

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091418\
 Data File : BF109002.D
 Acq On : 14 Sep 2018 18:36
 Operator : JU/SJ
 Sample : J4906-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-PIT-8

Manual Integrations
 APPROVED

Sohil
 9/17/2018 4:21:47 PM

Quant Time: Sep 17 13:06:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	156810	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	615555	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	301068	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	592292	20.00	ng	0.00
75) Chrysene-d12	13.85	240	441274	20.00	ng	0.00
86) Perylene-d12	15.25	264	405183	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	744596	78.87	ng	0.00
7) Phenol-d6	6.35	99	953551	78.33	ng	0.00
23) Nitrobenzene-d5	7.28	82	607484	55.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	266572	81.59	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1028299	53.51	ng	0.00
78) Terphenyl-d14	12.81	244	1034565	55.57	ng	0.00
Target Compounds						
10) Phenol	6.36	94	32193	2.350	ng	76
49) Dimethylphthalate	9.47	163	132700	6.167	ng	100
74) Fluoranthene	12.43	202	97213	3.172	ng	96
77) Pyrene	12.65	202	136337	4.160	ng	98
80) Benzo(a)anthracene	13.84	228	62112m	2.325	ng	
82) Chrysene	13.87	228	64695	2.420	ng	97
87) Benzo(b)fluoranthene	14.85	252	54632m	2.437	ng	
89) Benzo(a)pyrene	15.19	252	46818	2.352	ng	# 95

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

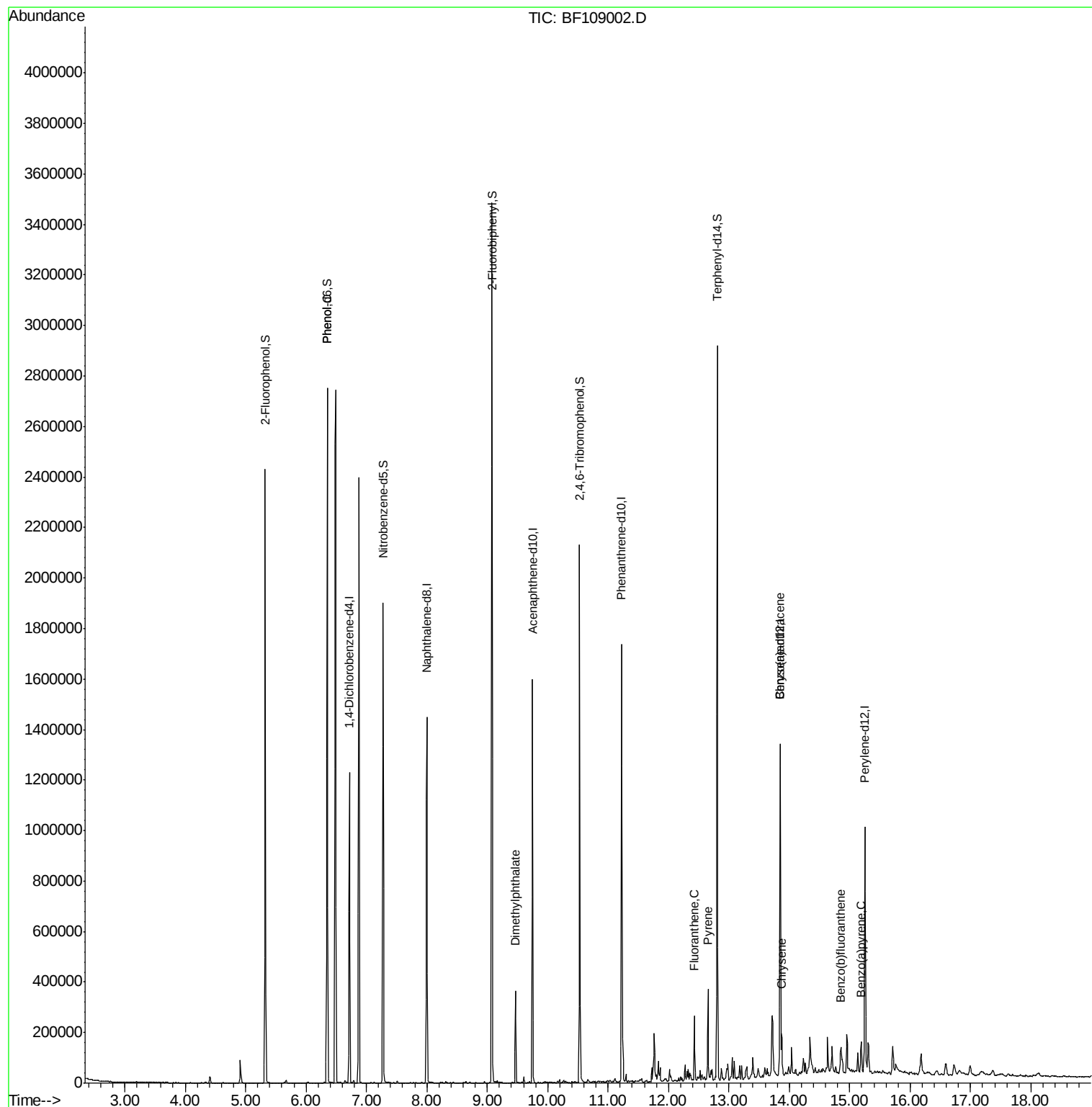
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091418\
Data File : BF109002.D
Acq On : 14 Sep 2018 18:36
Operator : JU/SJ
Sample : J4906-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

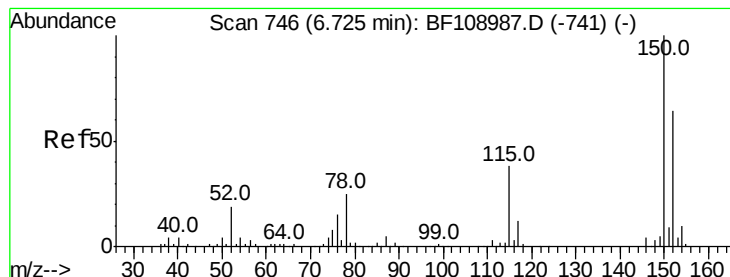
Instrument :
BNA_F
ClientSampleId :
SP-PIT-8

Manual Integrations
APPROVED

Sohil
9/17/2018 4:21:47 PM

Quant Time: Sep 17 13:06:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 14 13:26:52 2018
Response via : Initial Calibration





#1

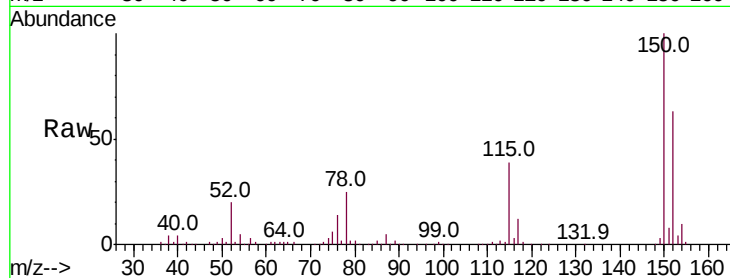
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109002.D
Acq: 14 Sep 2018 18:36

Instrument :
BNA_F
ClientSampled :
SP-PIT-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	61.4	50.1	75.1

