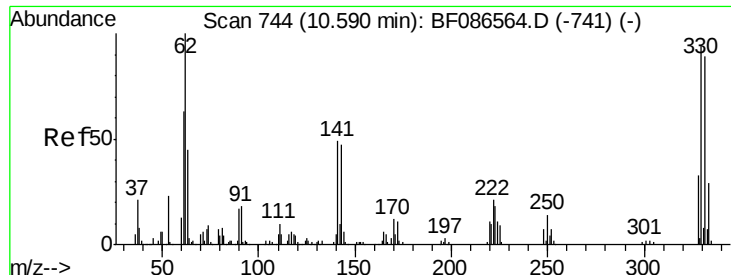
sohil
 4/30/2016 11:22:49 AM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.03 min
 Lab File: BF086502.D
 Acq: 29 Apr 2016 19:58

Tgt Ion	164	Resp	275855
Ion Ratio	100	Lower	Upper
164	100		
162	101.3	82.8	124.2
160	46.5	36.9	55.3





#41

2,4,6-Tribromophenol

Concen: 7.61 ng

RT: 10.60 min Scan# 745

Delta R.T. -0.03 min

Lab File: BF086502.D

Acq: 29 Apr 2016 19:58

Instrument :

BNA_F

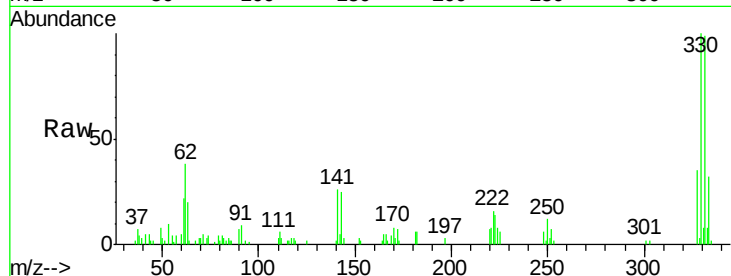
ClientSampled :

B1(2-4)

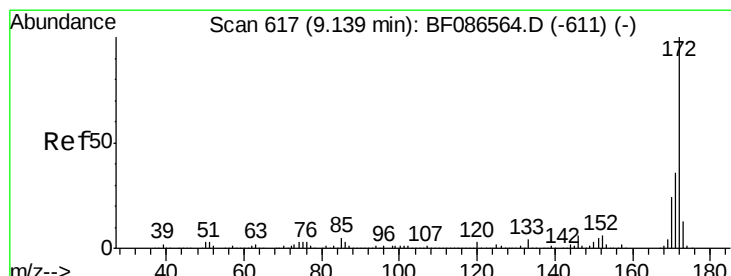
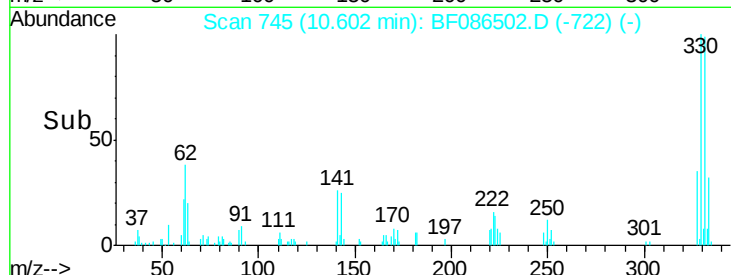
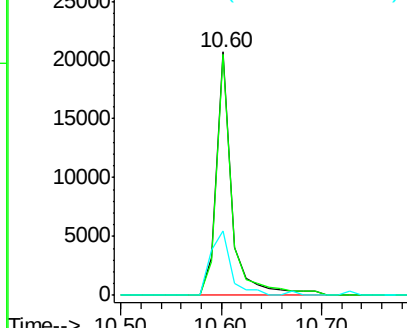
Tot Ion:	330	Resp:	22133
Ion Ratio	Lower	Upper	
330	100		
332	99.0	79.0	118.4
141	34.9	31.2	46.8

