

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\
 Data File : BF104286.D
 Acq On : 5 Apr 2018 22:46
 Operator : JU/SJ
 Sample : J2227-02 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2

Manual Integrations
 APPROVED

Sohil
 4/6/2018 5:27:04 PM

Quant Time: Apr 06 11:59:02 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 04 18:06:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	87359	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	289574	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	145010	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	210349	20.00	ng	0.02
75) Chrysene-d12	14.14	240	181531	20.00	ng	0.00
86) Perylene-d12	15.68	264	198993	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	88640m	16.18	ng	0.03
7) Phenol-d6	6.62	99	137951	20.47	ng	0.02
23) Nitrobenzene-d5	7.53	82	52585	11.11	ng	0.01
41) 2,4,6-Tribromophenol	10.80	330	32525	20.14	ng	0.01
44) 2-Fluorobiphenyl	9.31	172	158322	17.22	ng	0.00
78) Terphenyl-d14	13.07	244	149578	19.03	ng	0.00
Target Compounds						
45) 1,1'-Biphenyl	9.42	154	229451	18.436	ng	99
51) Acenaphthene	10.03	154	140464	16.326	ng	# 70
57) Fluorene	10.56	166	212864	20.538	ng	# 85
65) n-Nitrosodiphenylamine	10.66	169	456819	64.125	ng	# 57
70) Phenanthrene	11.53	178	708766	62.235	ng	# 95
71) Anthracene	11.58	178	80908m	6.801	ng	
74) Fluoranthene	12.72	202	35736	2.952	ng	# 52
77) Pyrene	12.95	202	222794	17.073	ng	# 75
82) Chrysene	14.17	228	106247	9.550	ng	# 55

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

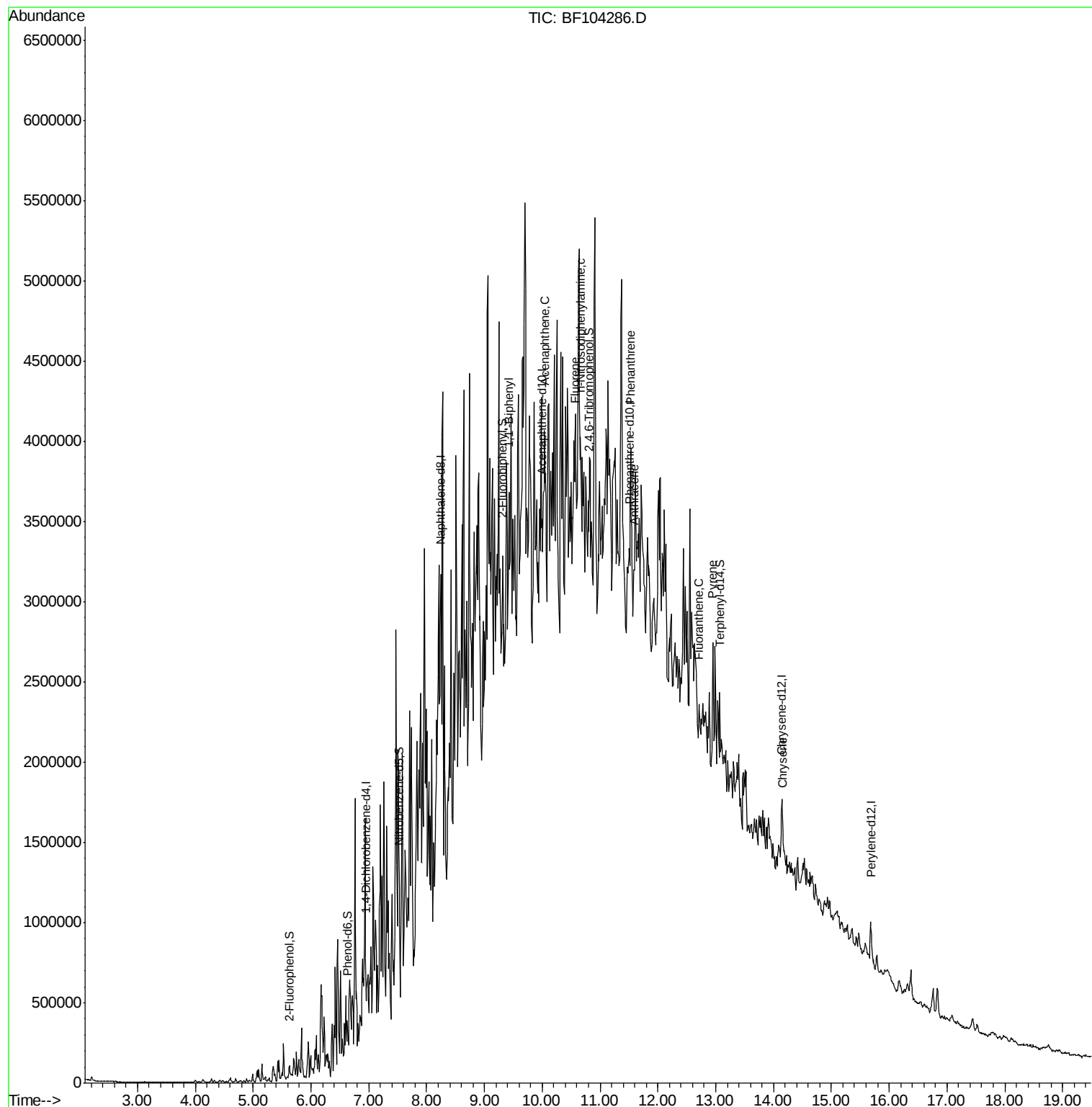
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\
Data File : BF104286.D
Acq On : 5 Apr 2018 22:46
Operator : JU/SJ
Sample : J2227-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

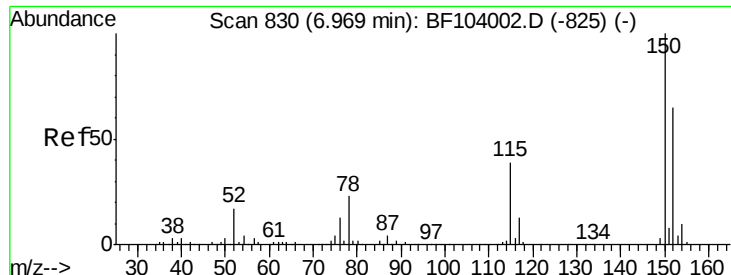
Instrument :
BNA_F
ClientSampleId :
SB-2

Manual Integrations
APPROVED

Sohil
4/6/2018 5:27:04 PM

Quant Time: Apr 06 11:59:02 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 04 18:06:58 2018
Response via : Initial Calibration





#1

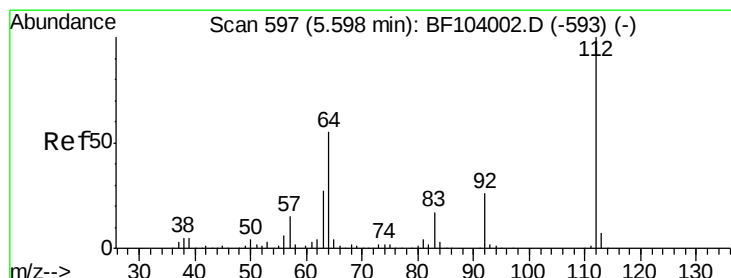
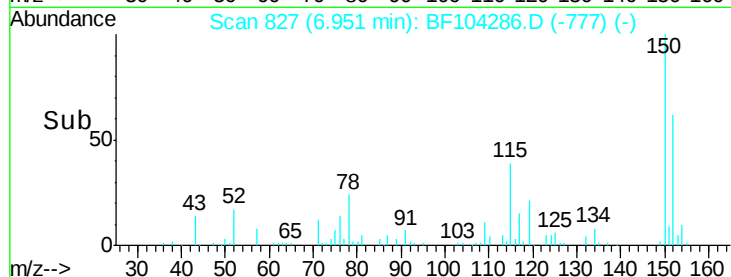
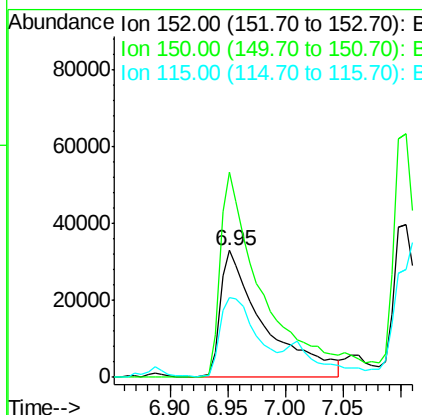
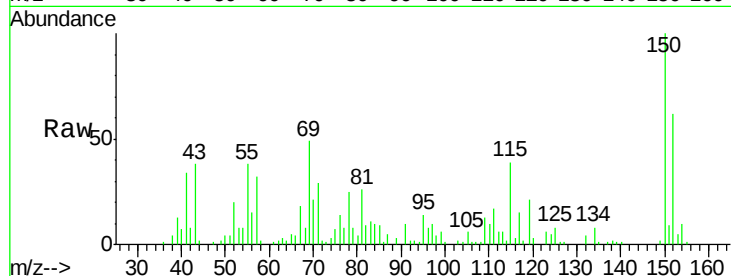
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF104286.D
Acq: 5 Apr 2018 22:46