Manual Integrations
APPROVED

Sohil
9/17/2018 4:21:47 PM

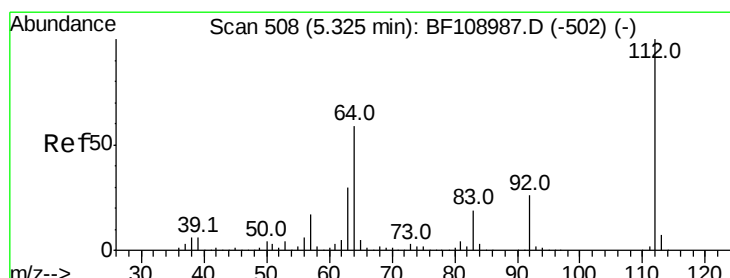
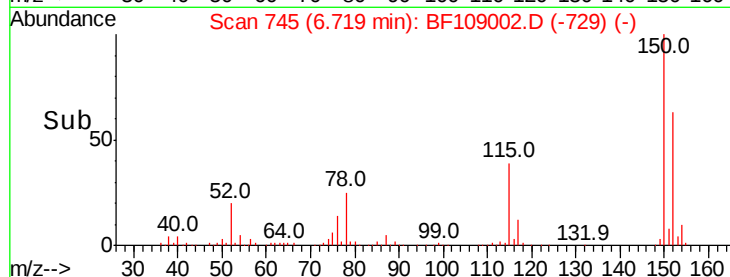
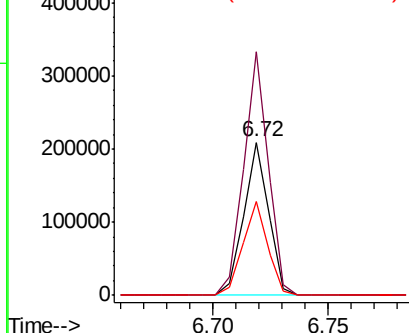


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

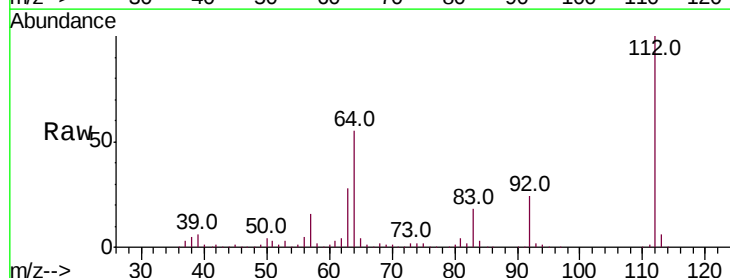
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 78.865 ng
RT: 5.33 min Scan# 509
Delta R.T. 0.01 min
Lab File: BF109002.D
Acq: 14 Sep 2018 18:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	47.9	71.9
63	28.3	23.7	35.5

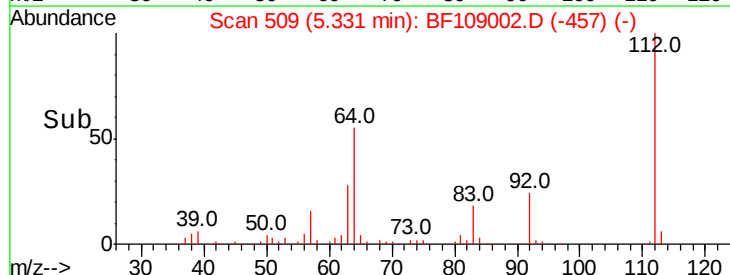
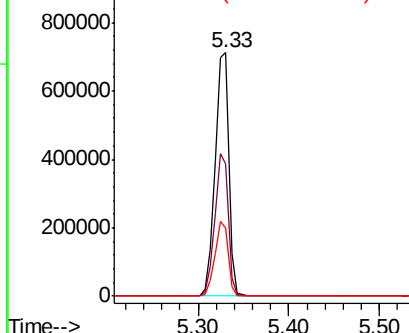


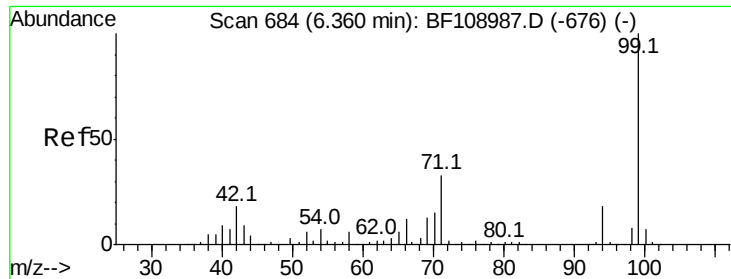
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 78.326 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109002.D

Acq: 14 Sep 2018 18:36

Instrument :

BNA_F

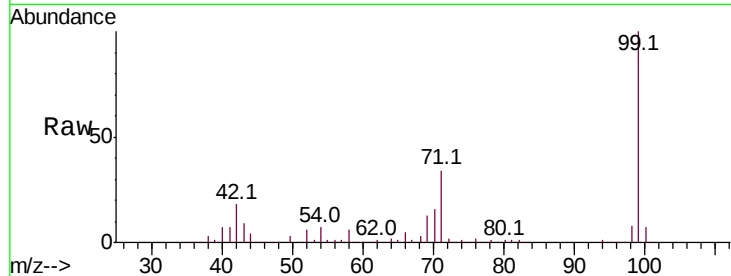
ClientSampled :

SP-PIT-8

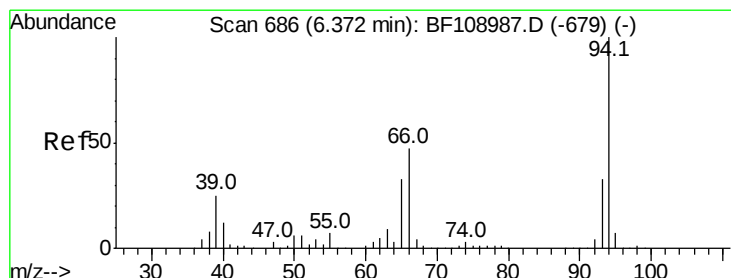
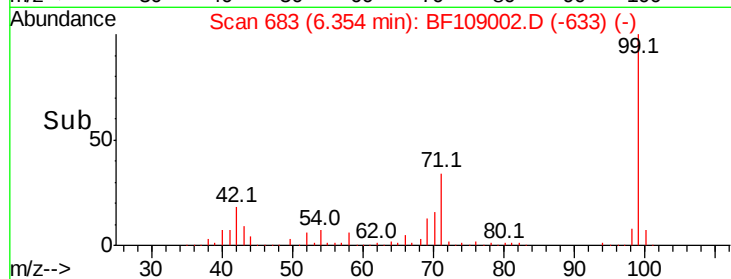
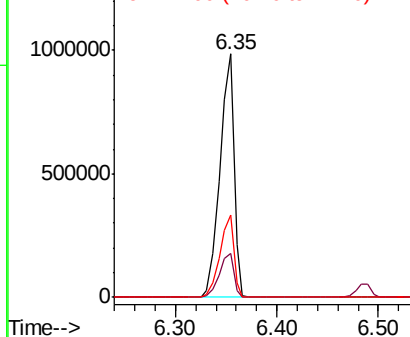
Tot Ion:	99	Resp:	953551
Ion Ratio	Lower	Upper	
99	100		
42	18.3	14.5	21.7
71	33.7	25.4	38.0

Manual Integrations
APPROVED

Sohil
9/17/2018 4:21:47 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.350 ng