Manual Integrations
APPROVED

sohil
4/30/2016 11:22:49 AM



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: 3.79 ng

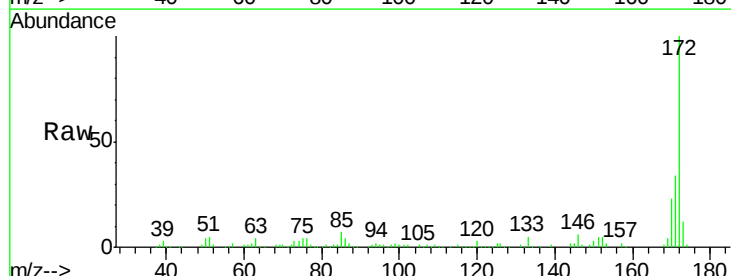
RT: 9.14 min Scan# 617

Delta R.T. -0.03 min

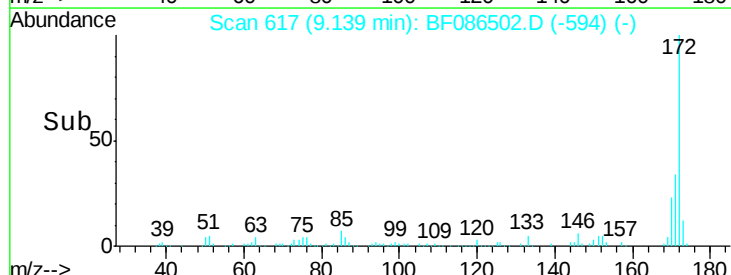
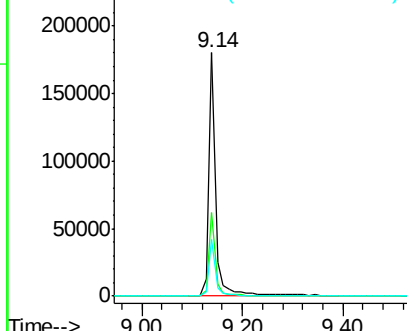
Lab File: BF086502.D

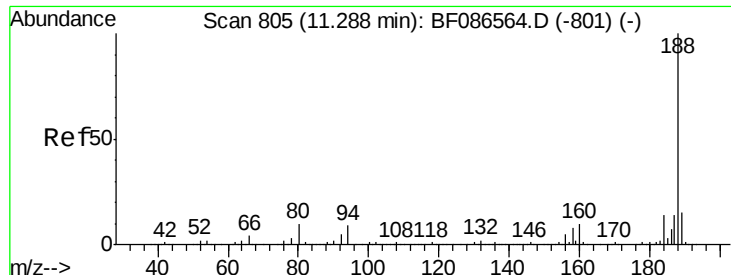
Acq: 29 Apr 2016 19:58

Tgt Ion:	172	Resp:	176110
Ion Ratio	Lower	Upper	
172	100		
171	34.3	29.0	43.6
170	23.5	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





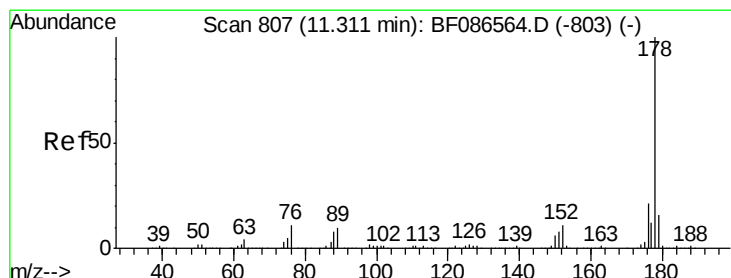
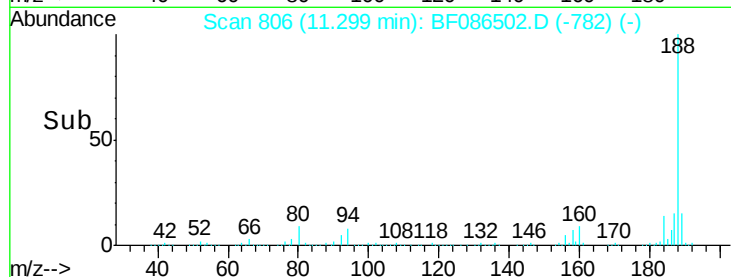
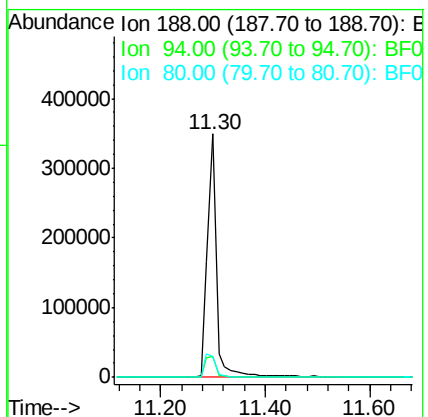
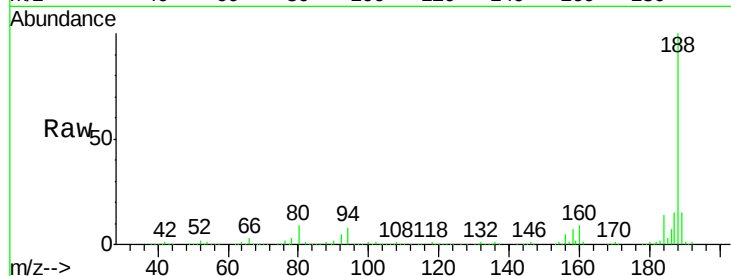
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF086502.D
Acq: 29 Apr 2016 19:58