Instrument :
BNA_F
ClientSampled :
SB-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.6	124.6	186.8
115	62.6	50.1	75.1

Manual Integrations
APPROVED

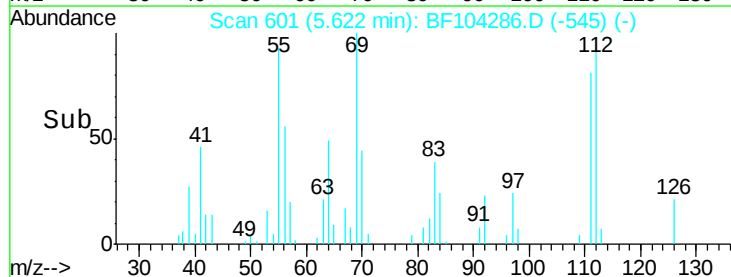
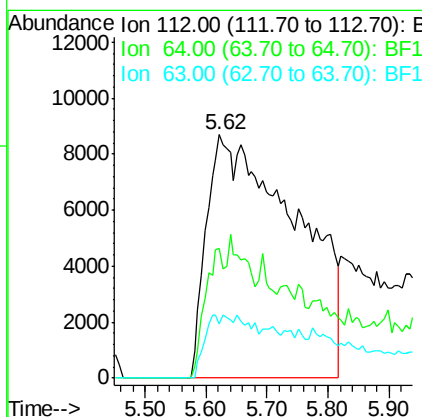
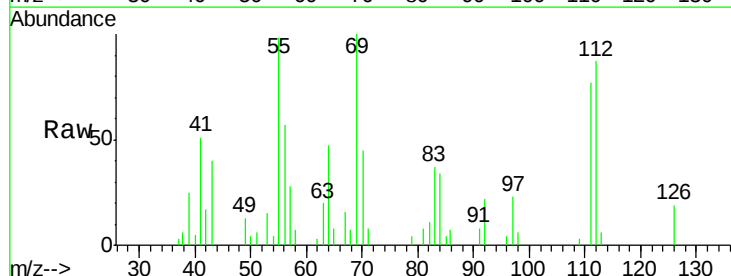
Sohil
4/6/2018 5:27:04 PM

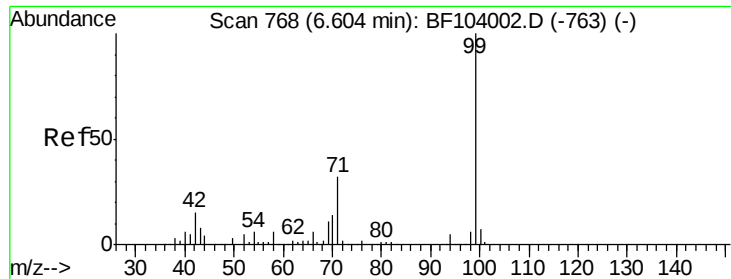


#5

2-Fluorophenol
Concen: 16.181 ng m
RT: 5.62 min Scan# 601
Delta R.T. 0.03 min
Lab File: BF104286.D
Acq: 5 Apr 2018 22:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	47.9	71.9
63	22.4	23.7	35.5#





#7

Phenol-d6

Concen: 20.469 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.02 min

Lab File: BF104286.D

Acq: 5 Apr 2018 22:46

Instrument :

BNA_F

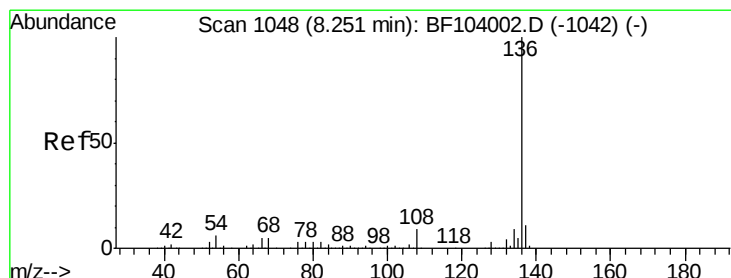
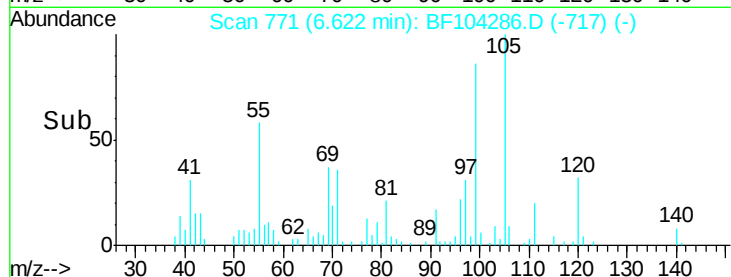
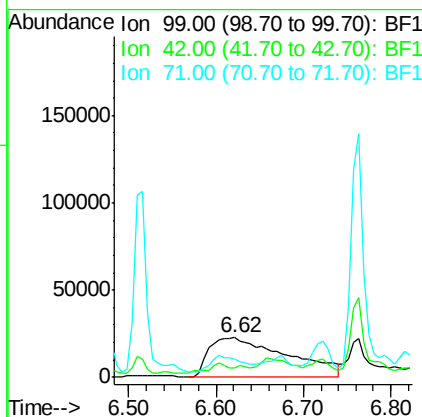
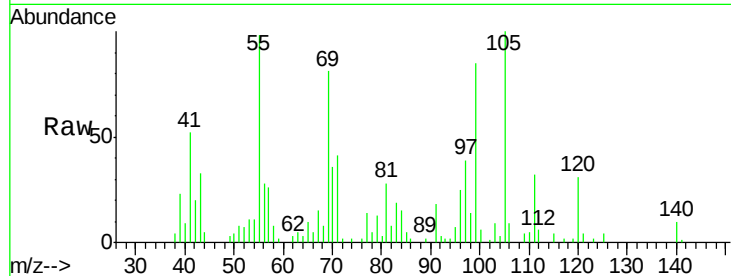
ClientSampled :

SB-2

Tot Ion:	99	Resp:	137951
Ion Ratio	Lower	Upper	
99	100		
42	23.1	14.5	21.7#
71	47.8	25.4	38.0#

Manual Integrations
APPROVED

Sohil
4/6/2018 5:27:04 PM



#21

Naphthalene-d8

Concen: 20.000 ng

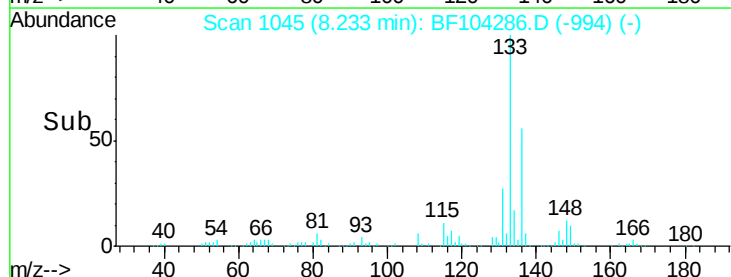
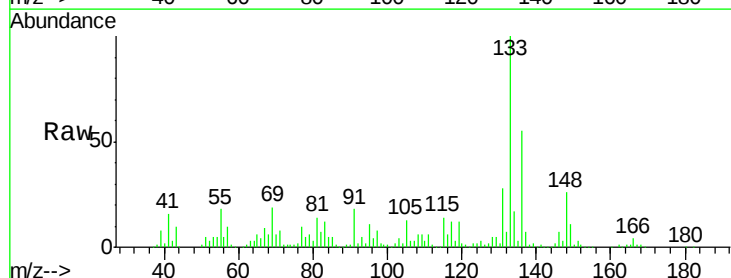
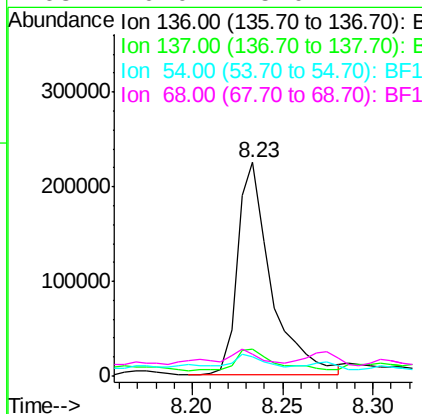
RT: 8.23 min Scan# 1045

