

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104050.D
 Acq On : 29 Mar 2018 14:56
 Operator : JU/SJ
 Sample : J1756-13 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-032718-B

Manual Integrations
 APPROVED

Sohil
 3/30/2018 6:00:47 PM

Quant Time: Mar 30 09:12:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	124229	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	515362	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	215652	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	330192	20.00	ng	0.00
75) Chrysene-d12	14.16	240	241951	20.00	ng	0.00
86) Perylene-d12	15.70	264	202432	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	168075m	21.58	ng	0.00
7) Phenol-d6	6.60	99	209852	21.90	ng	0.00
23) Nitrobenzene-d5	7.53	82	128170	15.21	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	49518	20.62	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	279648	20.45	ng	0.00
78) Terphenyl-d14	13.08	244	188659	18.00	ng	0.00
Target Compounds						
70) Phenanthrene	11.53	178	101824	5.696	ng	Qvalue 97
71) Anthracene	11.58	178	41501	2.223	ng	96
74) Fluoranthene	12.72	202	110735	5.827	ng	95
77) Pyrene	12.95	202	105389	6.059	ng	99
80) Benzo(a)anthracene	14.14	228	50310	3.323	ng	96
82) Chrysene	14.18	228	39070	2.635	ng	99
87) Benzo(b)fluoranthene	15.24	252	44408m	3.605	ng	
89) Benzo(a)pyrene	15.64	252	32755	2.869	ng	# 82

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

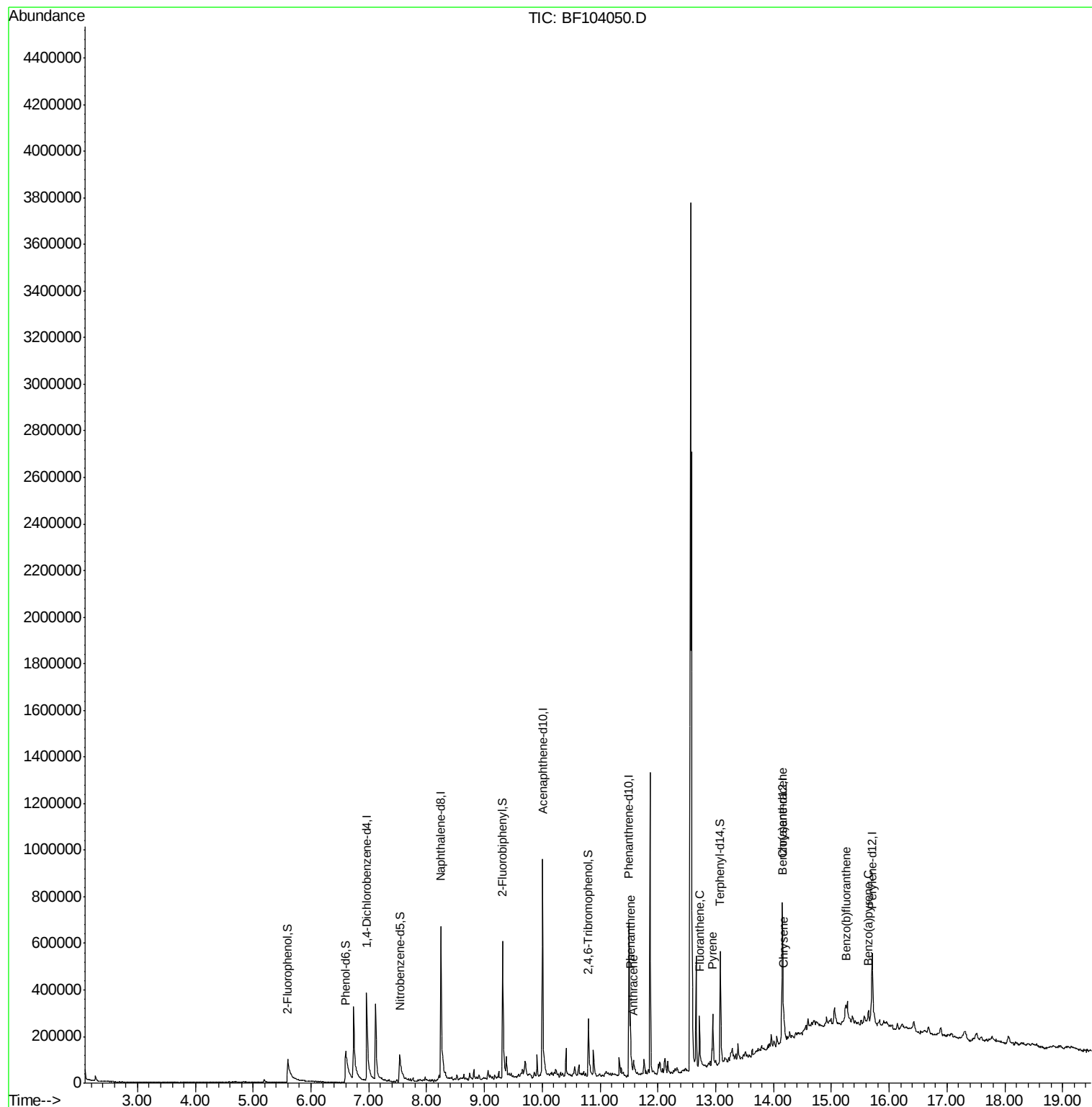
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104050.D
Acq On : 29 Mar 2018 14:56
Operator : JU/SJ
Sample : J1756-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-01-032718-B

Manual Integrations
APPROVED

Sohil
3/30/2018 6:00:47 PM

Quant Time: Mar 30 09:12:55 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 28 13:41:47 2018
Response via : Initial Calibration





#1

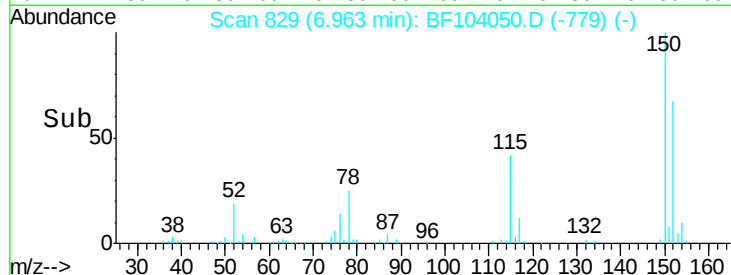
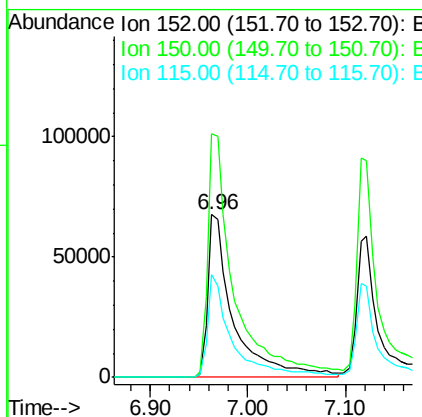
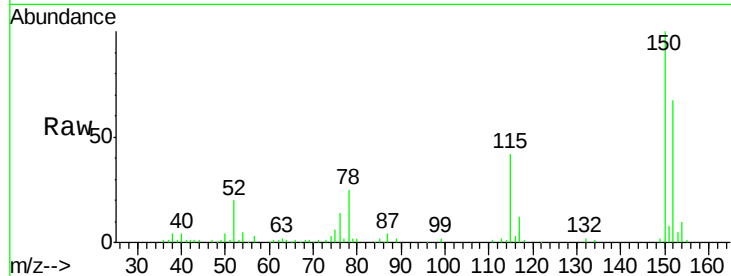
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF104050.D
 Acq: 29 Mar 2018 14:56