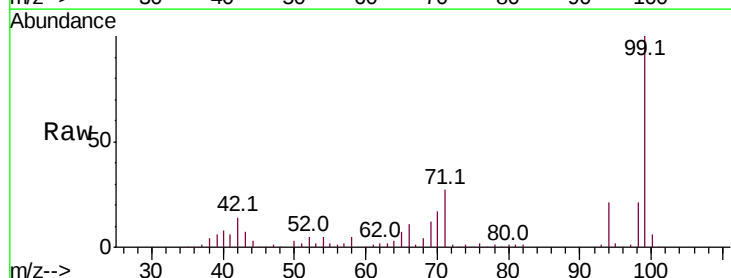
RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

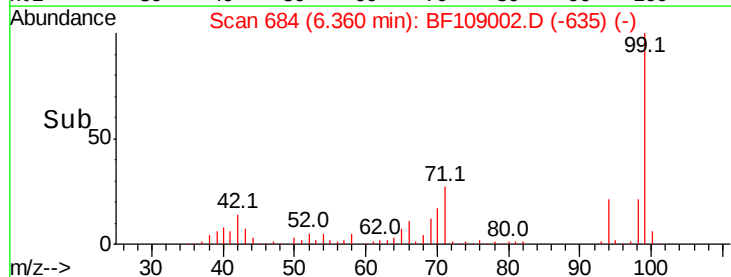
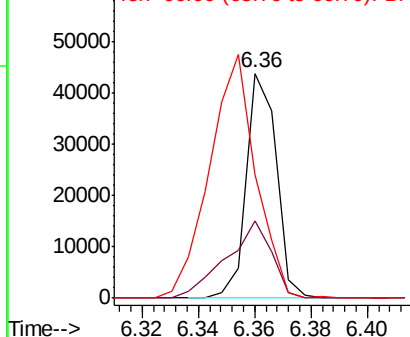
Lab File: BF109002.D

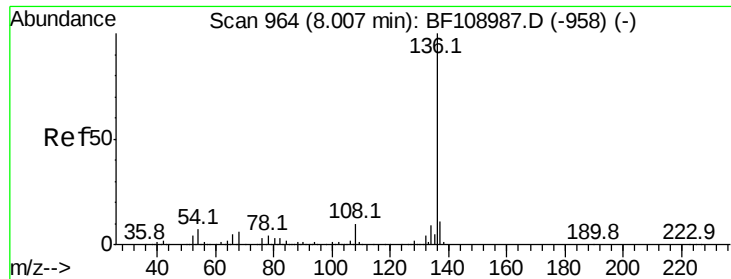
Acq: 14 Sep 2018 18:36

Tgt Ion:	94	Resp:	32193
Ion Ratio	Lower	Upper	
94	100		
65	34.5	7.9	47.9
66	55.0	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF109002.D

Acq: 14 Sep 2018 18:36

Instrument :

BNA_F

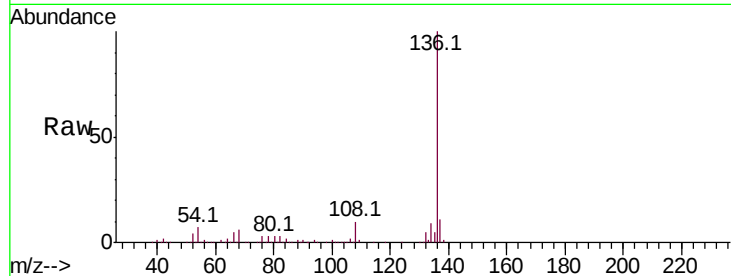
ClientSampled :

SP-PIT-8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		615555		
137	10.9		8.9	13.3	
54	7.0		6.6	9.8	
68	5.7		5.0	7.4	

Manual Integrations
APPROVED

Sohil
9/17/2018 4:21:47 PM

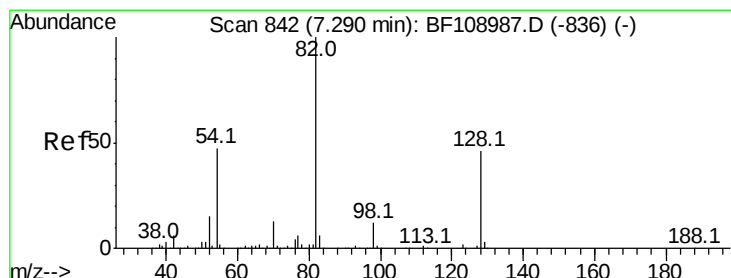
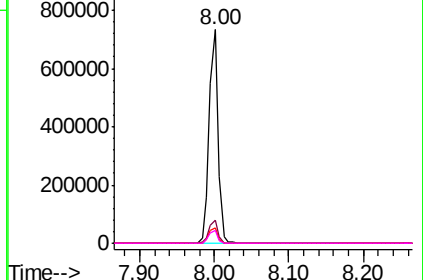
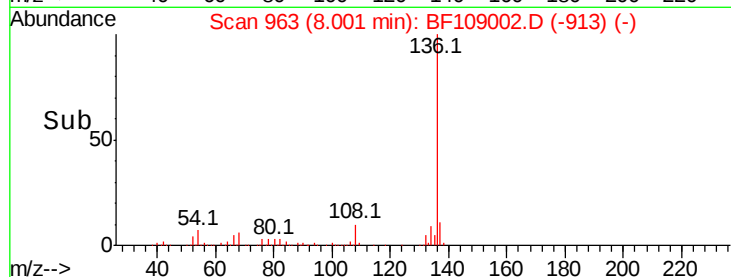


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 55.353 ng

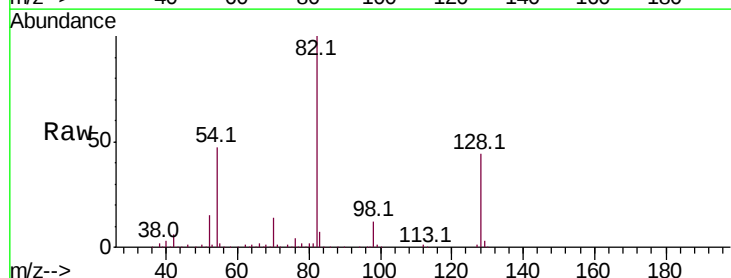
RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF109002.D

Acq: 14 Sep 2018 18:36

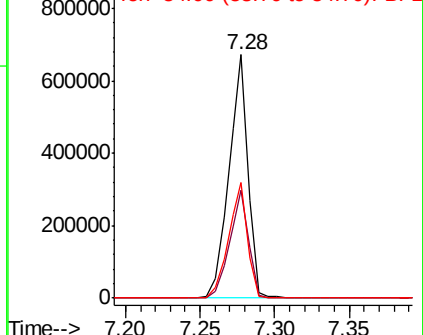
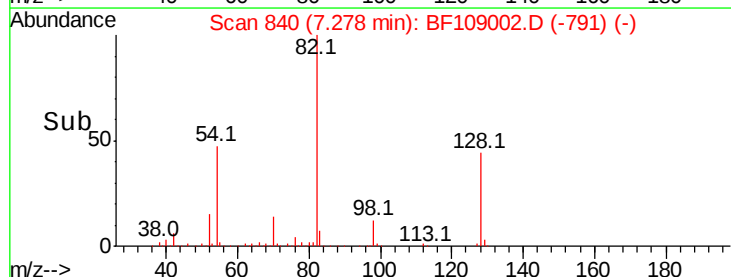
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		607484		
128	44.2		36.1	54.1	
54	47.5		41.4	62.2	