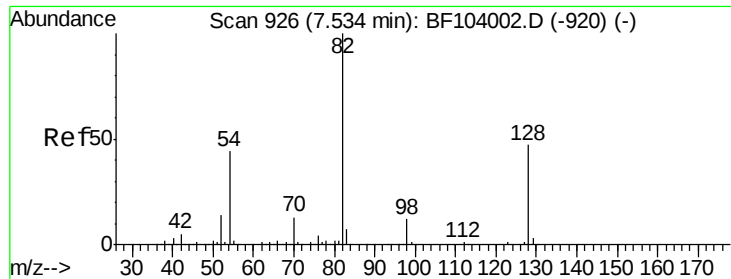
Delta R.T. -0.00 min

Lab File: BF104286.D

Acq: 5 Apr 2018 22:46

Tgt Ion:	136	Resp:	289574
Ion Ratio	Lower	Upper	
136	100		
137	12.9	8.9	13.3
54	9.1	6.6	9.8
68	10.0	5.0	7.4#





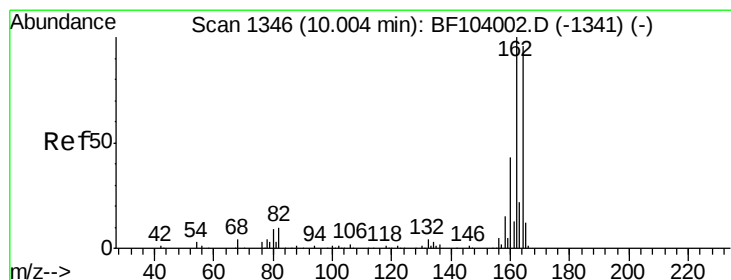
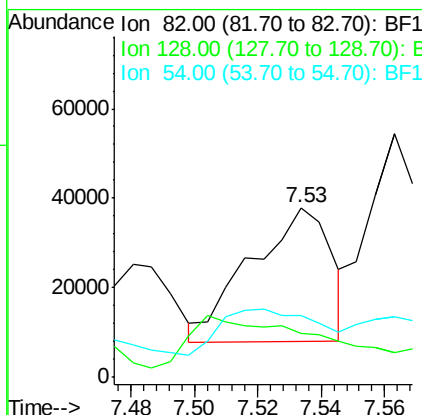
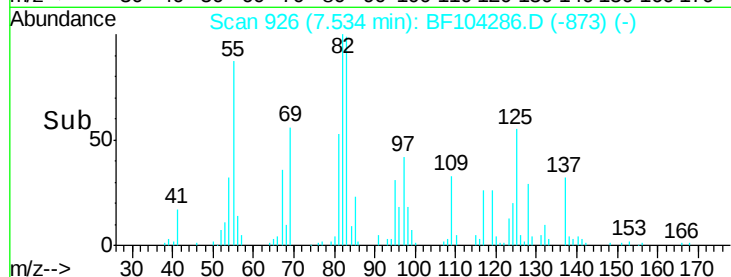
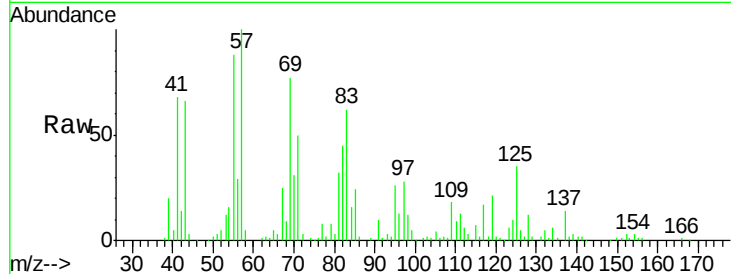
#23
Nitrobenzene-d5
Concen: 11.105 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.01 min
Lab File: BF104286.D
Acq: 5 Apr 2018 22:46

Instrument :
BNA_F
ClientSampled :
SB-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	26.0	36.1	54.1#
54	36.2	41.4	62.2#

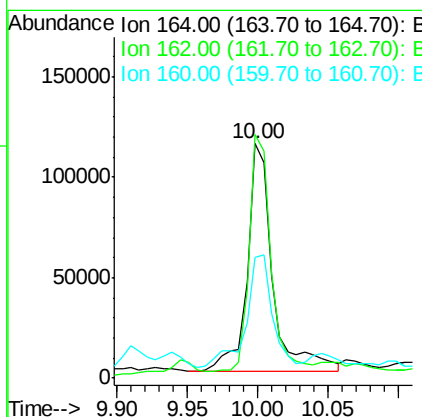
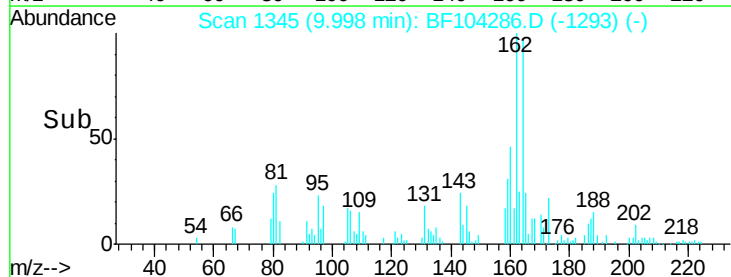
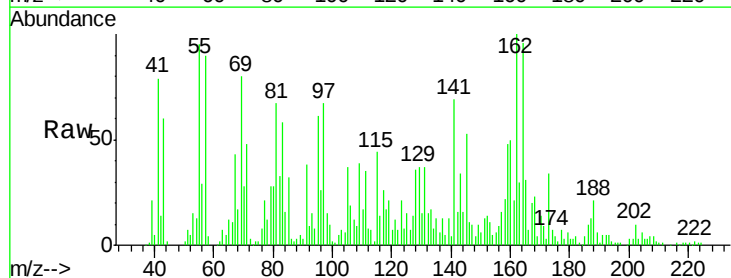
Manual Integrations
APPROVED

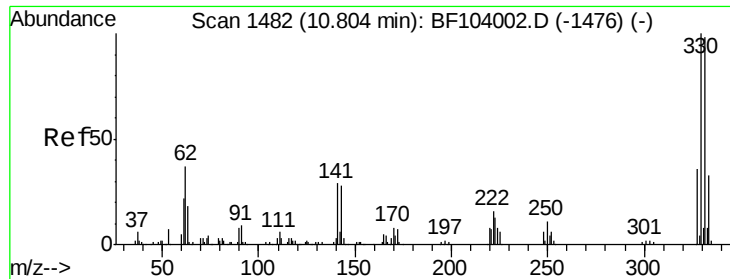
Sohil
4/6/2018 5:27:04 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.01 min
Lab File: BF104286.D
Acq: 5 Apr 2018 22:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	51.5	38.3	57.5