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-032718-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.9	124.6	186.8
115	63.2	50.1	75.1

Manual Integrations
 APPROVED

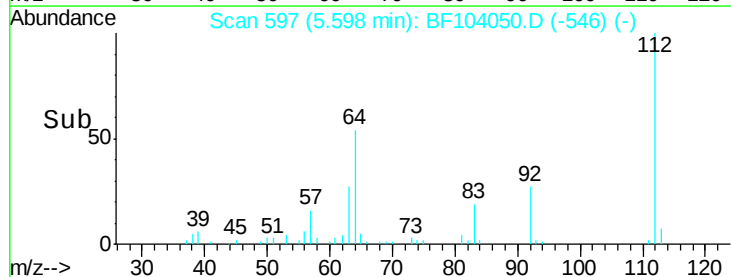
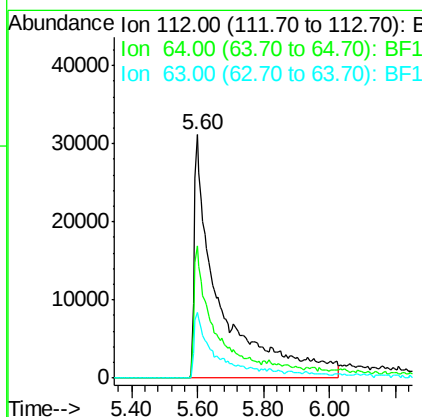
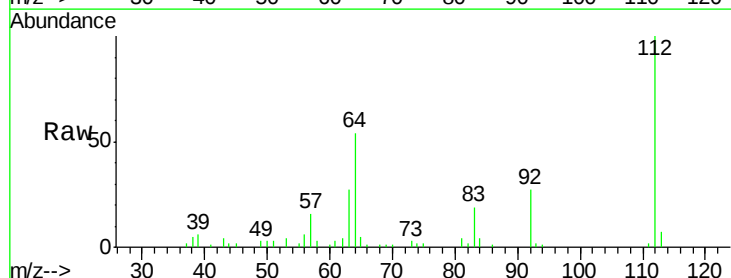
Sohil
 3/30/2018 6:00:47 PM

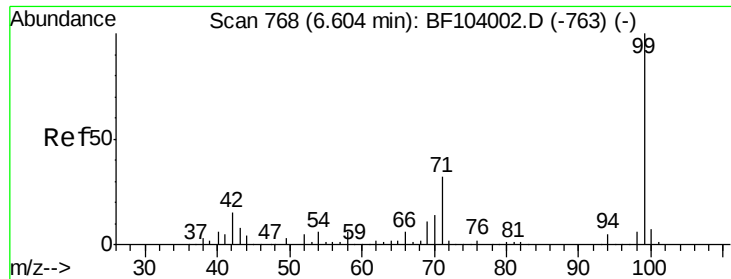


#5

2-Fluorophenol
 Concen: 21.576 ng m
 RT: 5.60 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: BF104050.D
 Acq: 29 Mar 2018 14:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.9	71.9
63	27.0	23.7	35.5





#7

Phenol-d6

Concen: 21.896 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104050.D

Acq: 29 Mar 2018 14:56

Instrument :

BNA_F

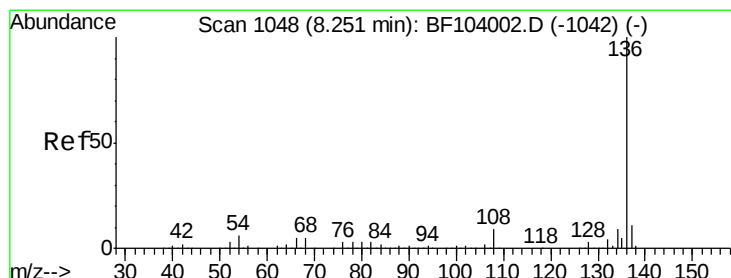
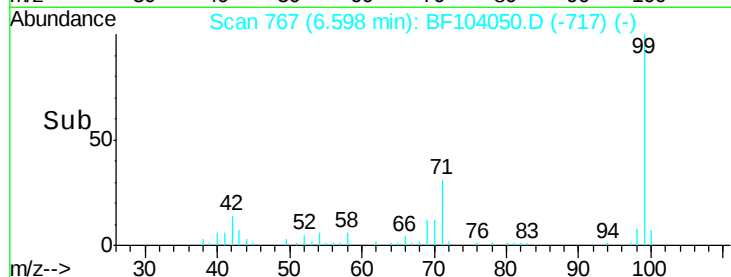
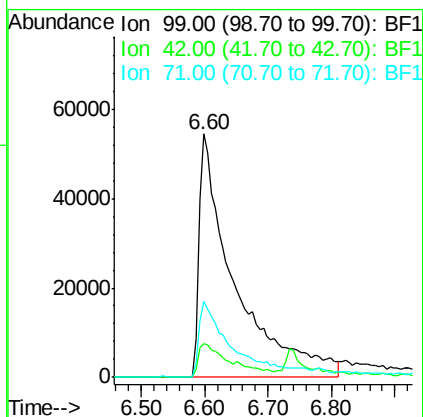
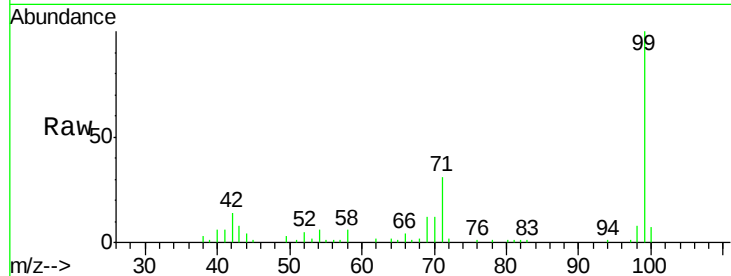
ClientSampleId :

OR-01-032718-B

Tot Ion:	99	Resp:	209852
Ion Ratio	Lower	Upper	
99	100		
42	13.7	14.5	21.7#
71	31.1	25.4	38.0

Manual Integrations
APPROVED

Sohil
3/30/2018 6:00:47 PM



#21

Naphthalene-d8

Concen: 20.000 ng

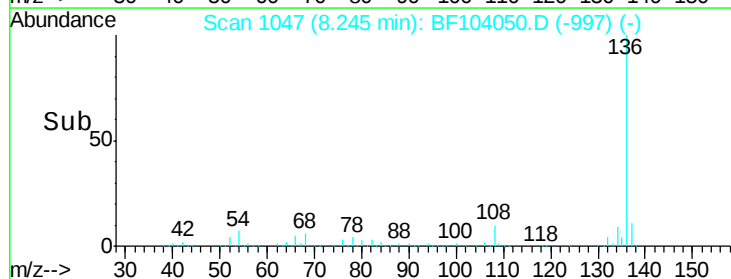
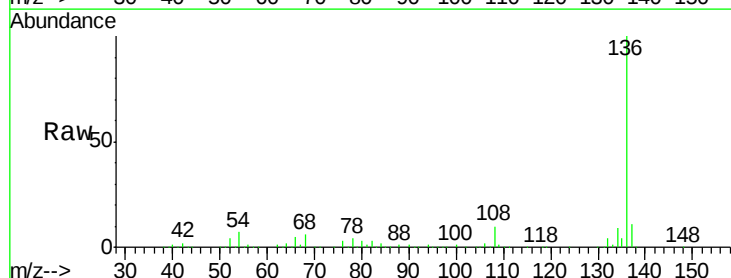
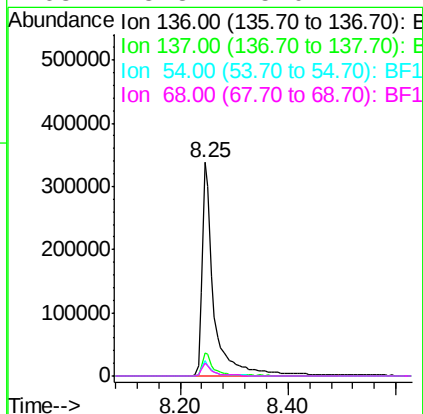
RT: 8.25 min Scan# 1047