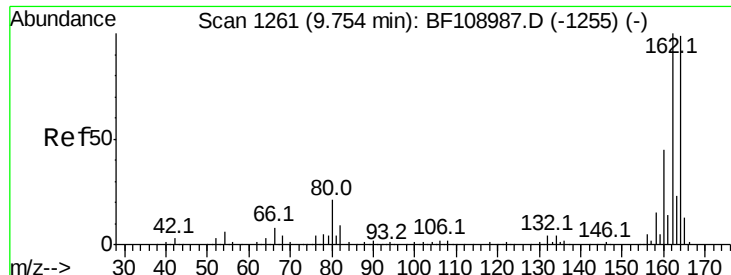


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





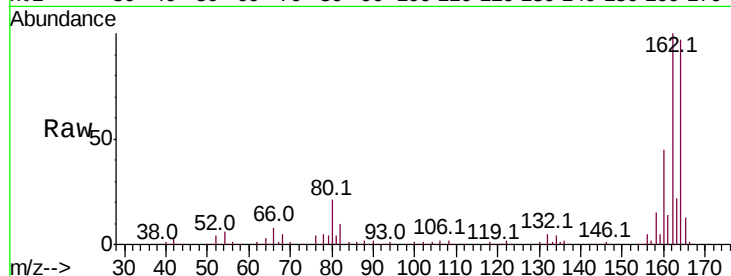
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF109002.D
Acq: 14 Sep 2018 18:36

Instrument :
BNA_F
ClientSampled :
SP-PIT-8

Tot Ion	Ratio	Resp	Lower	Upper
164	100	301068		
162	102.7	86.1	129.1	
160	46.5	38.3	57.5	

Manual Integrations
APPROVED

Sohil
9/17/2018 4:21:47 PM

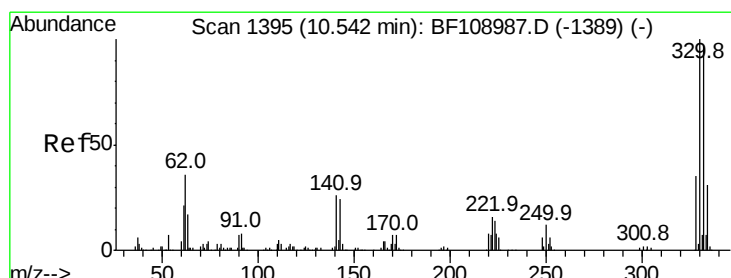
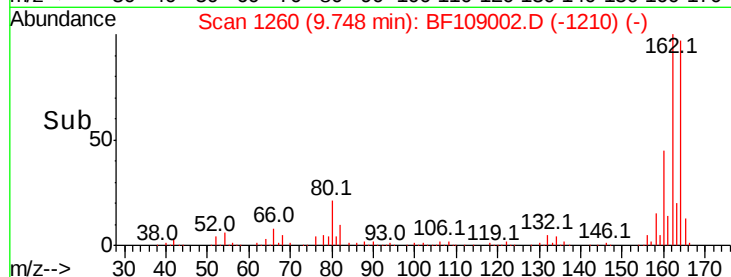
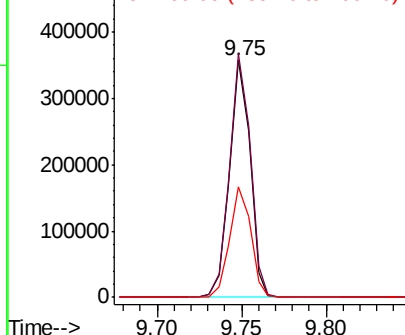


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
2,4,6-Tribromophenol
Concen: 81.586 ng
RT: 10.54 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BF109002.D
Acq: 14 Sep 2018 18:36

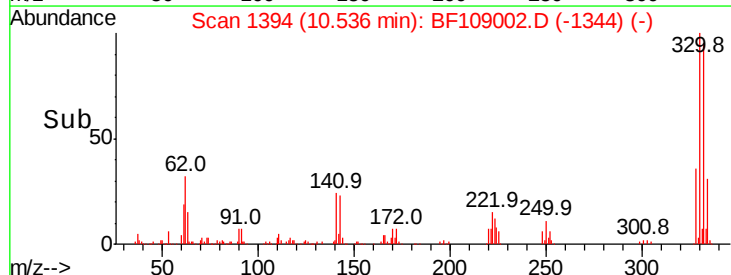
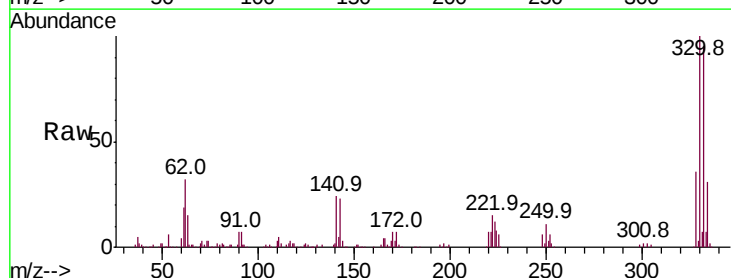
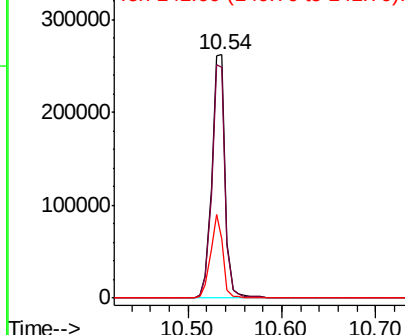
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	266572		
332	95.2	77.0	115.6	
141	31.9	29.9	44.9	

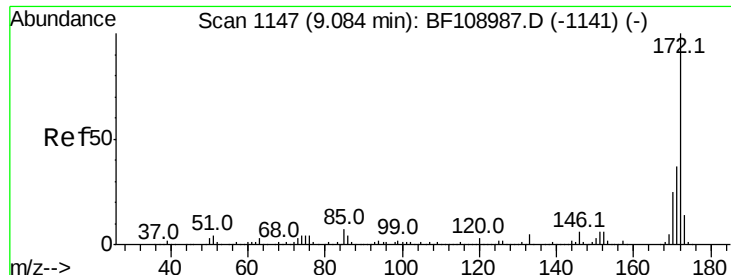
Abundance

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





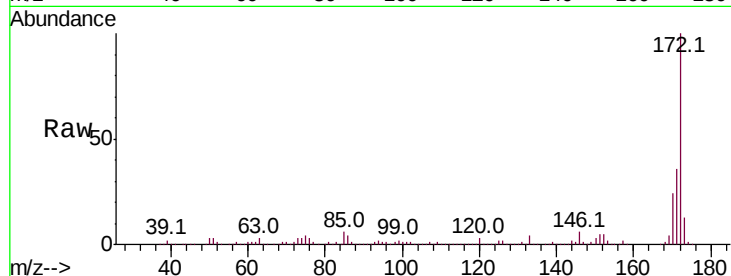
#44
2-Fluorobiphenyl
Concen: 53.512 ng
RT: 9.08 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF109002.D
Acq: 14 Sep 2018 18:36