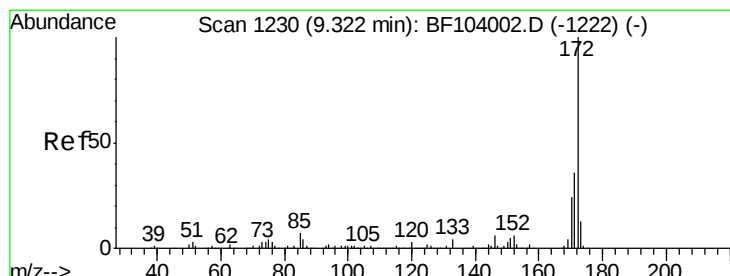
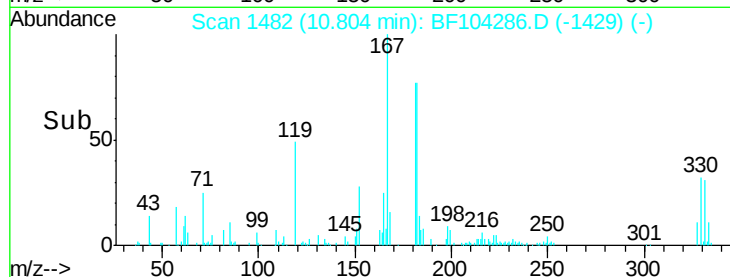
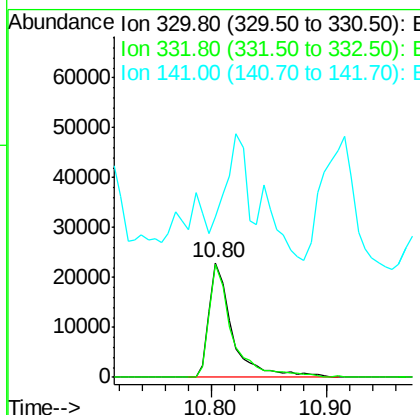
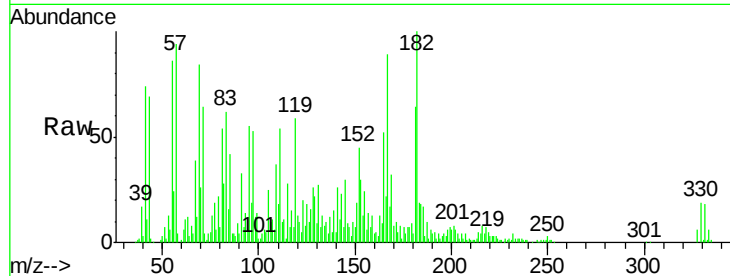
#41
 2,4,6-Tribromophenol
 Concen: 20.143 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF104286.D
 Acq: 5 Apr 2018 22:46

Instrument :
 BNA_F
 ClientSampled :
 SB-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	70.6	29.9	44.9

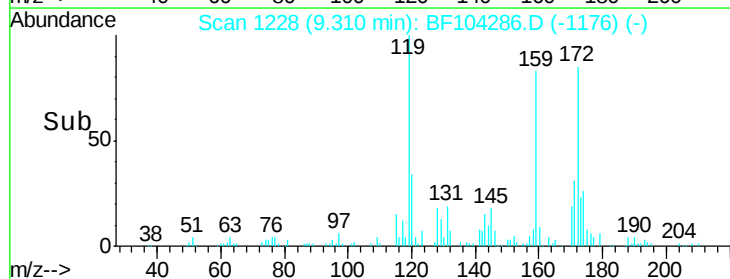
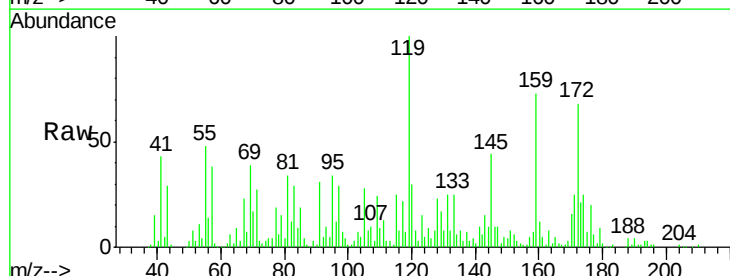
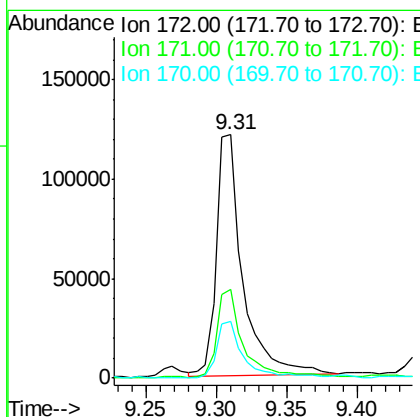
Manual Integrations
 APPROVED

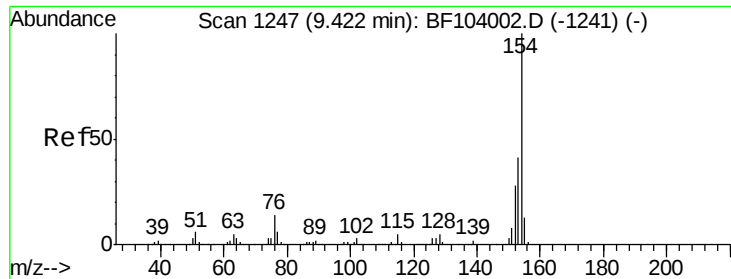
Sohil
 4/6/2018 5:27:04 PM



#44
 2-Fluorobiphenyl
 Concen: 17.217 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: BF104286.D
 Acq: 5 Apr 2018 22:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.4	19.6	29.4





#45

1,1'-Biphenyl

Concen: 18.436 ng

RT: 9.42 min Scan# 1246

Delta R.T. 0.01 min

Lab File: BF104286.D

Acq: 5 Apr 2018 22:46

Instrument :

BNA_F

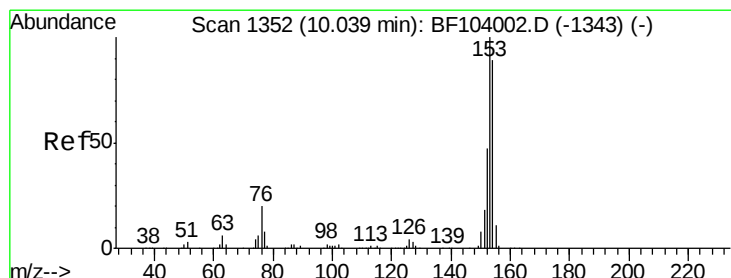
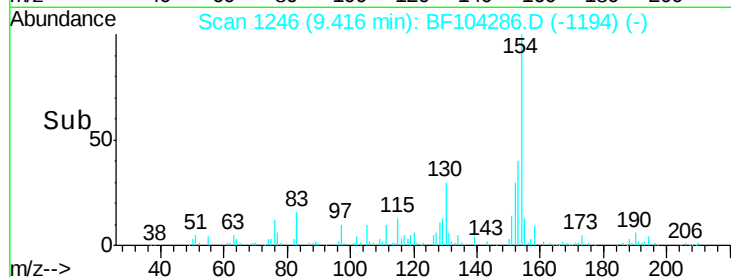
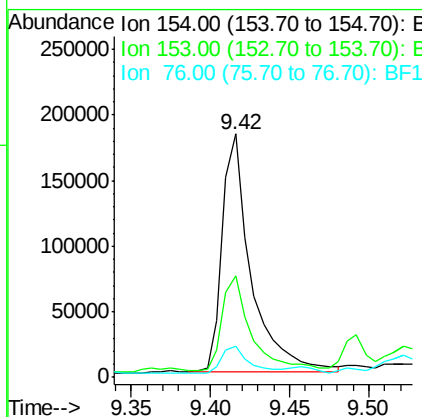
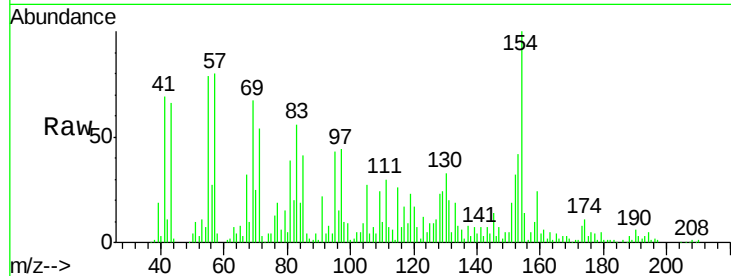
ClientSampled :

SB-2

Tot Ion:	154	Resp:	229451
Ion Ratio	Lower	Upper	
154	100		
153	41.6	21.3	61.3
76	12.8	0.0	34.0