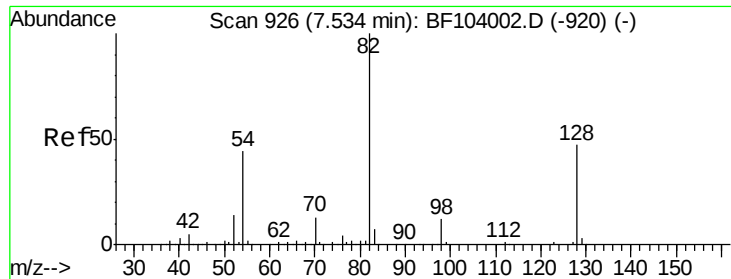
Delta R.T. -0.01 min

Lab File: BF104050.D

Acq: 29 Mar 2018 14:56

Tgt Ion:	136	Resp:	515362
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.1	6.6	9.8
68	5.8	5.0	7.4





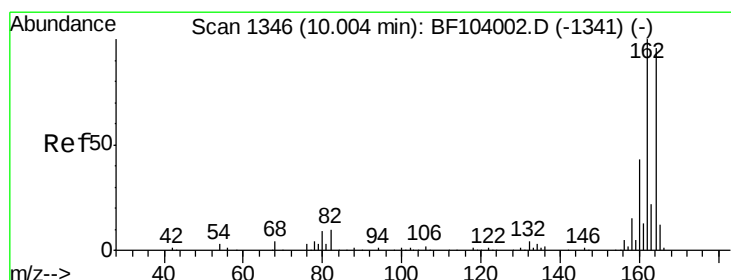
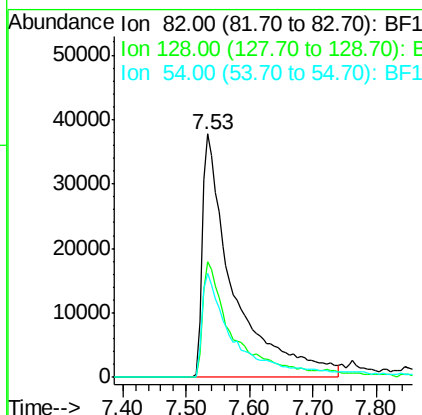
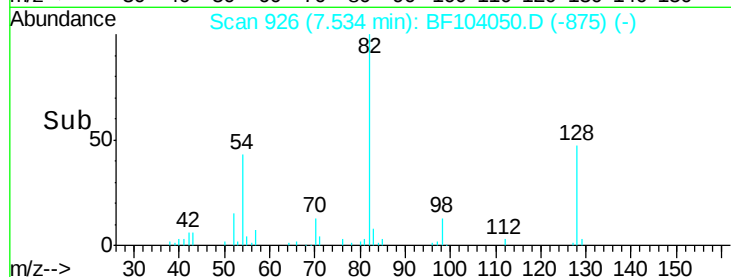
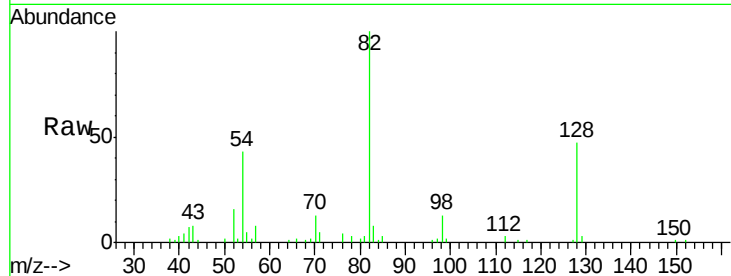
#23
 Nitrobenzene-d5
 Concen: 15.209 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BF104050.D
 Acq: 29 Mar 2018 14:56

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-032718-B

Tot Ion	82	Resp	128	170
Ion Ratio	100			
Lower		36.1		
Upper		54.1		
82	47.4			
128	42.7			
54		41.4		
		62.2		

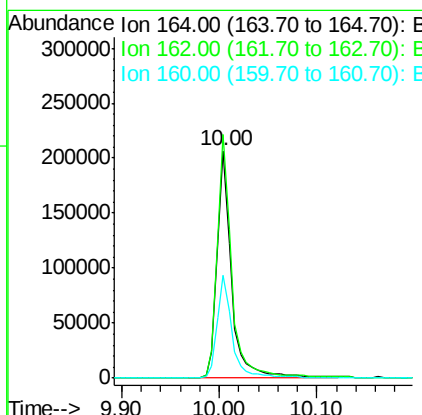
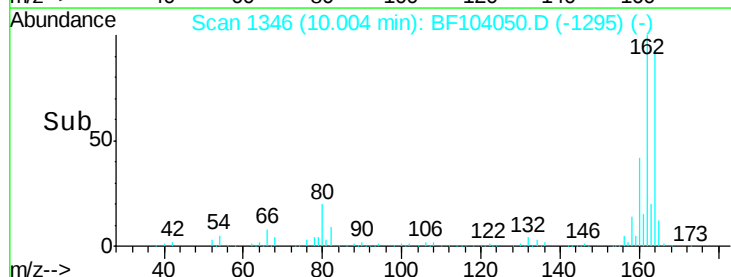
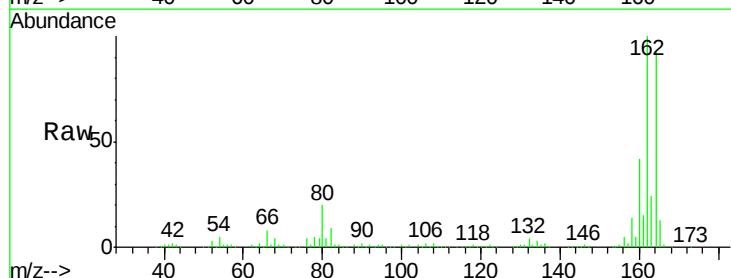
Manual Integrations
 APPROVED

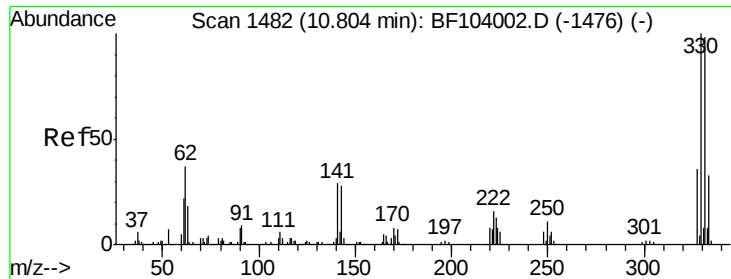
Sohil
 3/30/2018 6:00:47 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: BF104050.D
 Acq: 29 Mar 2018 14:56

Tgt Ion	164	Resp	215	652
Ion Ratio <td>100</td> <td></td> <td></td> <td></td>	100			
Lower		86.1		
Upper		129.1		
164	107.1			
162	45.1			
160		38.3		
		57.5		