Instrument :
BNA_F
ClientSampleId :
SP-PIT-8

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.1	19.6	29.4

Manual Integrations
APPROVED

Sohil
9/17/2018 4:21:47 PM

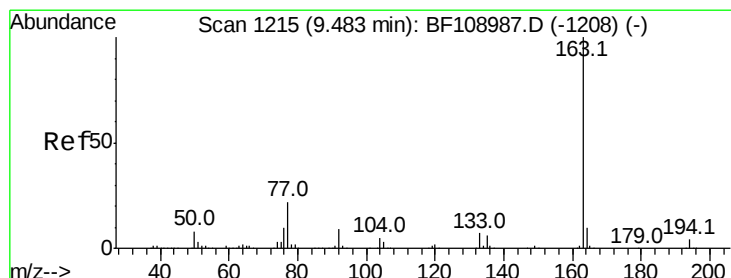
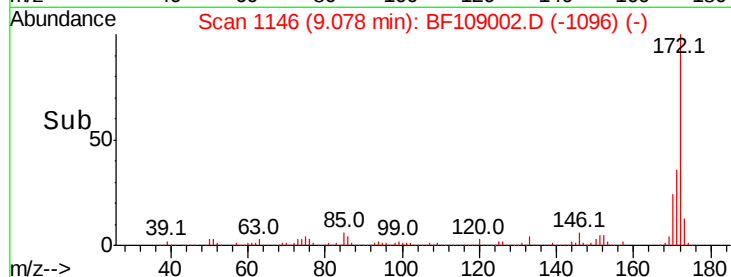
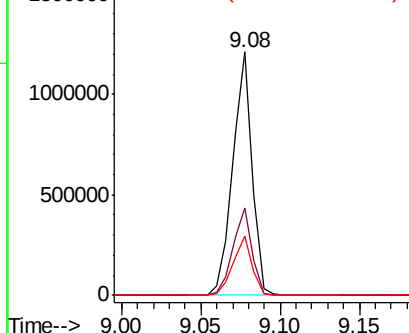


Abundance

Ion 172.00 (171.70 to 172.70): E

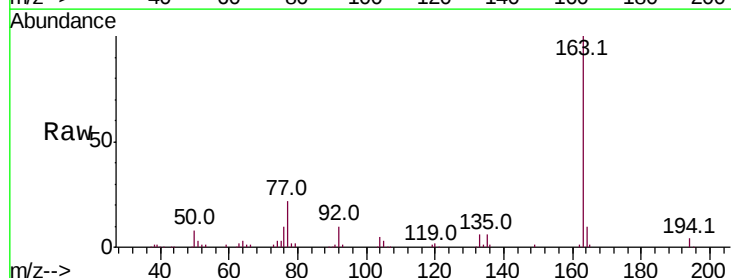
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Dimethylphthalate
Concen: 6.167 ng
RT: 9.47 min Scan# 1212
Delta R.T. -0.02 min
Lab File: BF109002.D
Acq: 14 Sep 2018 18:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.2	8.2	12.2

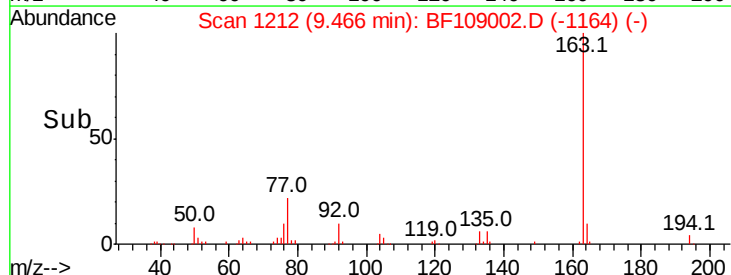
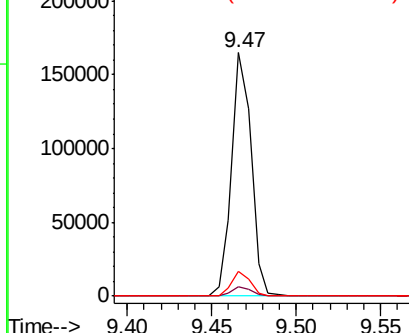


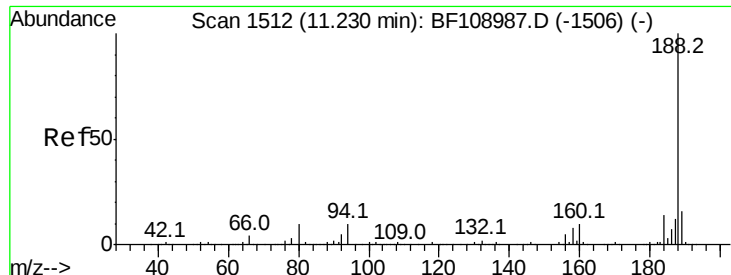
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





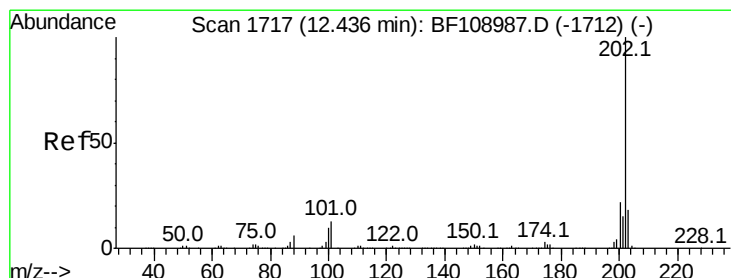
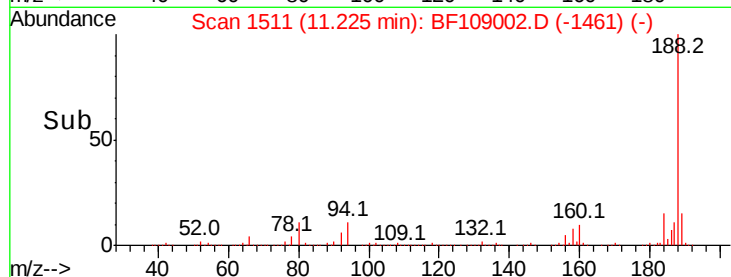
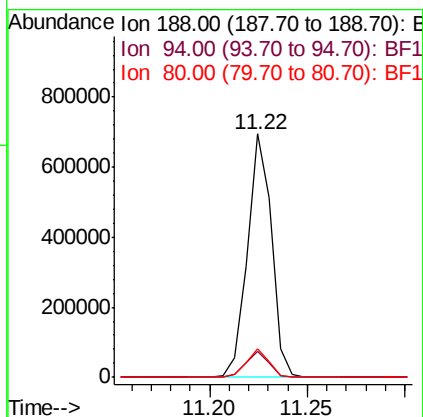
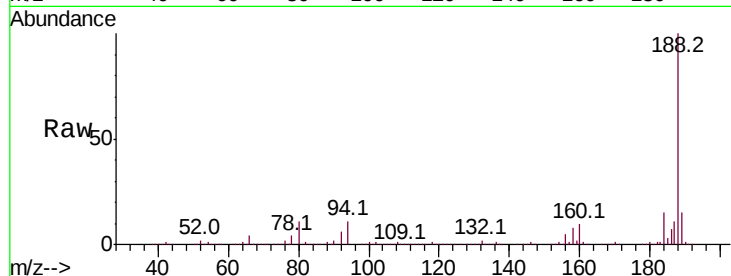
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF109002.D
Acq: 14 Sep 2018 18:36

Instrument :
BNA_F
ClientSampleId :
SP-PIT-8

Tot Ion	Ratio	Resp	Lower	Upper
188	100	592292		
94	10.6		8.5	12.7
80	11.5		9.2	13.8