Instrument :
BNA_F
ClientSampleId :
B1(2-4)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.4	6.8	10.2
80	8.5	7.1	10.7

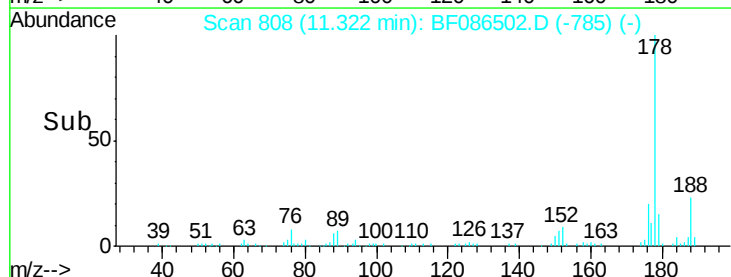
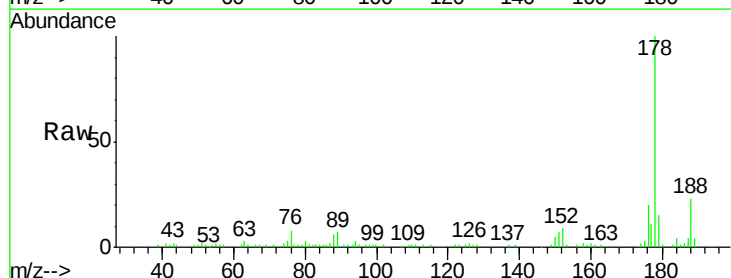
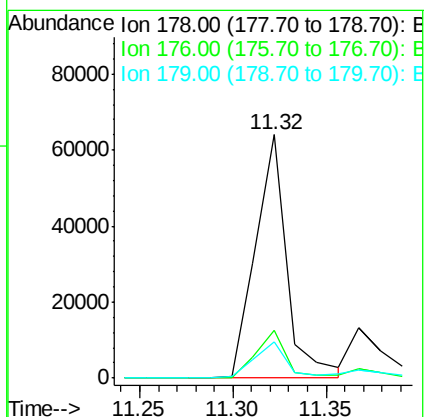
Manual Integrations
APPROVED

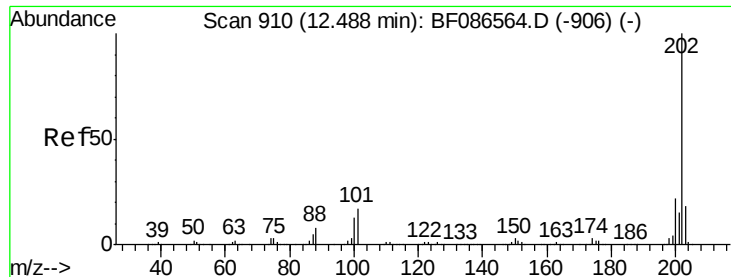
sohil
4/30/2016 11:22:49 AM



#70
Phenanthrene
Concen: 3.38 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.03 min
Lab File: BF086502.D
Acq: 29 Apr 2016 19:58

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	16.0	24.0
179	14.9	12.6	18.8





#74

Fluoranthene

Concen: 5.30 ng

RT: 12.50 min Scan# 911

Delta R.T. -0.03 min

Lab File: BF086502.D

Acq: 29 Apr 2016 19:58

Instrument :