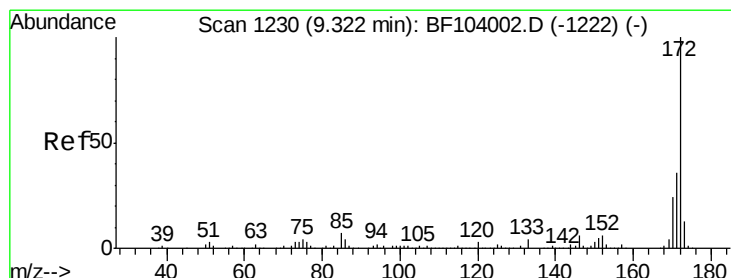
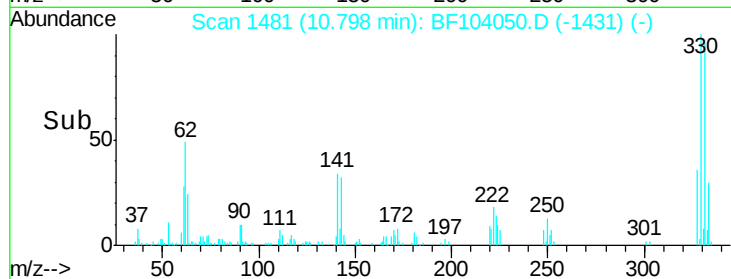
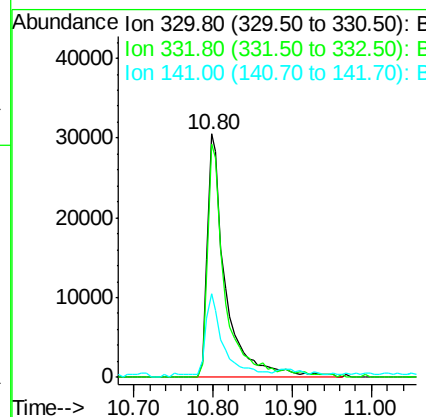
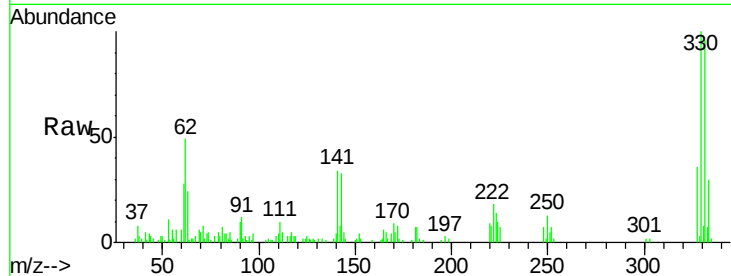
#41
 2,4,6-Tribromophenol
 Concen: 20.621 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104050.D
 Acq: 29 Mar 2018 14:56

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-032718-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.3	77.0	115.6
141	31.1	29.9	44.9

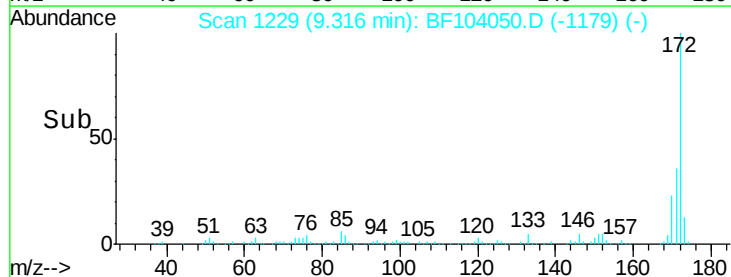
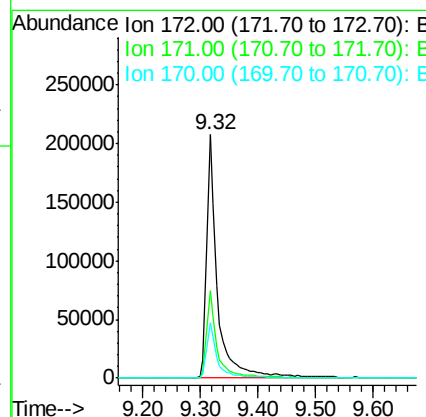
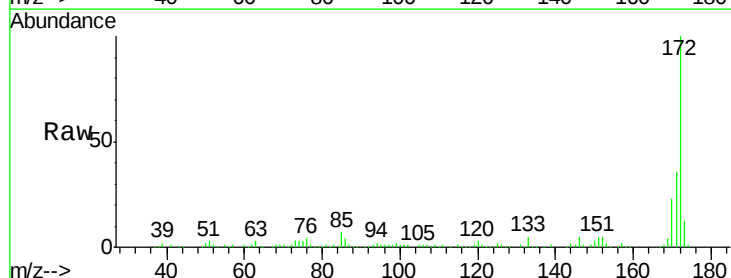
Manual Integrations
 APPROVED

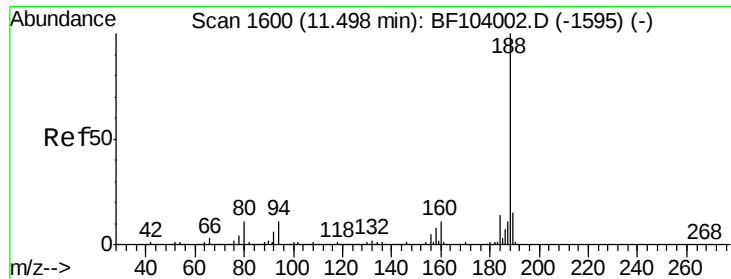
Sohil
 3/30/2018 6:00:47 PM



#44
 2-Fluorobiphenyl
 Concen: 20.449 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104050.D
 Acq: 29 Mar 2018 14:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	22.7	19.6	29.4





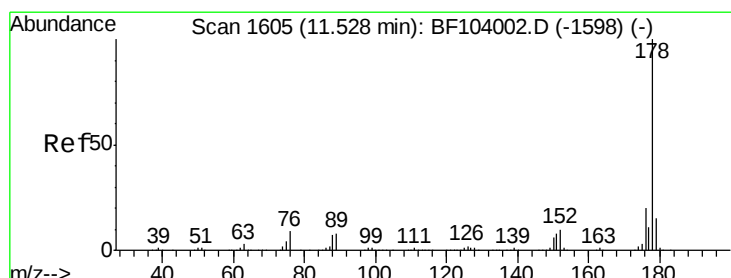
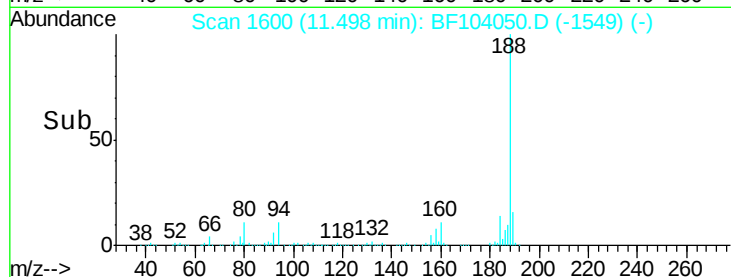
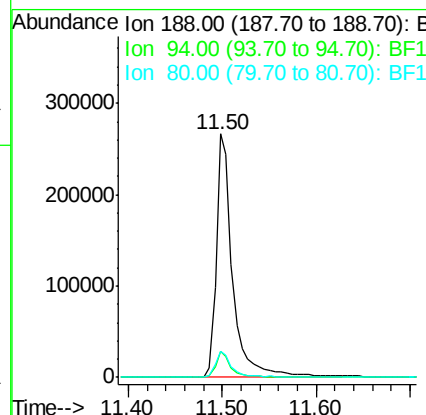
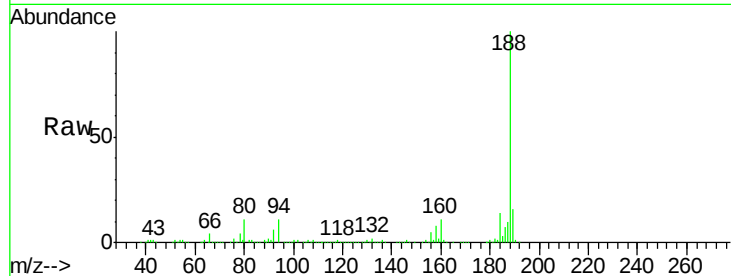
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104050.D
Acq: 29 Mar 2018 14:56