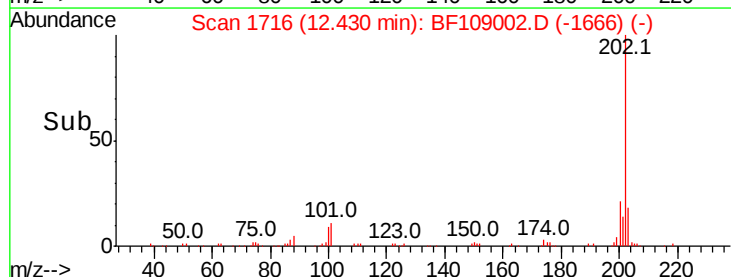
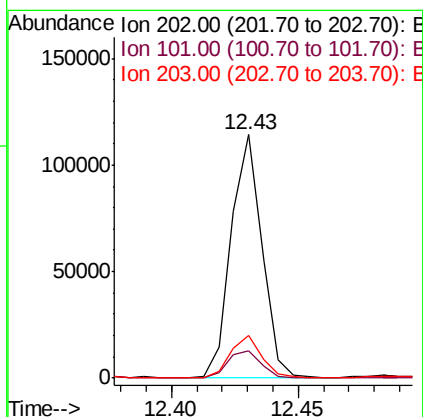
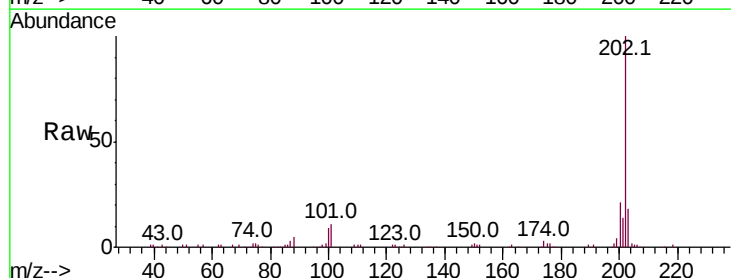
Manual Integrations
APPROVED

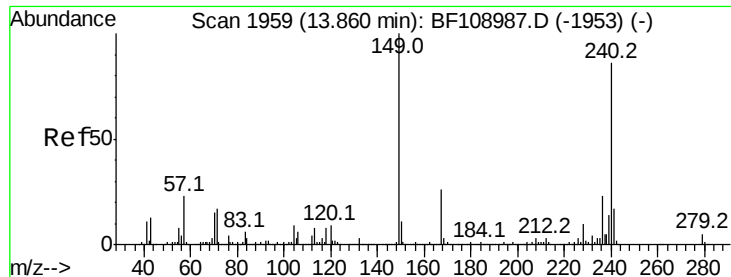
Sohil
9/17/2018 4:21:47 PM



#74
Fluoranthene
Concen: 3.172 ng
RT: 12.43 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BF109002.D
Acq: 14 Sep 2018 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	97213		
101	11.0		0.0	34.1
203	17.6		0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109002.D

Acq: 14 Sep 2018 18:36

Instrument :

BNA_F

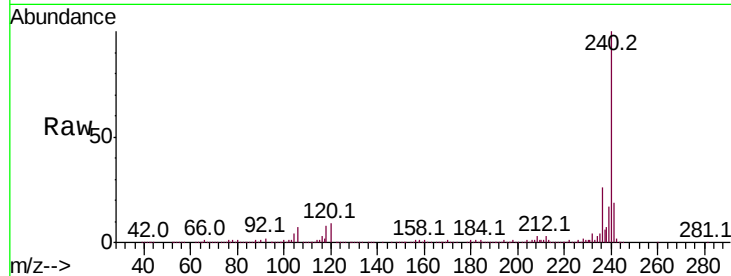
ClientSampleId :

SP-PIT-8

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.4	9.5	14.3#
236	25.8	20.7	31.1

Manual Integrations
APPROVED

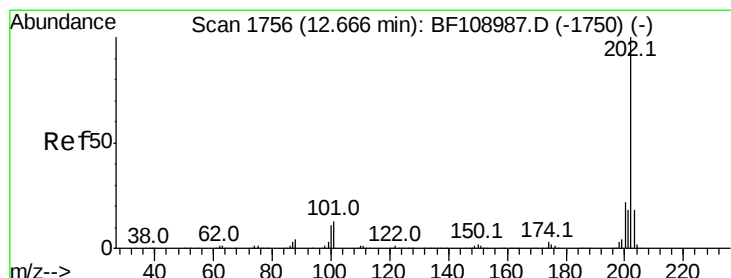
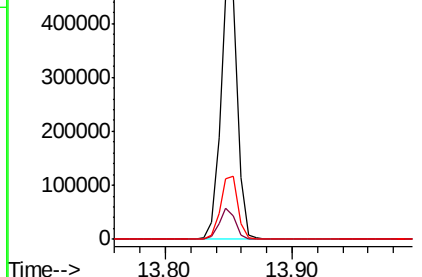
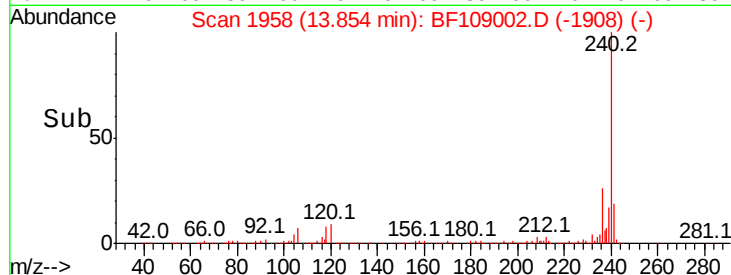
Sohil
9/17/2018 4:21:47 PM



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: 4.160 ng

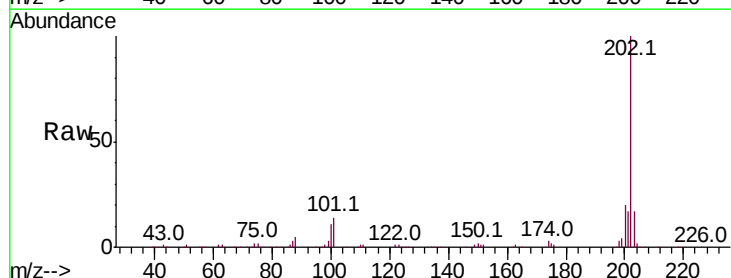
RT: 12.65 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF109002.D

Acq: 14 Sep 2018 18:36

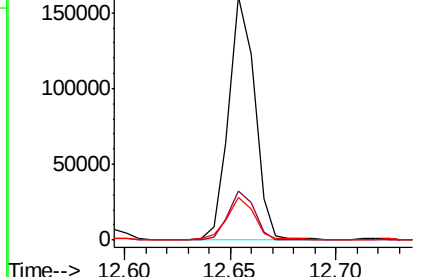
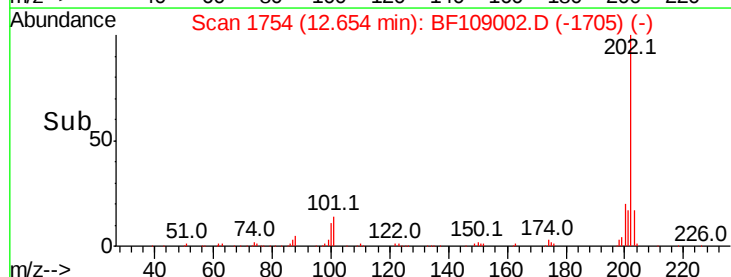
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.4	26.2
203	17.4	14.3	21.5