Manual Integrations
APPROVED

Sohil
4/6/2018 5:27:04 PM



#51

Acenaphthene

Concen: 16.326 ng

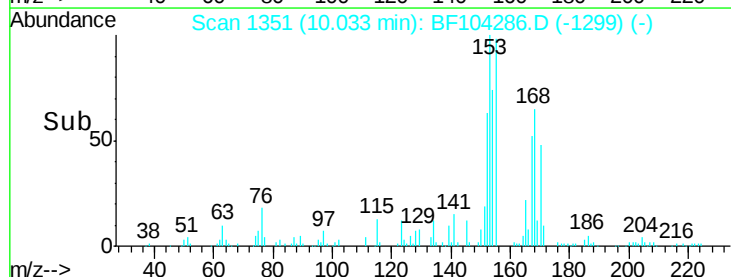
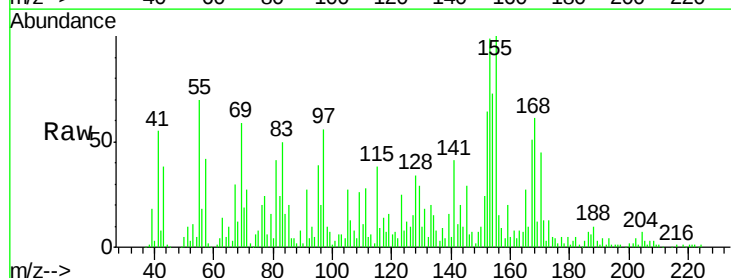
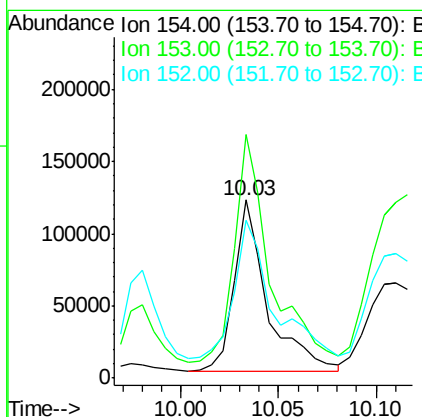
RT: 10.03 min Scan# 1351

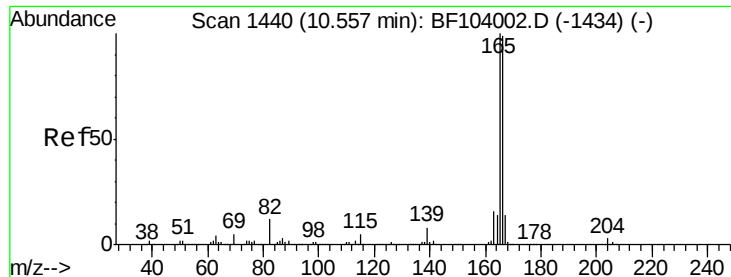
Delta R.T. 0.01 min

Lab File: BF104286.D

Acq: 5 Apr 2018 22:46

Tgt Ion:	154	Resp:	140464
Ion Ratio	Lower	Upper	
154	100		
153	136.7	91.2	136.8
152	88.8	43.8	65.8#





#57

Fluorene

Concen: 20.538 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BF104286.D

Acq: 5 Apr 2018 22:46

Instrument :

BNA_F

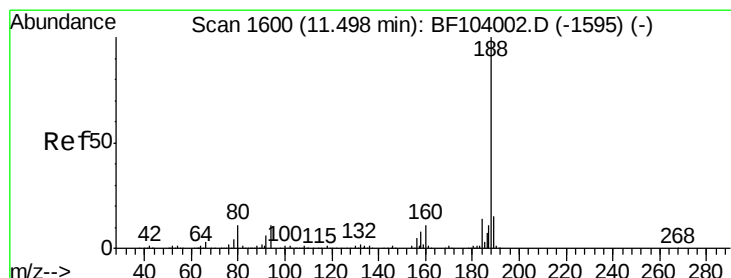
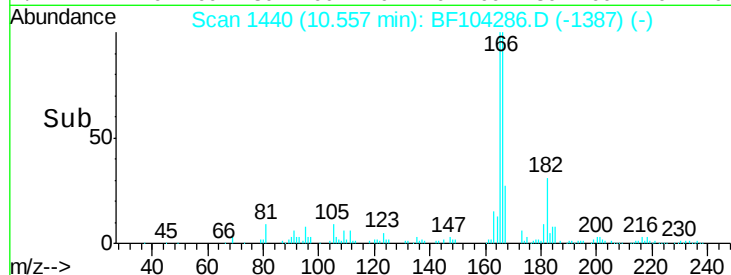
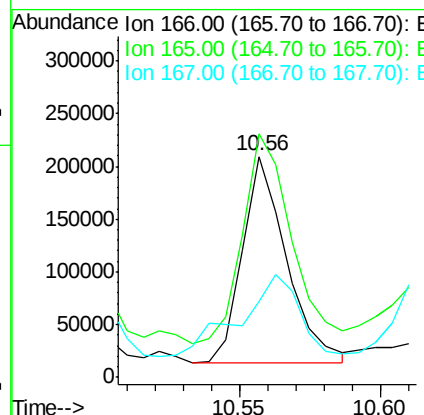
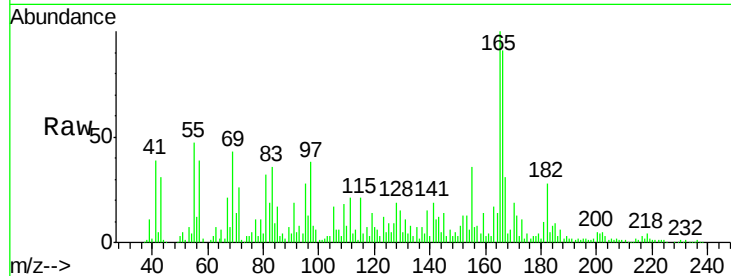
ClientSampled :

SB-2

Tot Ion:	166	Resp:	212864
Ion Ratio	Lower	Upper	
166	100		
165	110.3	79.8	119.8
167	34.2	10.6	16.0#

Manual Integrations
APPROVED

Sohil
4/6/2018 5:27:04 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

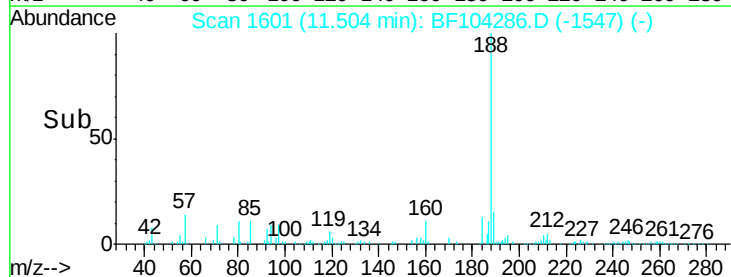
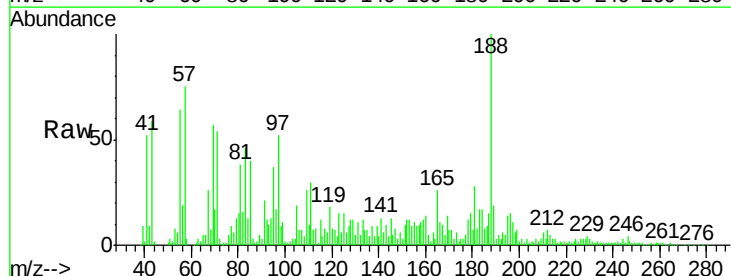
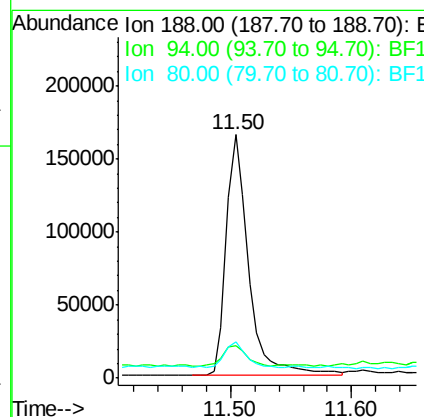
RT: 11.50 min Scan# 1601