Instrument :
BNA_F
ClientSampleId :
OR-01-032718-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	330192		
94	10.6		8.5	12.7
80	10.9		9.2	13.8

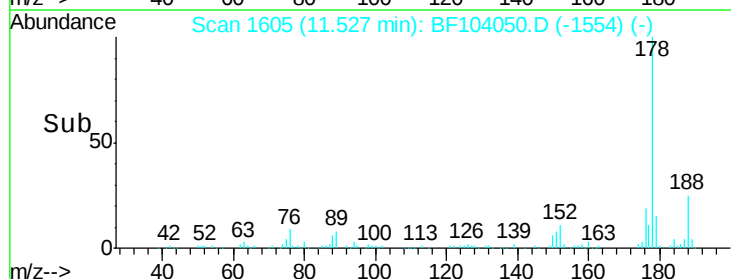
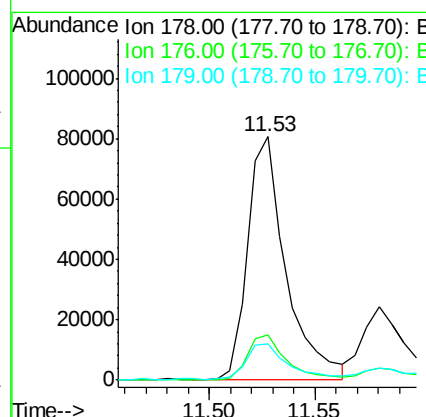
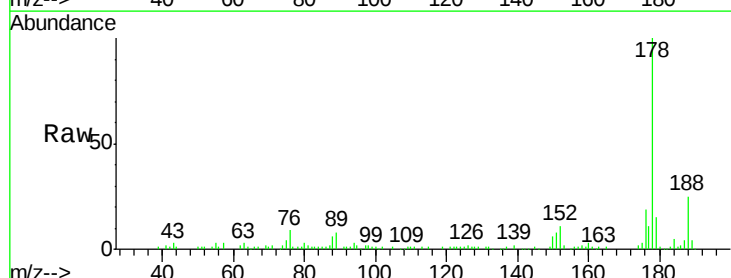
Manual Integrations
APPROVED

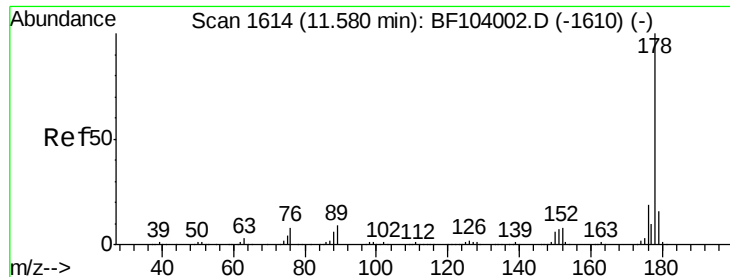
Sohil
3/30/2018 6:00:47 PM



#70
Phenanthrene
Concen: 5.696 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104050.D
Acq: 29 Mar 2018 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	101824		
176	18.8		15.8	23.8
179	14.8		13.0	19.6





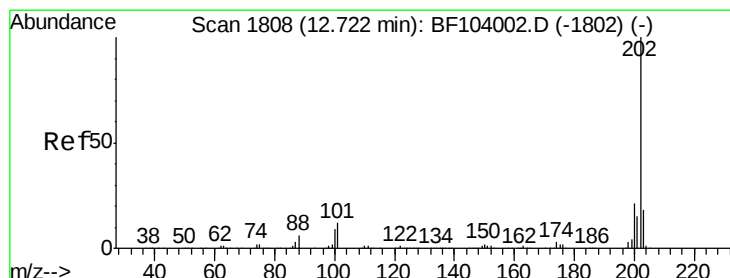
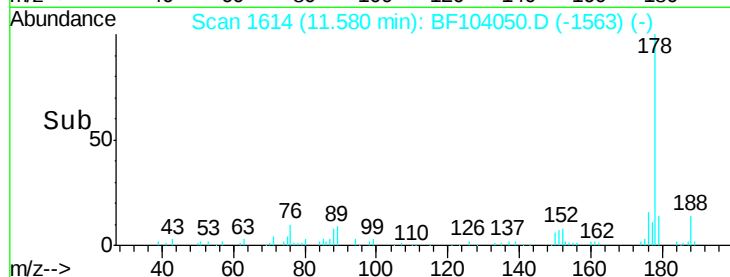
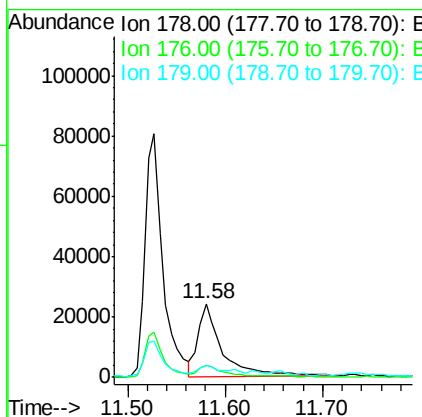
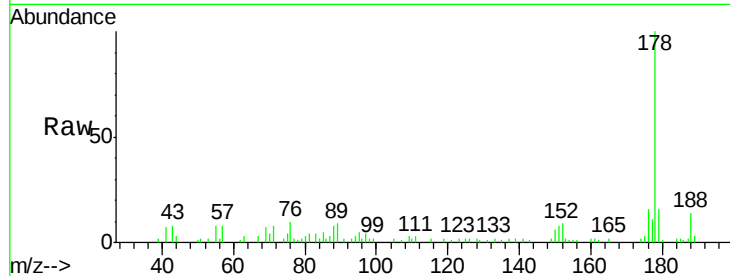
#71
 Anthracene
 Concen: 2.223 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.00 min
 Lab File: BF104050.D
 Acq: 29 Mar 2018 14:56

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-032718-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.1	15.4	23.2
179	15.7	12.6	19.0