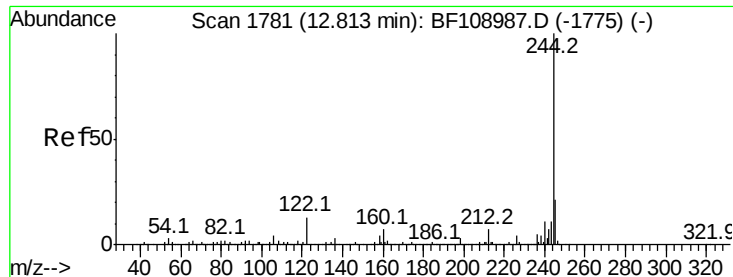


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





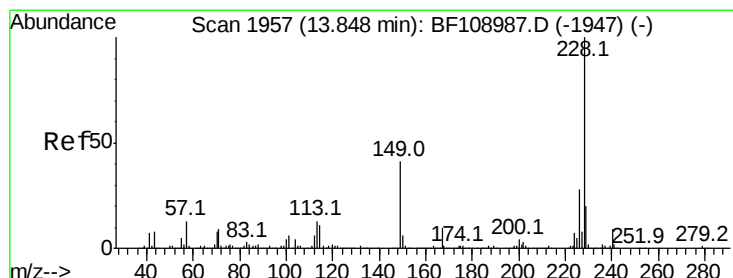
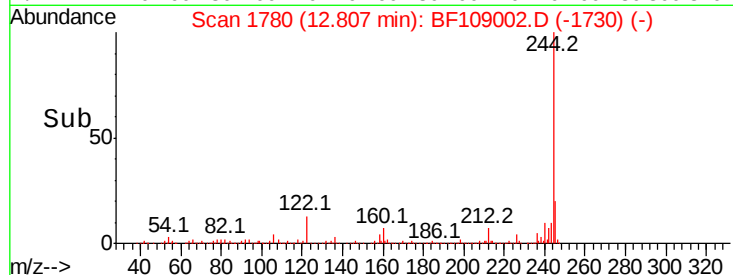
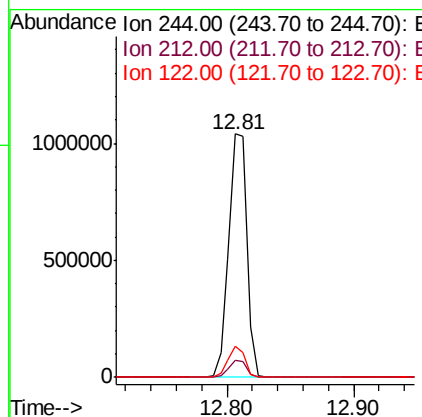
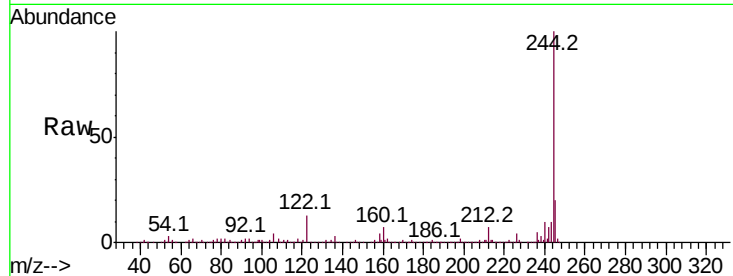
#78
 Terphenyl-d14
 Concen: 55.571 ng
 RT: 12.81 min Scan# 1780
 Delta R.T. -0.01 min
 Lab File: BF109002.D
 Acq: 14 Sep 2018 18:36

Instrument :
 BNA_F
 ClientSampled :
 SP-PIT-8

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.7	11.0	16.4

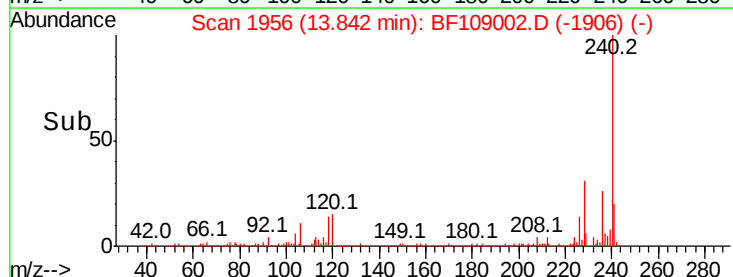
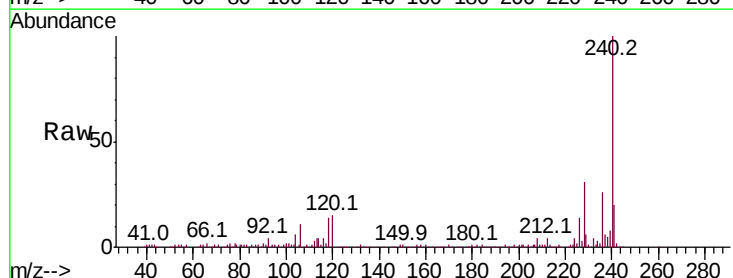
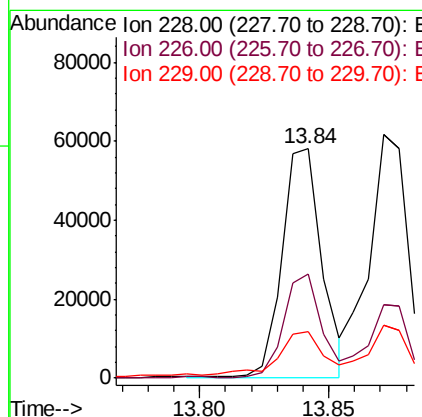
Manual Integrations
 APPROVED

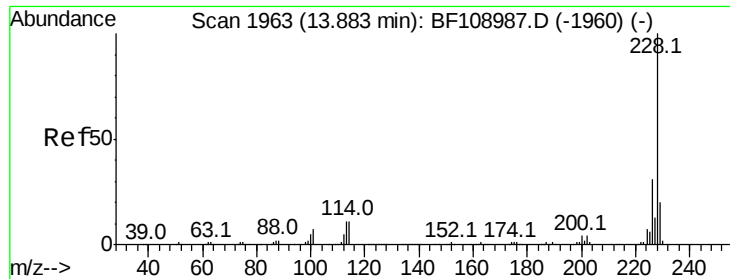
Sohil
 9/17/2018 4:21:47 PM



#80
 Benzo(a)anthracene
 Concen: 2.325 ng m
 RT: 13.84 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BF109002.D
 Acq: 14 Sep 2018 18:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	45.3	22.6	33.8#
229	20.5	15.8	23.6





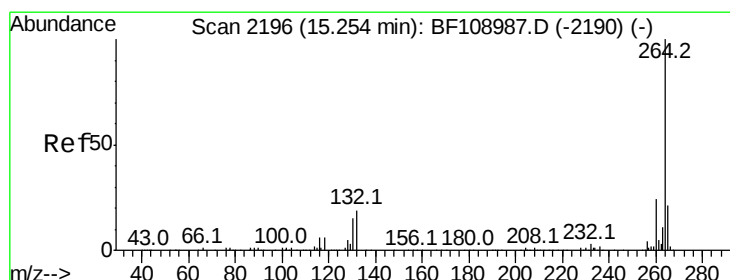
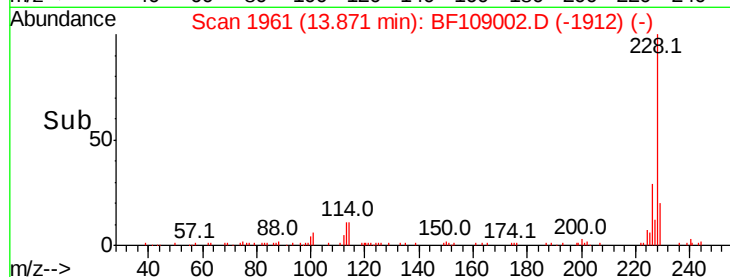
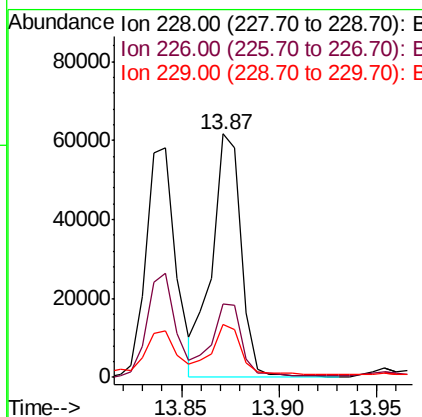
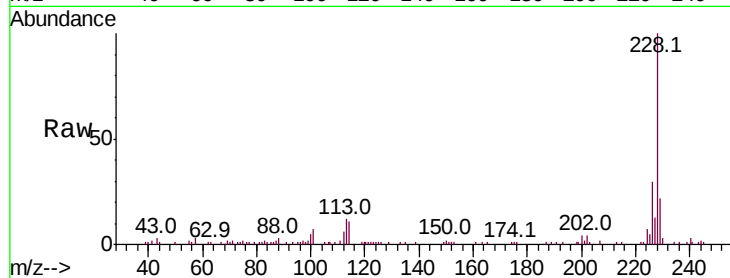
#82
Chrysene
Concen: 2.420 ng
RT: 13.87 min Scan# 1961
Delta R.T. -0.01 min
Lab File: BF109002.D
Acq: 14 Sep 2018 18:36