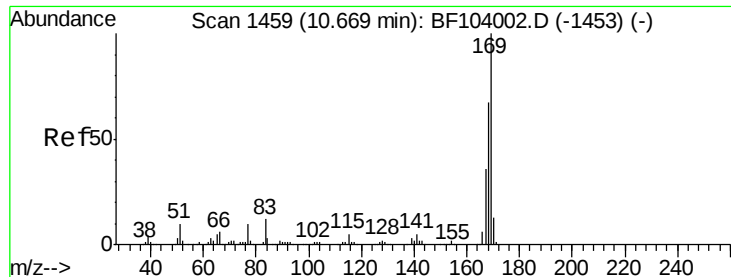
Delta R.T. 0.02 min

Lab File: BF104286.D

Acq: 5 Apr 2018 22:46

Tgt Ion:	188	Resp:	210349
Ion Ratio	Lower	Upper	
188	100		
94	13.4	8.5	12.7#
80	15.0	9.2	13.8#





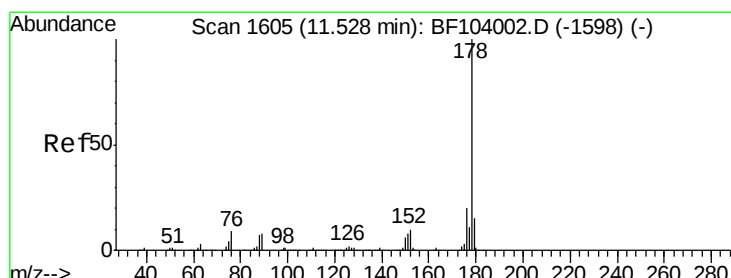
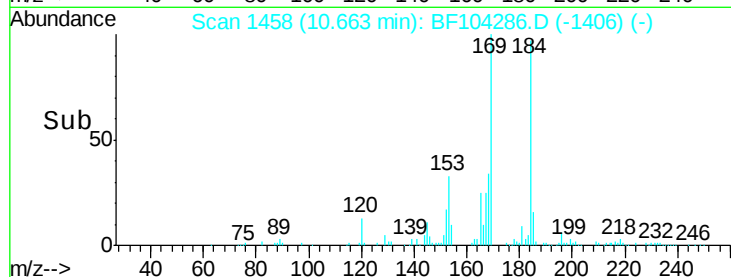
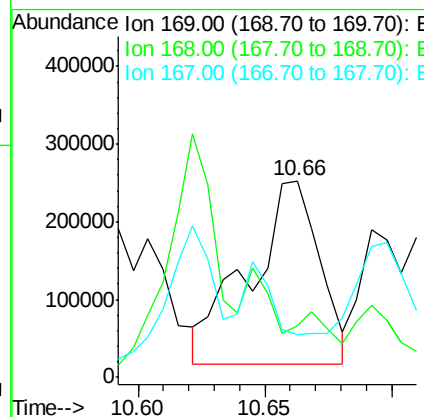
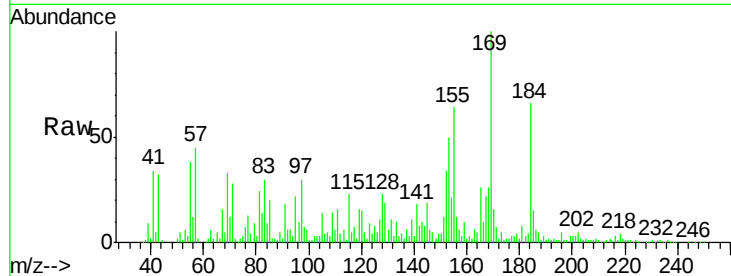
#65
n-Nitrosodiphenylamine
Concen: 64.125 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.01 min
Lab File: BF104286.D
Acq: 5 Apr 2018 22:46

Instrument :
BNA_F
ClientSampled :
SB-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
169	100		456819		
168	26.2	54.4	81.6#		
167	21.6	29.8	44.6#		

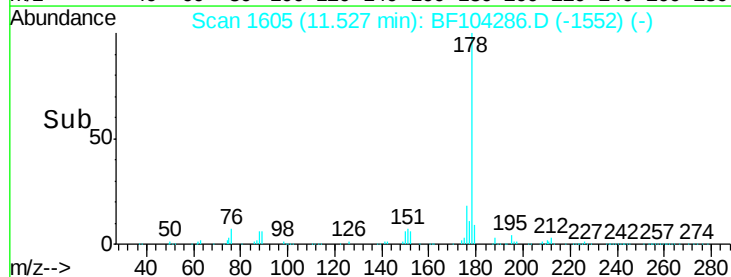
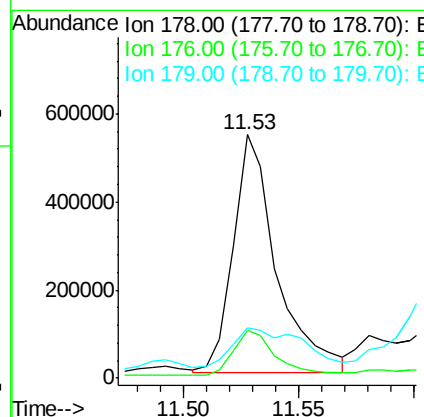
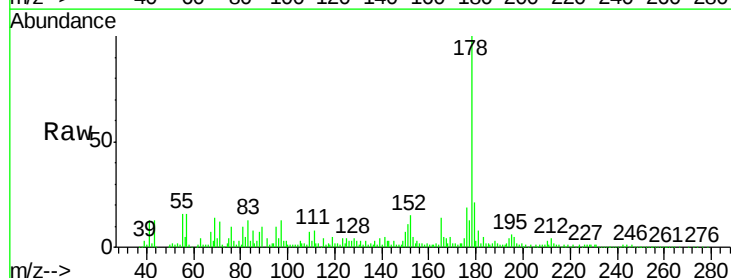
Manual Integrations
APPROVED

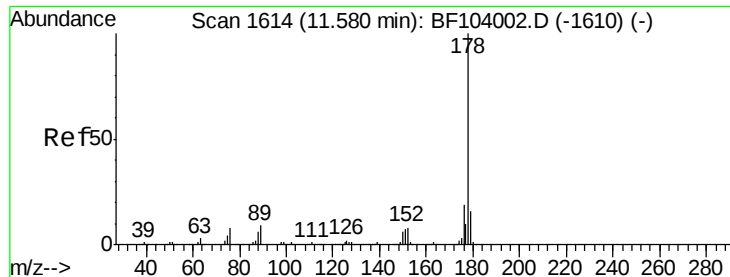
Sohil
4/6/2018 5:27:04 PM



#70
Phenanthrene
Concen: 62.235 ng
RT: 11.53 min Scan# 1605
Delta R.T. 0.01 min
Lab File: BF104286.D
Acq: 5 Apr 2018 22:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		708766		
176	19.4	15.8	23.8		
179	20.7	13.0	19.6#		





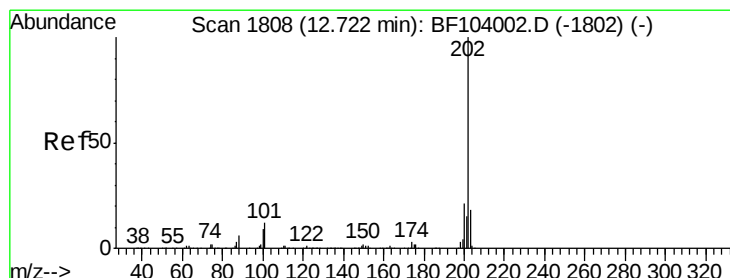
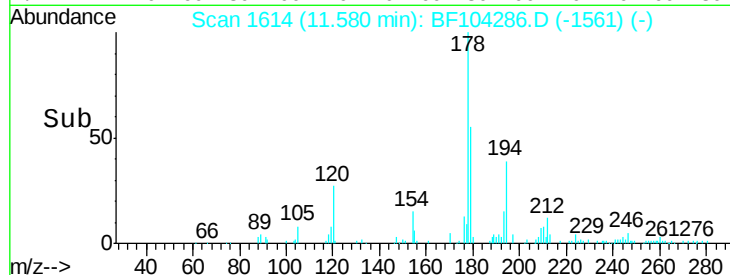
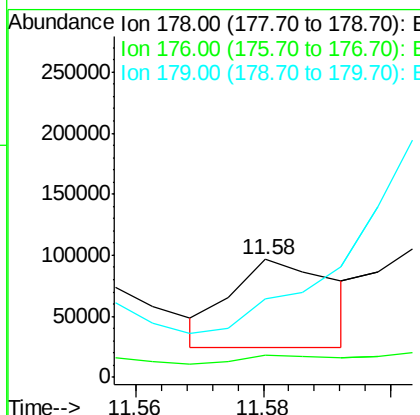
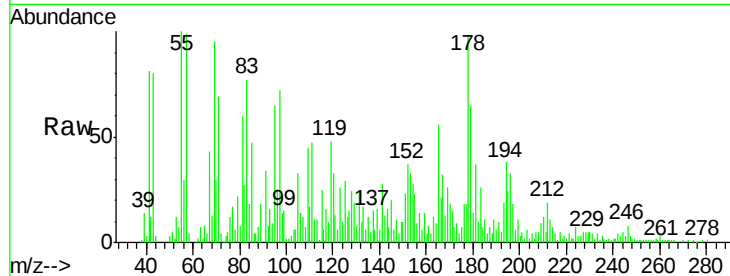
#71
 Anthracene
 Concen: 6.801 ng/mL
 RT: 11.58 min Scan# 1614
 Delta R.T. 0.01 min
 Lab File: BF104286.D
 Acq: 5 Apr 2018 22:46