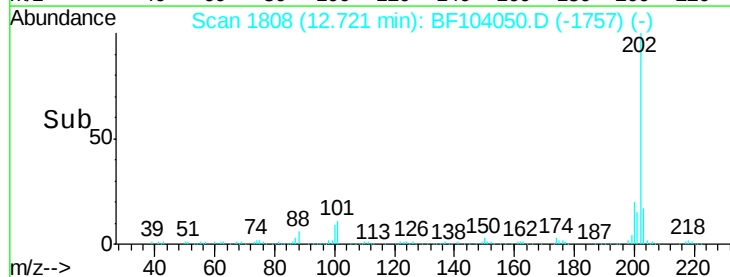
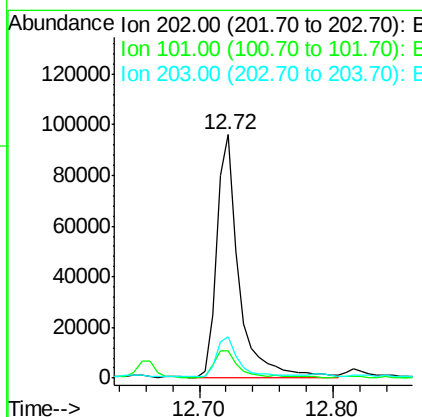
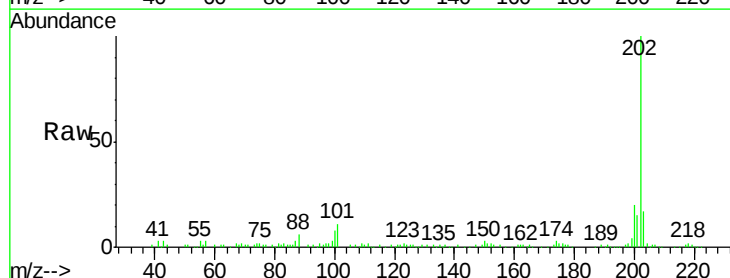
Manual Integrations
 APPROVED

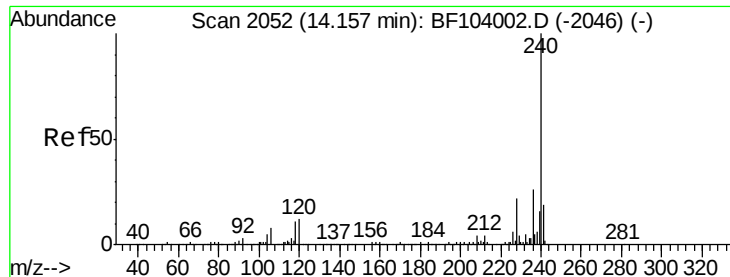
Sohil
 3/30/2018 6:00:47 PM



#74
 Fluoranthene
 Concen: 5.827 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: BF104050.D
 Acq: 29 Mar 2018 14:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.1
203	17.2	0.0	38.1





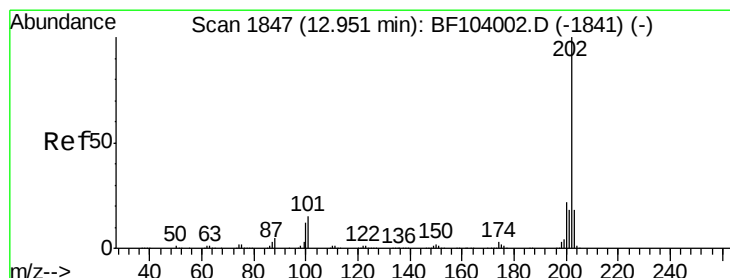
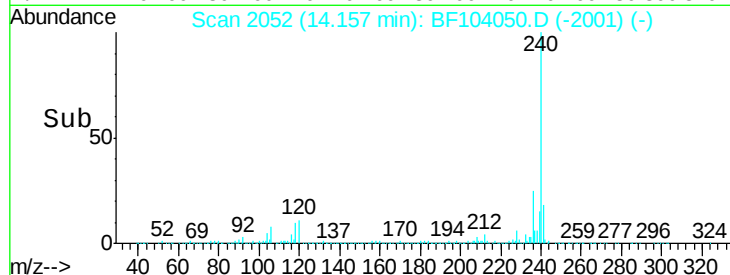
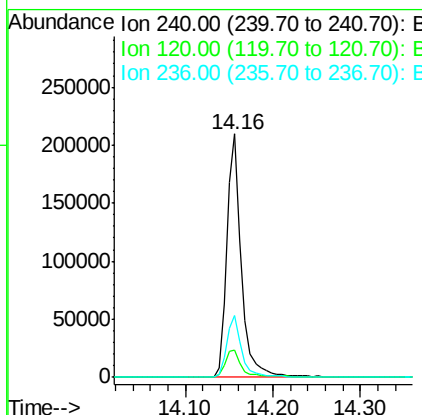
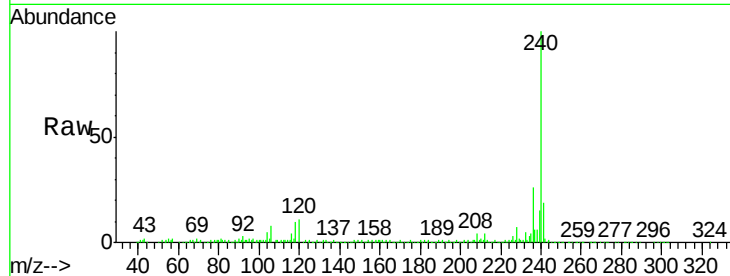
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BF104050.D
Acq: 29 Mar 2018 14:56

Instrument :
BNA_F
ClientSampleId :
OR-01-032718-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.5	14.3
236	25.5	20.7	31.1

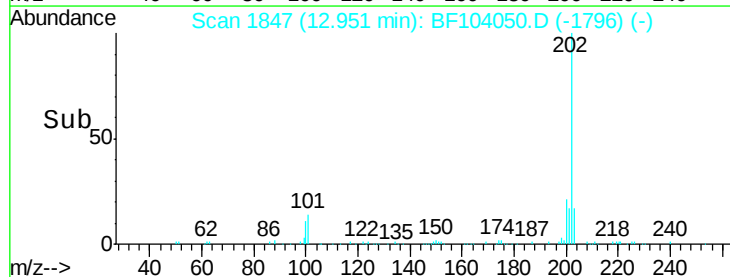
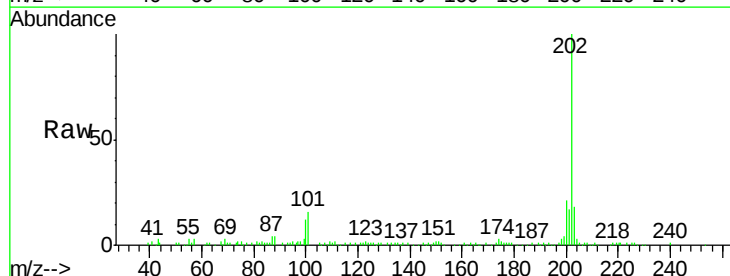
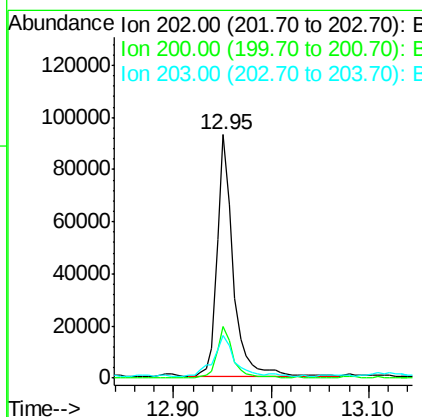
Manual Integrations
APPROVED

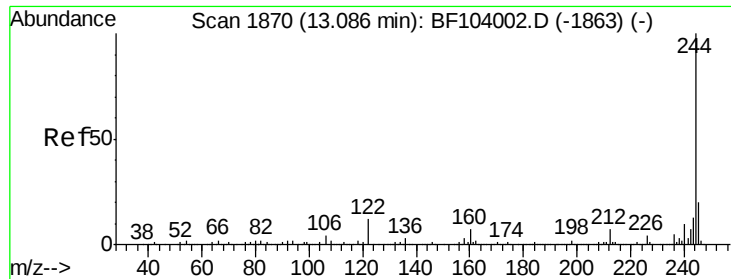
Sohil
3/30/2018 6:00:47 PM



#77
Pyrene
Concen: 6.059 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BF104050.D
Acq: 29 Mar 2018 14:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.7	14.3	21.5