Instrument :
BNA_F
ClientSampled :
SP-PIT-8

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	21.9	16.2	24.4

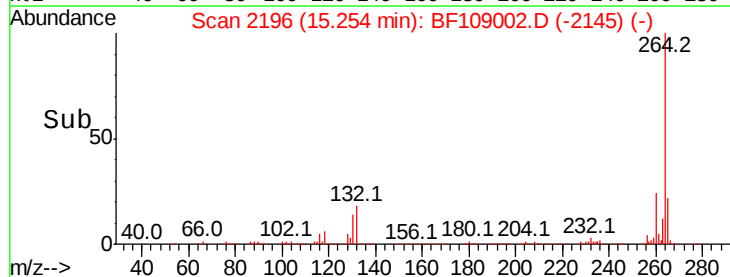
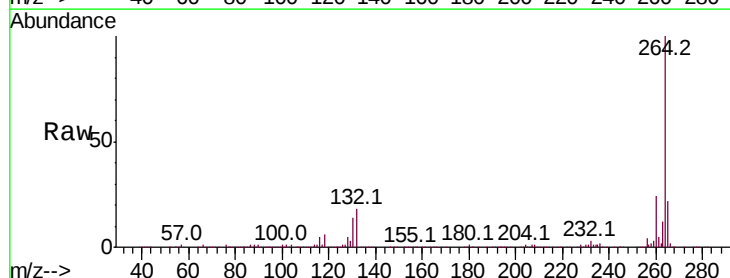
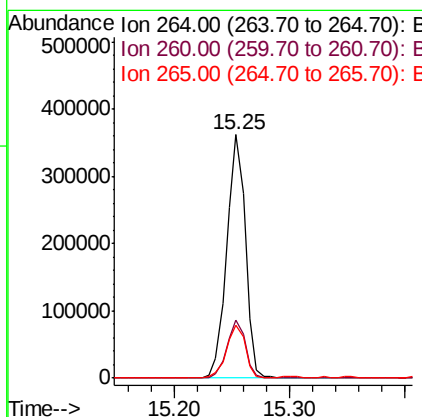
Manual Integrations
APPROVED

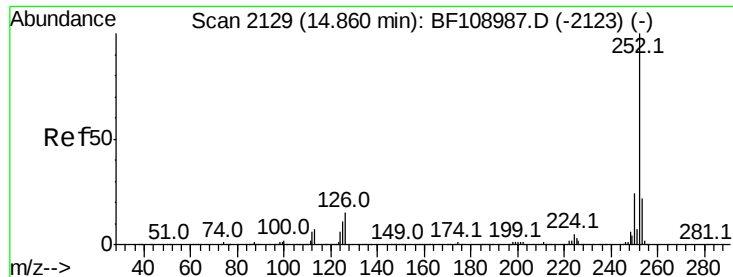
Sohil
9/17/2018 4:21:47 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF109002.D
Acq: 14 Sep 2018 18:36

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





#87

Benzo(b)fluoranthene

Concen: 2.437 ng

RT: 14.85 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF109002.D

Acq: 14 Sep 2018 18:36

Instrument :

BNA_F

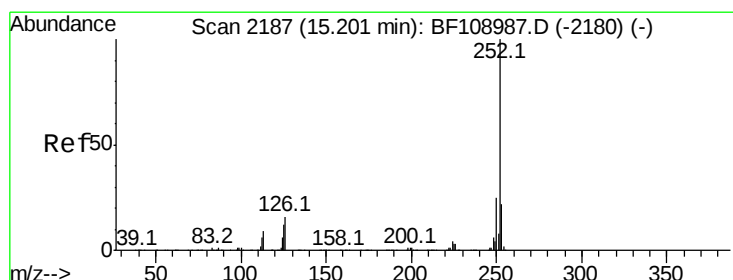
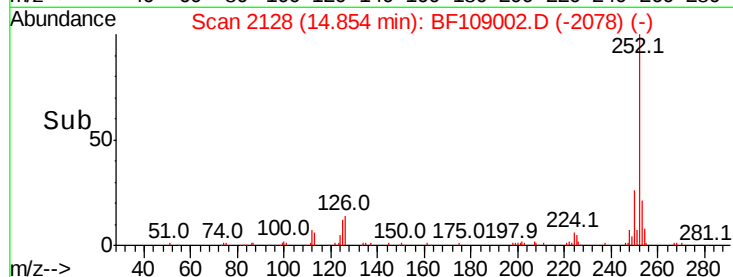
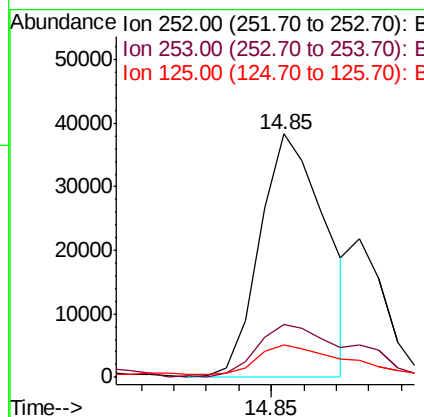
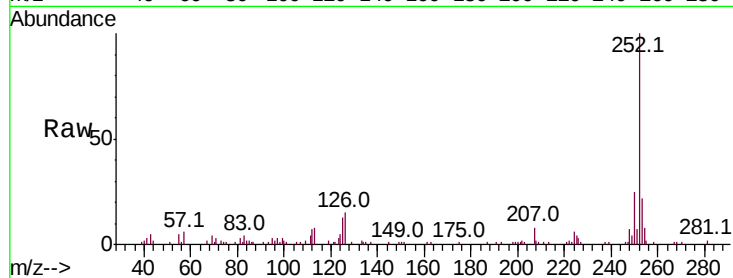
ClientSampleId :

SP-PIT-8

Tot Ion:	252	Resp:	54632
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.0	25.6
125	13.2	9.0	13.6

Manual Integrations
APPROVED

Sohil
9/17/2018 4:21:47 PM



#89

Benzo(a)pyrene

Concen: 2.352 ng

RT: 15.19 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BF109002.D

Acq: 14 Sep 2018 18:36

Tgt Ion:	252	Resp:	46818
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	14.9	9.8	14.6#