Instrument :
 BNA_F
 ClientSampleID :
 SB-2

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.7	15.4	23.2	
179	66.4	12.6	19.0	

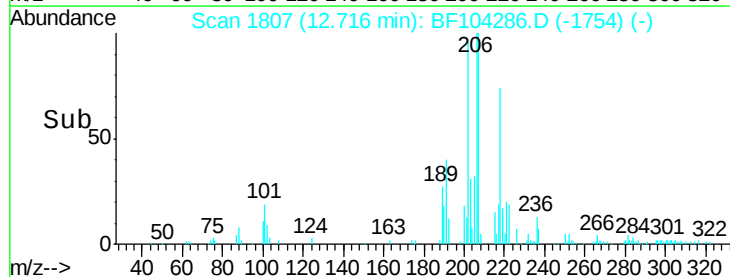
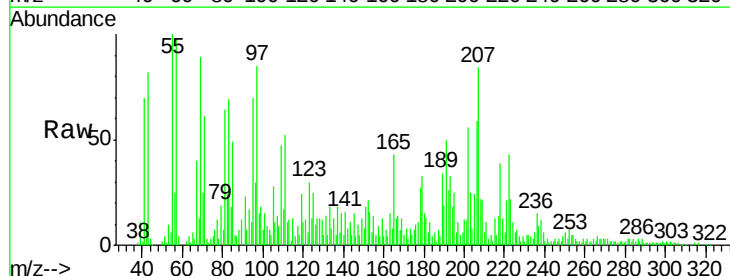
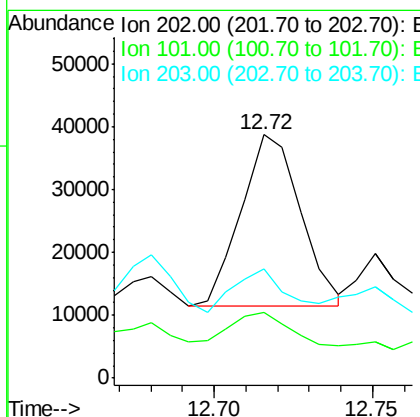
Manual Integrations
 APPROVED

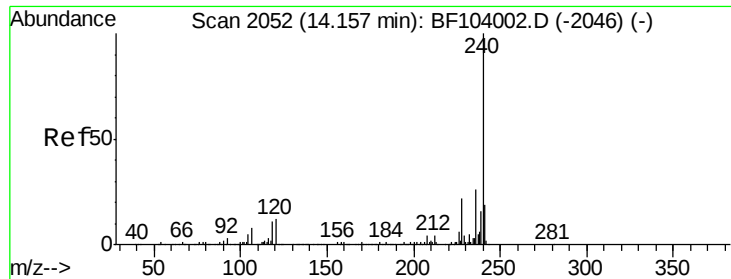
Sohil
 4/6/2018 5:27:04 PM



#74
 Fluoranthene
 Concen: 2.952 ng/mL
 RT: 12.72 min Scan# 1807
 Delta R.T. 0.01 min
 Lab File: BF104286.D
 Acq: 5 Apr 2018 22:46

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	27.1	0.0	34.1	
203	44.6	0.0	38.1	





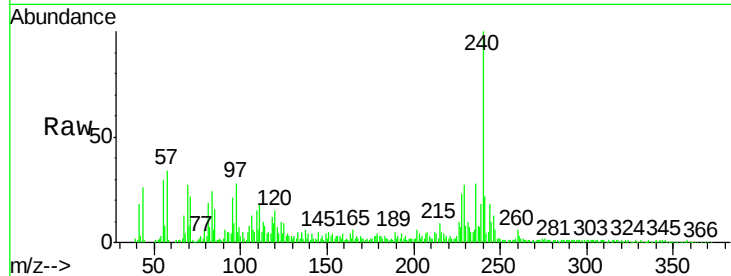
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BF104286.D
Acq: 5 Apr 2018 22:46

Instrument :
BNA_F
ClientSampled :
SB-2

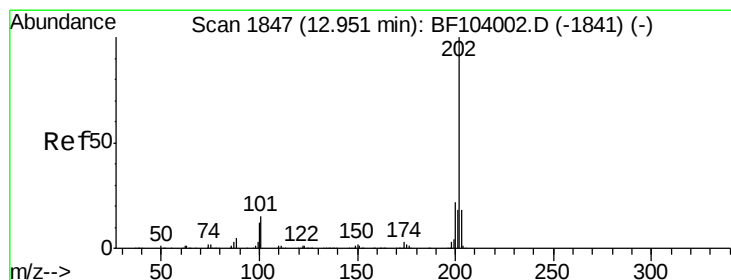
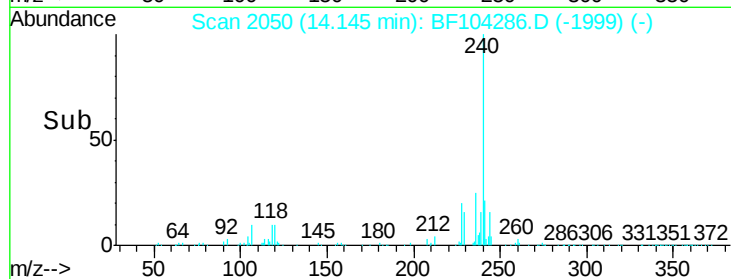
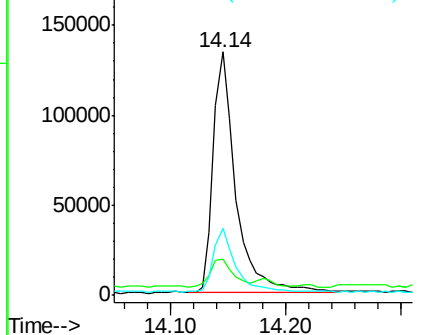
Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	14.8	9.5	14.3#
236	27.5	20.7	31.1

Manual Integrations
APPROVED

Sohil
4/6/2018 5:27:04 PM

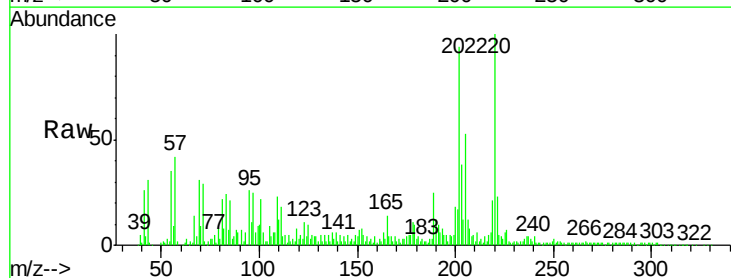


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

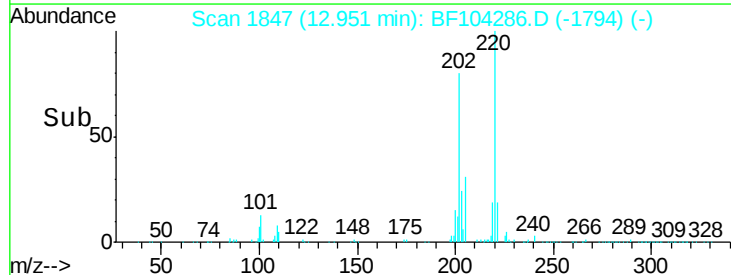
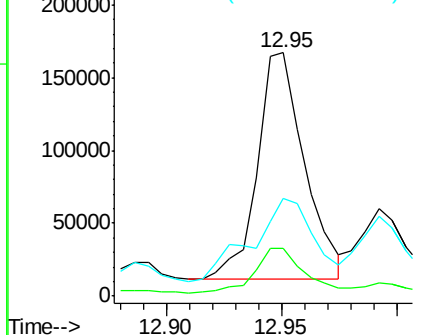