BNA_F

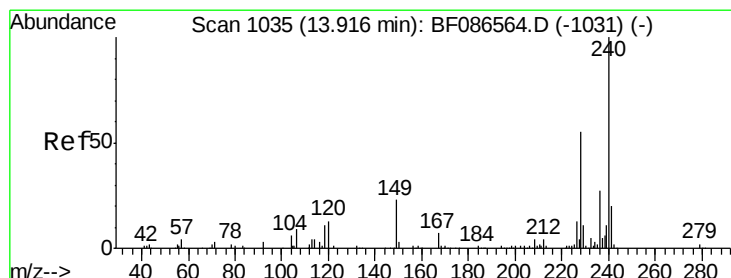
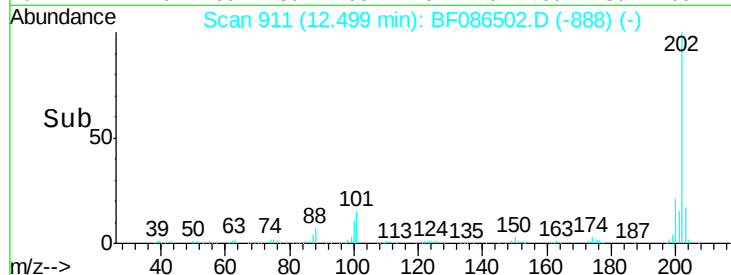
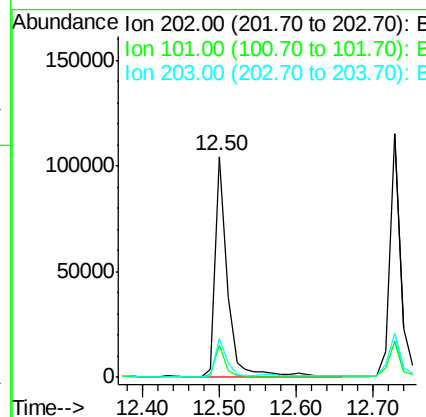
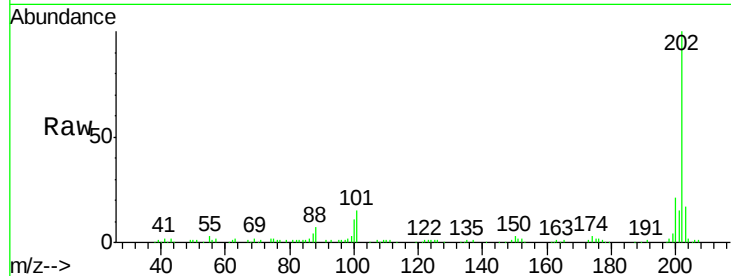
ClientSampleId :

B1(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	119680		
101	14.7	0.0	35.4	
203	17.5	0.0	38.1	

Manual Integrations
APPROVED

sohil
4/30/2016 11:22:49 AM



#75

Chrysene-d12

Concen: 20.00 ng

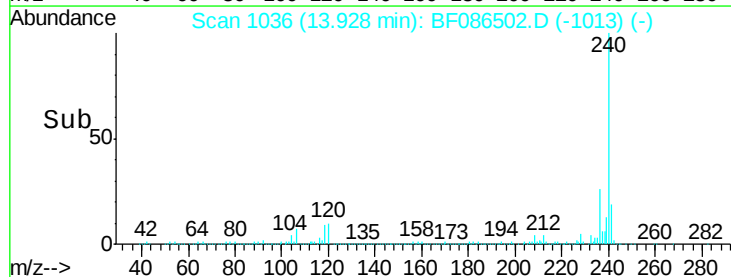
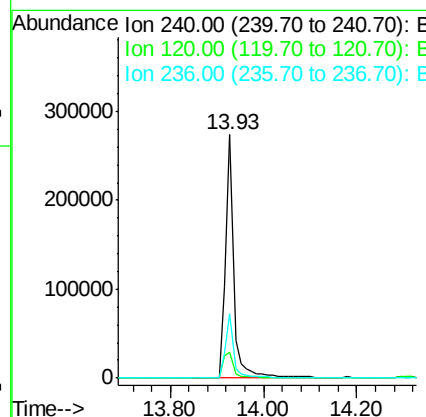
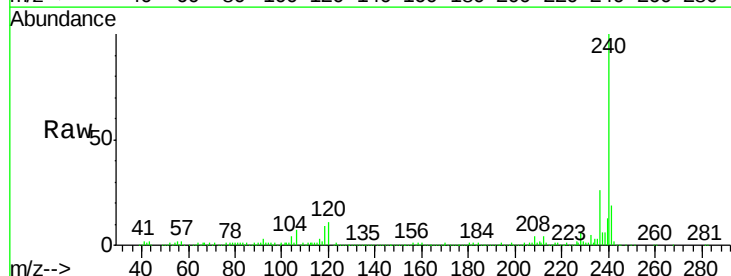
RT: 13.93 min Scan# 1036

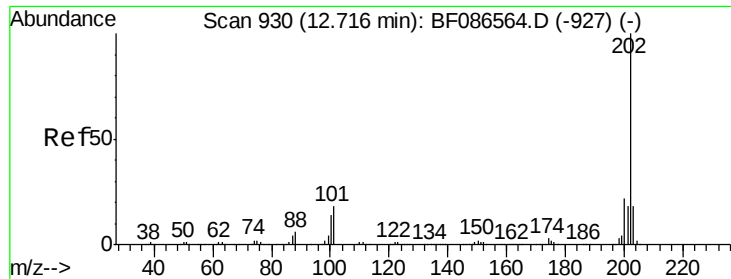
Delta R.T. -0.03 min

Lab File: BF086502.D

Acq: 29 Apr 2016 19:58

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	334033		
120	10.5	11.2	16.8#	
236	26.4	21.2	31.8	





#77

Pvrene

Concen: 4.68 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.03 min

Lab File: BF086502.D

Acq: 29 Apr 2016 19:58

Instrument :