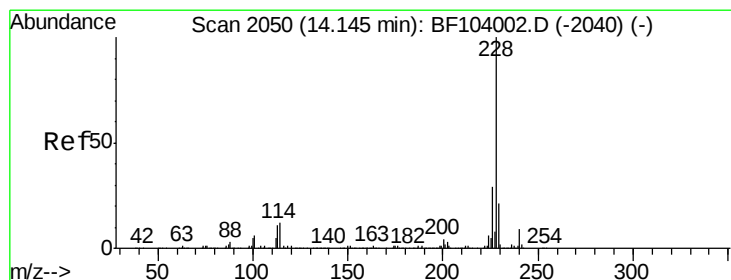
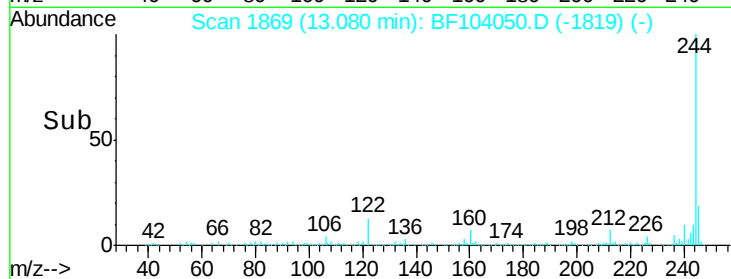
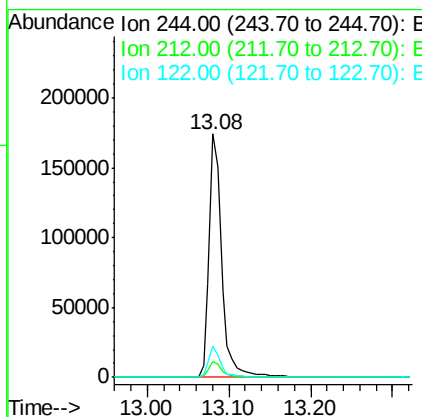
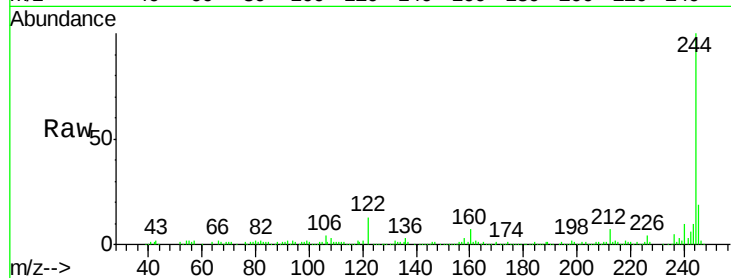
#78
 Terphenyl-d14
 Concen: 18.004 ng
 RT: 13.08 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: BF104050.D
 Acq: 29 Mar 2018 14:56

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-032718-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.9	11.0	16.4

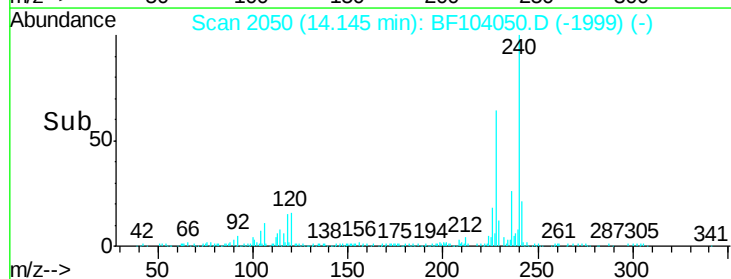
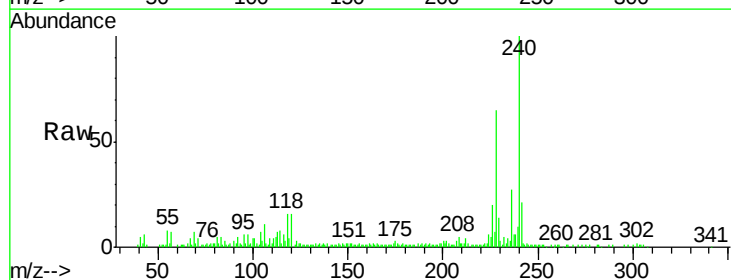
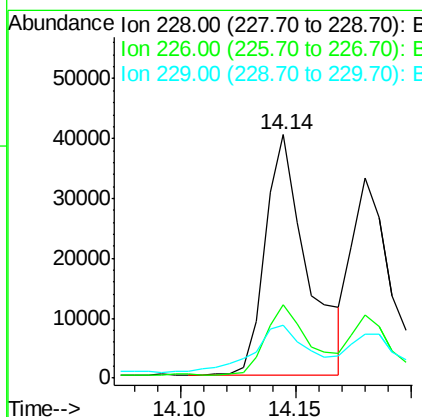
Manual Integrations
 APPROVED

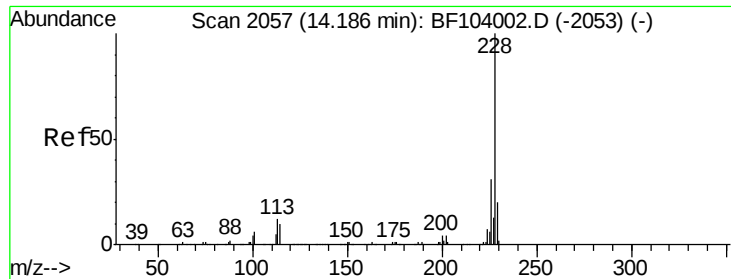
Sohil
 3/30/2018 6:00:47 PM



#80
 Benzo(a)anthracene
 Concen: 3.323 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.00 min
 Lab File: BF104050.D
 Acq: 29 Mar 2018 14:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	21.8	15.8	23.6





#82

Chrysene

Concen: 2.635 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF104050.D

Acq: 29 Mar 2018 14:56

Instrument :

BNA_F

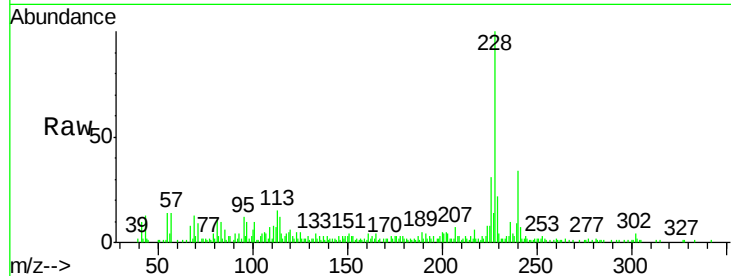
ClientSampleId :