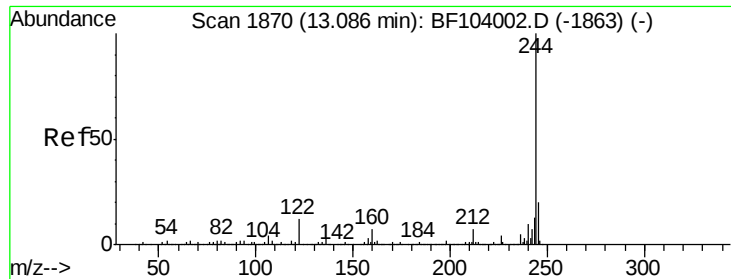
#77
Pyrene
Concen: 17.073 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.01 min
Lab File: BF104286.D
Acq: 5 Apr 2018 22:46

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	19.6	17.4	26.2
203	40.0	14.3	21.5#



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: 19.025 ng

RT: 13.07 min Scan# 1868

Delta R.T. 0.01 min

Lab File: BF104286.D

Acq: 5 Apr 2018 22:46

Instrument :

BNA_F

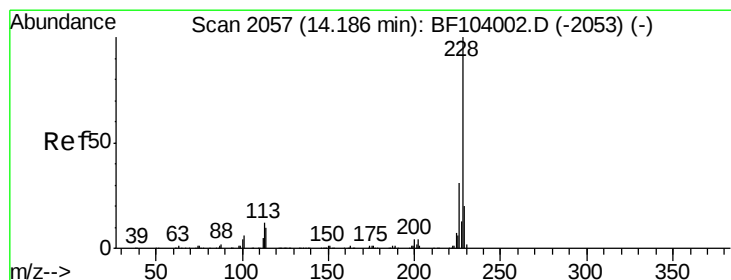
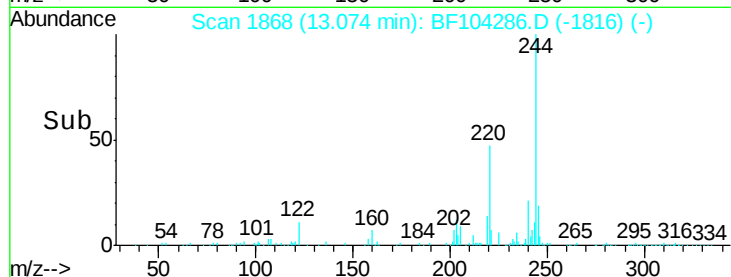
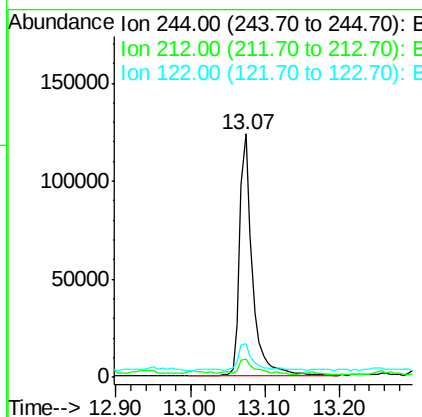
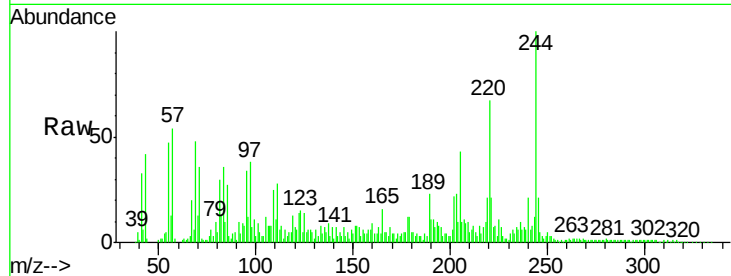
ClientSampled :

SB-2

Tot Ion:	244	Resp:	149578
Ion Ratio	Lower	Upper	
244	100		
212	7.8	5.4	8.0
122	13.6	11.0	16.4

Manual Integrations
APPROVED

Sohil
4/6/2018 5:27:04 PM



#82

Chrysene

Concen: 9.550 ng

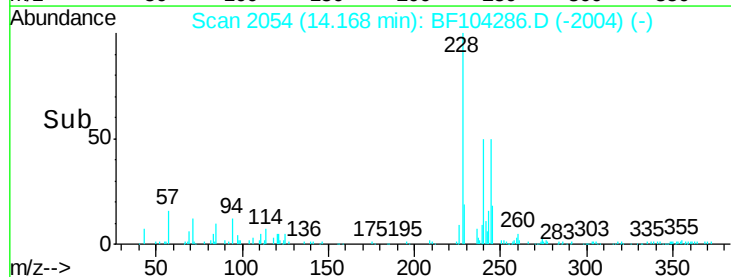
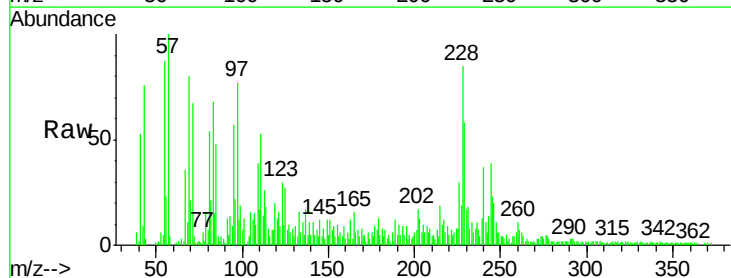
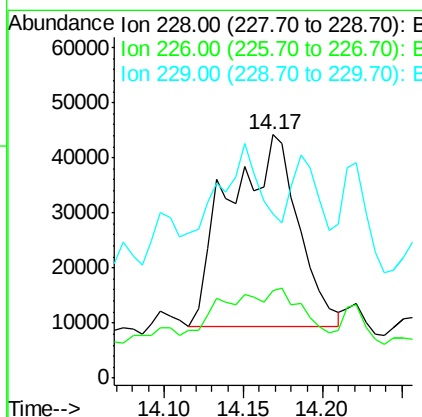
RT: 14.17 min Scan# 2054

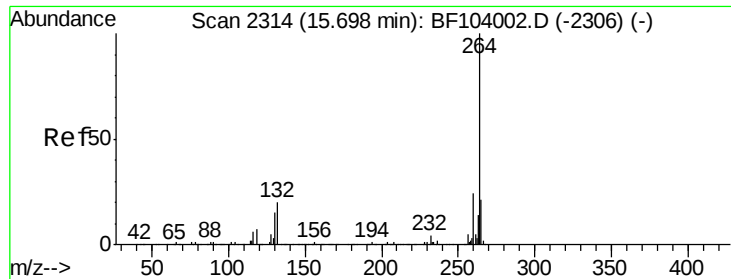
Delta R.T. -0.01 min

Lab File: BF104286.D

Acq: 5 Apr 2018 22:46

Tgt Ion:	228	Resp:	106247
Ion Ratio	Lower	Upper	
228	100		
226	35.7	25.0	37.6
229	67.4	16.2	24.4#





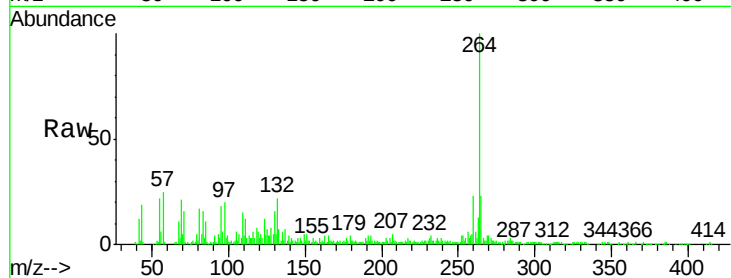
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: BF104286.D
 Acq: 5 Apr 2018 22:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	23.1	17.5	26.3

Manual Integrations
 APPROVED

Sohil
 4/6/2018 5:27:04 PM



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