BNA_F

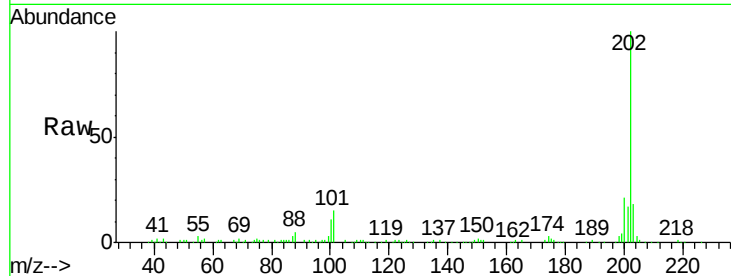
ClientSampleId :

B1(2-4)

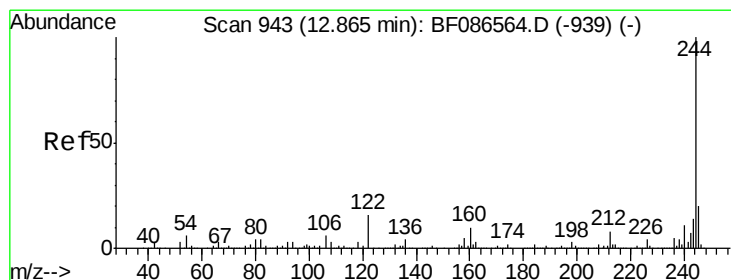
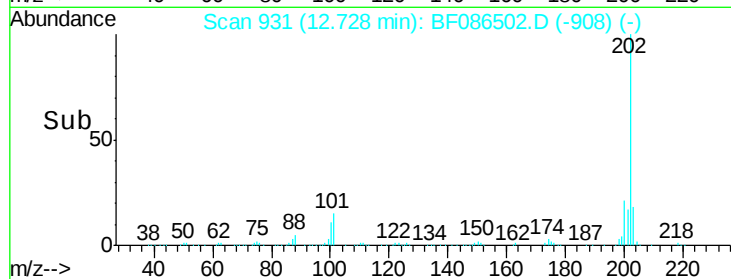
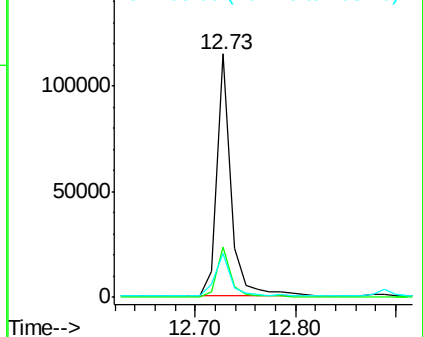
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.6	17.7	26.5		
203	17.9	14.2	21.4		

Manual Integrations
APPROVED

sohil
4/30/2016 11:22:49 AM



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: 7.16 ng

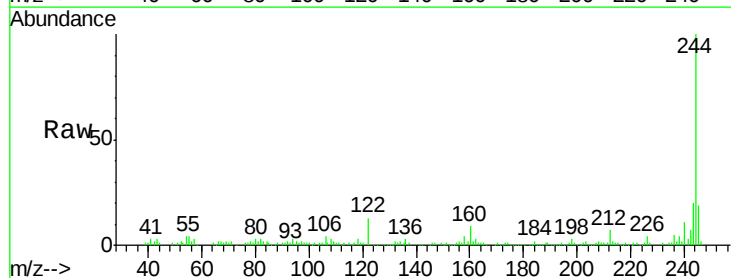
RT: 12.88 min Scan# 944

Delta R.T. -0.03 min

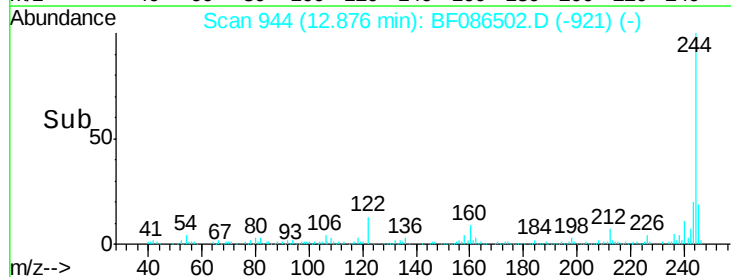
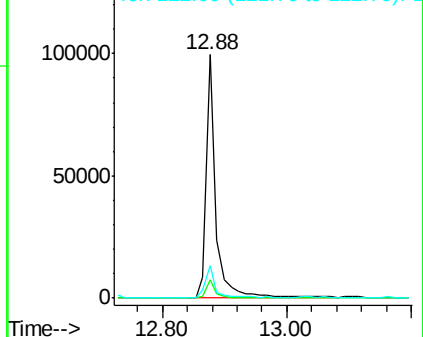
Lab File: BF086502.D