OR-01-032718-B

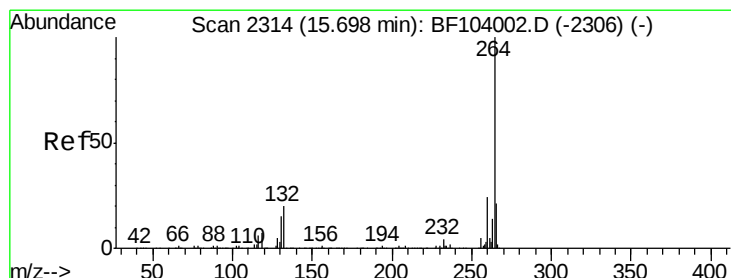
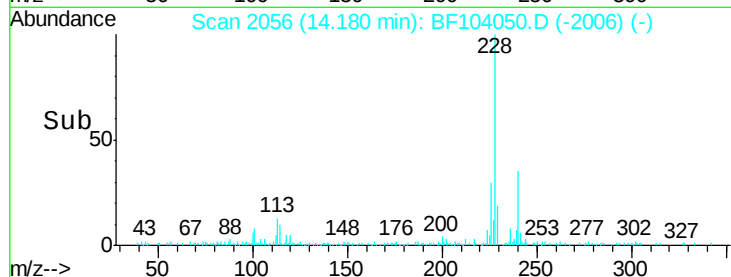
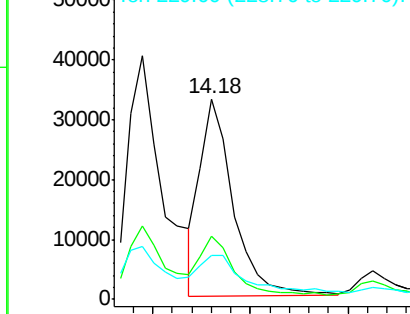
Tot Ion:	228	Resp:	39070
Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	21.9	16.2	24.4

Manual Integrations
APPROVED

Sohil
3/30/2018 6:00:47 PM



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



#86

Perylene-d12

Concen: 20.000 ng

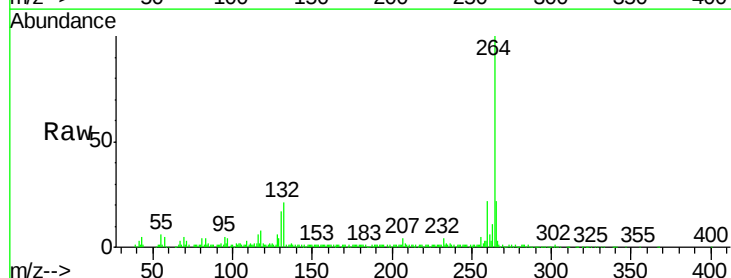
RT: 15.70 min Scan# 2315

Delta R.T. 0.01 min

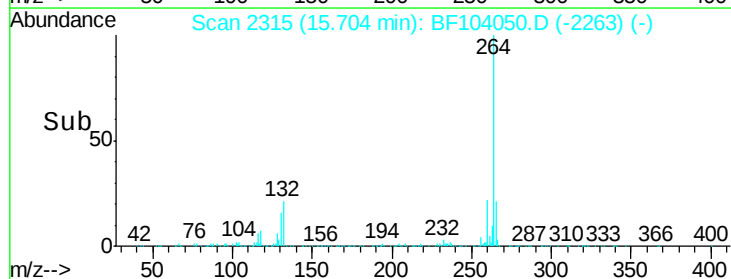
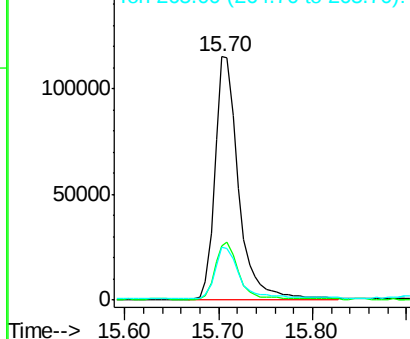
Lab File: BF104050.D

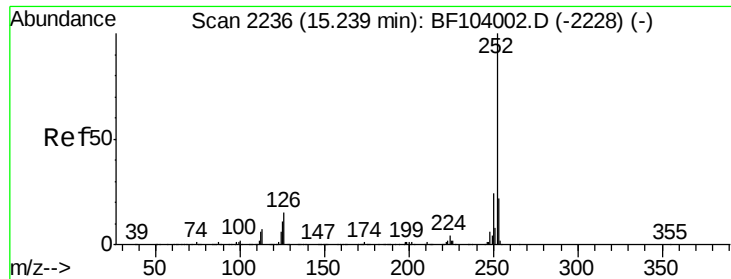
Acq: 29 Mar 2018 14:56

Tgt Ion:	264	Resp:	202432
Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	21.7	17.5	26.3



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





#87

Benzo(b)fluoranthene

Concen: 3.605 ng/mL

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF104050.D

Acq: 29 Mar 2018 14:56

Instrument :

BNA_F

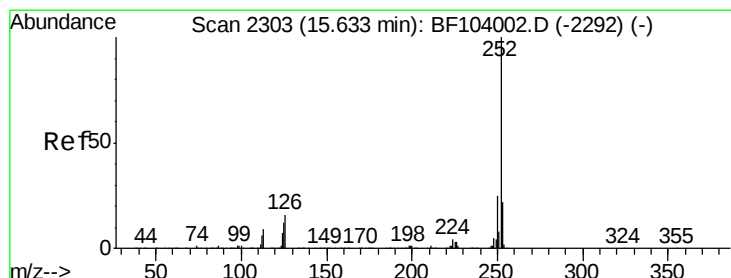
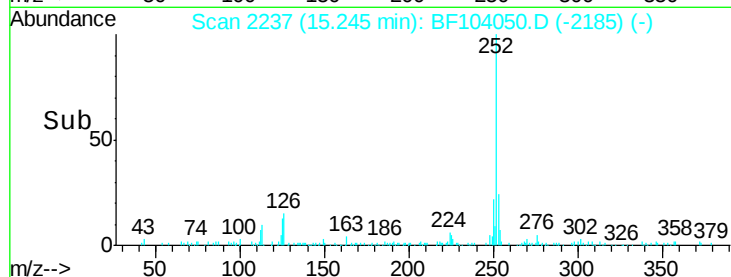
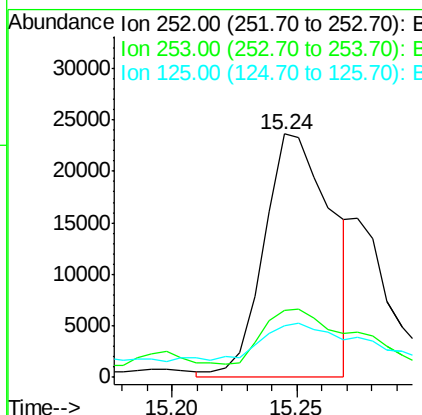
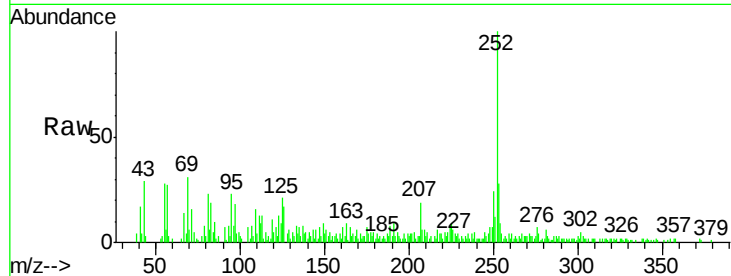
ClientSampleId :

OR-01-032718-B

Tot Ion:	252	Resp:	44408
Ion Ratio	Lower	Upper	
252	100		
253	27.7	17.0	25.6#
125	21.2	9.0	13.6#

Manual Integrations
APPROVED

Sohil
3/30/2018 6:00:47 PM



#89

Benzo(a)pyrene

Concen: 2.869 ng/mL

RT: 15.64 min Scan# 2304

Delta R.T. 0.01 min

Lab File: BF104050.D

Acq: 29 Mar 2018 14:56

Tgt Ion:	252	Resp:	32755
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.1	25.7#
125	24.9	9.8	14.6#