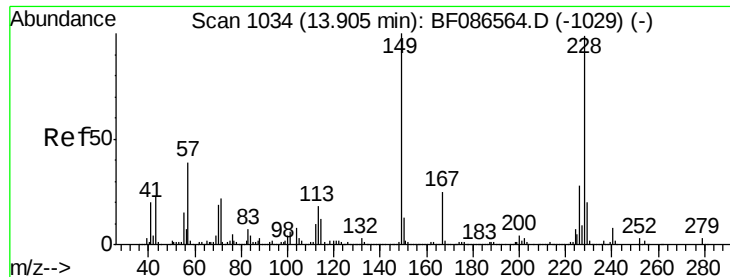
Acq: 29 Apr 2016 19:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	7.5	6.2	9.2		
122	13.3	12.0	18.0		



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





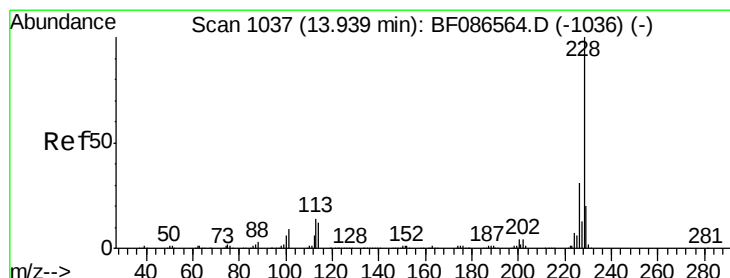
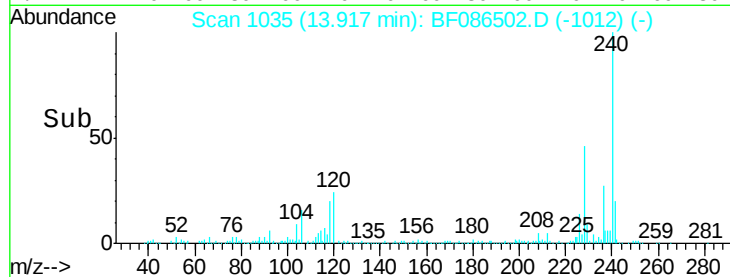
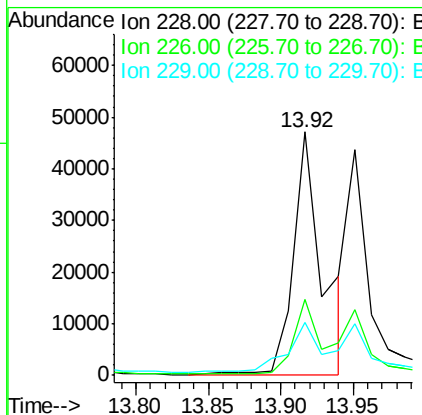
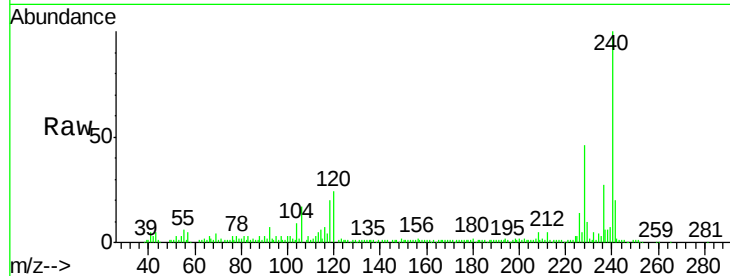
#80
 Benzo(a)anthracene
 Concen: 3.74 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.03 min
 Lab File: BF086502.D
 Acq: 29 Apr 2016 19:58

Instrument :
 BNA_F
 ClientSampleId :
 B1(2-4)

Tot Ion:	228	Resp:	66527
Ion Ratio	Lower	Upper	
228	100		
226	31.3	22.5	33.7
229	21.8	16.6	25.0

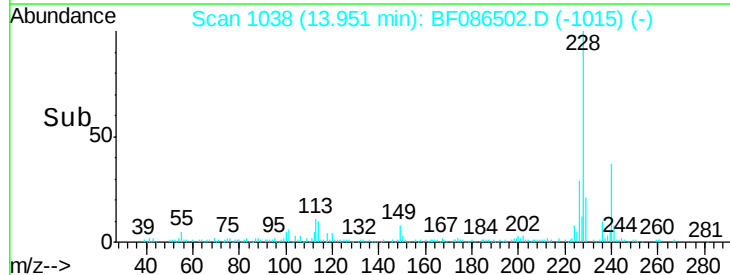
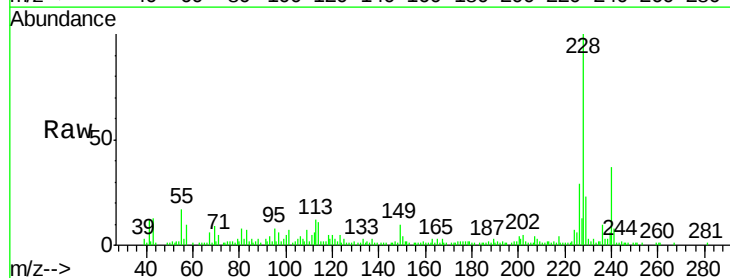
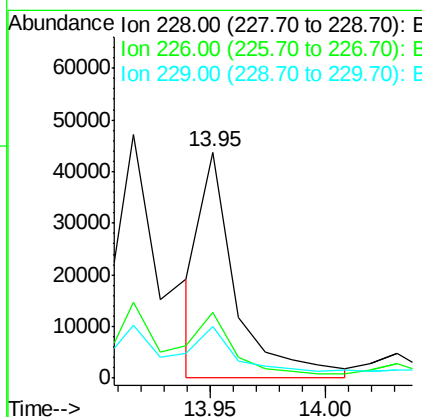
Manual Integrations
 APPROVED

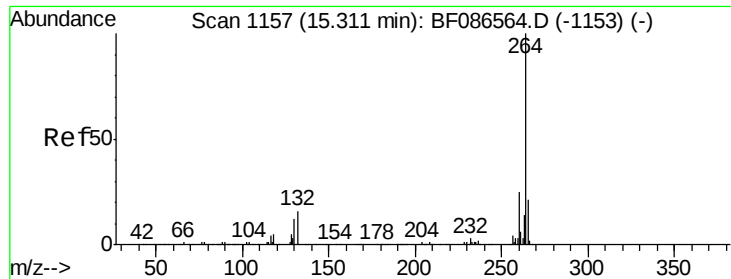
sohil
 4/30/2016 11:22:49 AM



#82
 Chrysene
 Concen: 2.42 ng m
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.03 min
 Lab File: BF086502.D
 Acq: 29 Apr 2016 19:58

Tgt Ion:	228	Resp:	46933
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.4	36.6
229	22.8	15.8	23.8





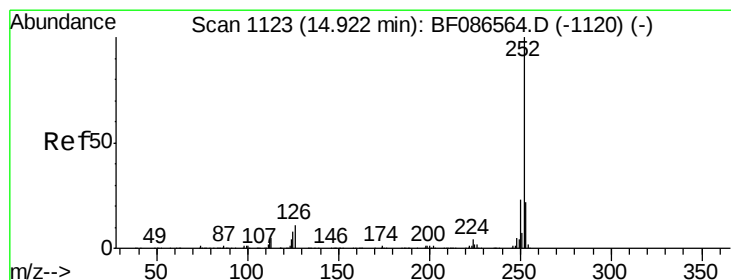
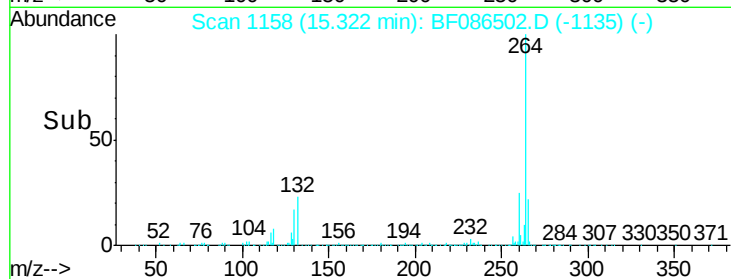
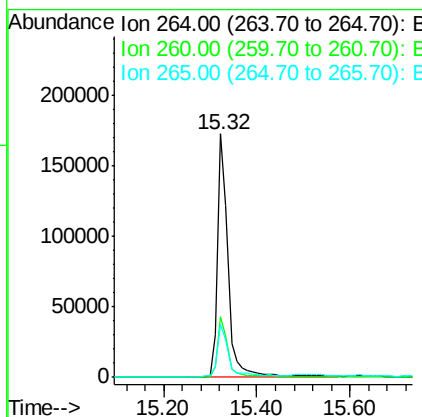
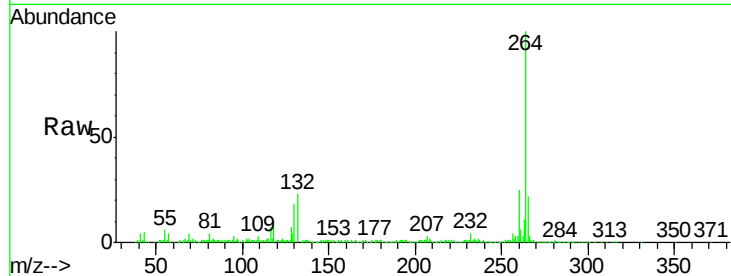
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.03 min
Lab File: BF086502.D
Acq: 29 Apr 2016 19:58

Instrument :
BNA_F
ClientSampleId :
B1(2-4)

Tot Ion:	264	Resp:	268395
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.5	29.3
265	21.8	17.3	25.9

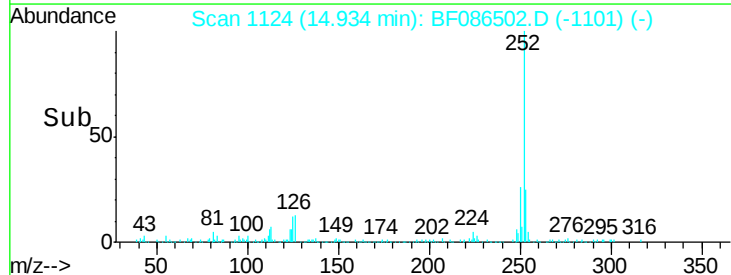
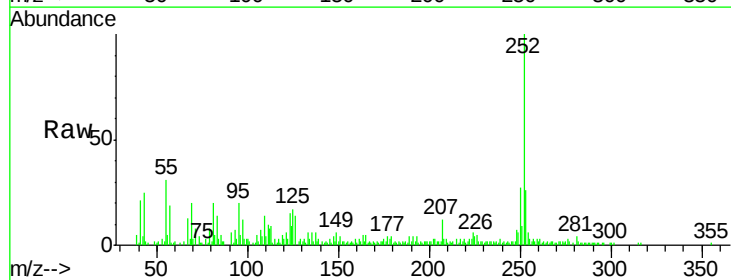
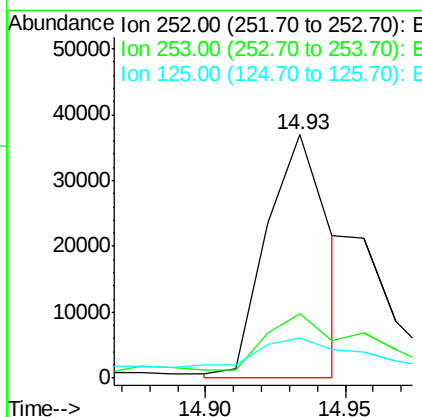
Manual Integrations
APPROVED

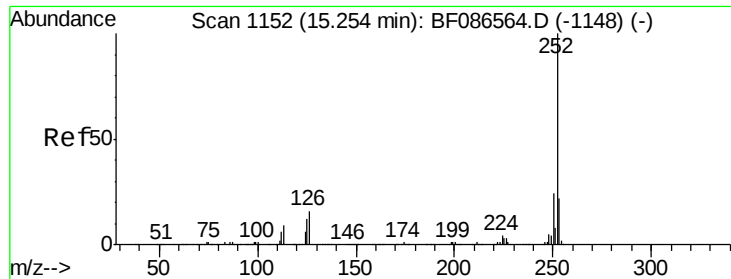
sohil
4/30/2016 11:22:49 AM



#87
Benzo(b)fluoranthene
Concen: 3.64 ng m
RT: 14.93 min Scan# 1124
Delta R.T. -0.03 min
Lab File: BF086502.D
Acq: 29 Apr 2016 19:58

Tgt Ion:	252	Resp:	57405
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.8	26.6
125	16.6	11.4	17.0





#89

Benzo(a)pyrene

Concen: 2.91 ng

RT: 15.27 min Scan# 1153

Delta R.T. -0.03 min

Lab File: BF086502.D

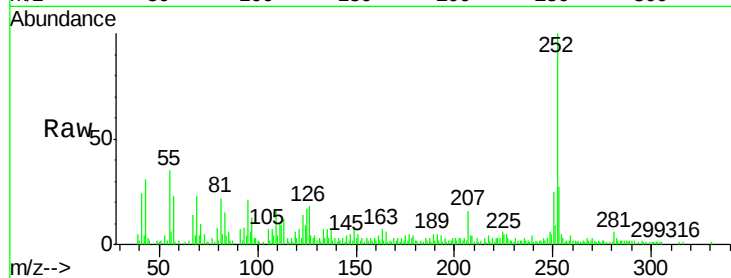
Acq: 29 Apr 2016 19:58

Instrument :

BNA_F

ClientSampleId :

B1(2-4)



Tot Ion:	252	Resp:	43415
Ion Ratio	Lower	Upper	
252	100		
253	26.7	17.2	25.8#
125	17.4	9.0	13.6#

Manual Integrations
APPROVED

sohil
4/30/2016 11:22:49 AM

