

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
 Data File : BF105050.D
 Acq On : 3 May 2018 00:43
 Operator : JU/SJ
 Sample : J2652-12DL 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AMENDED-COMPOSITE-P5-WCDL

Manual Integrations
 APPROVED

Sohil
 5/3/2018 5:00:58 PM

Quant Time: May 03 14:15:10 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	84528	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	340931	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	148236	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	245606	20.00	ng	0.00
75) Chrysene-d12	14.01	240	206214	20.00	ng	-0.02
86) Perylene-d12	15.56	264	162856	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1733	0.31	ng	0.04
7) Phenol-d6	6.45	99	26158	3.85	ng	0.00
23) Nitrobenzene-d5	7.36	82	35949	6.89	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	272	0.18	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	63454	6.76	ng	0.00
78) Terphenyl-d14	12.91	244	54411	6.02	ng	0.00
Target Compounds						
70) Phenanthrene	11.35	178	85063	6.219	ng	Qvalue 96
74) Fluoranthene	12.54	202	79388	5.555	ng	97
77) Pyrene	12.77	202	71797	4.697	ng	99
80) Benzo(a)anthracene	14.00	228	31318	2.542	ng	95
82) Chrysene	14.04	228	32319	2.554	ng	99
83) Bis(2-ethylhexyl)phthalate	13.97	149	166367	17.961	ng	# 99
87) Benzo(b)fluoranthene	15.13	252	27038m	2.629	ng	
89) Benzo(a)pyrene	15.50	252	18485	2.009	ng	# 92

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

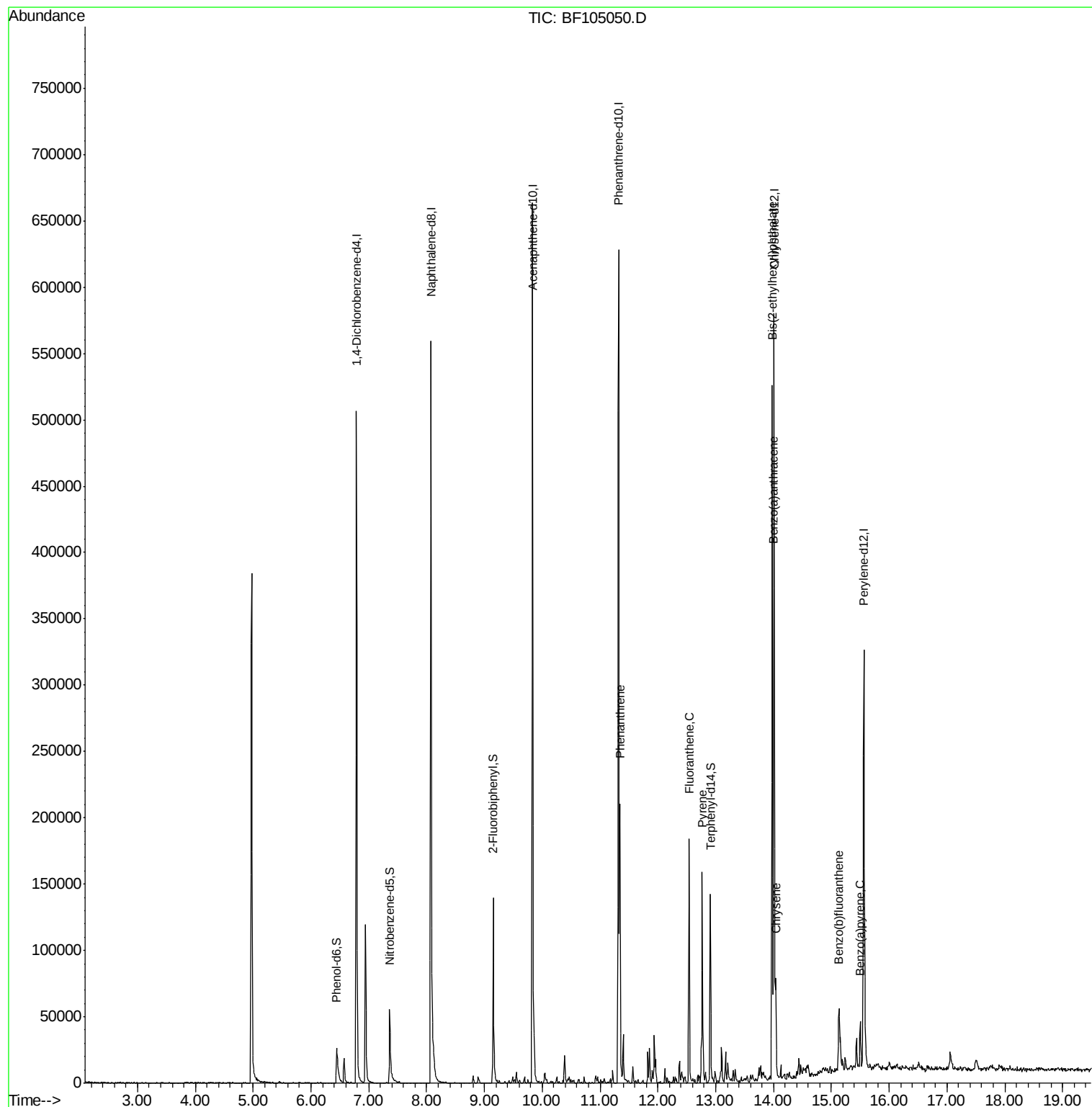
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105050.D
Acq On : 3 May 2018 00:43
Operator : JU/SJ
Sample : J2652-12DL 10X
Misc :
ALS Vial : 30 Sample Multiplier: 1

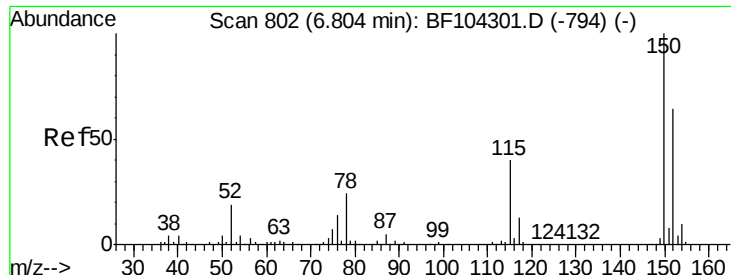
Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-P5-WCDL

Manual Integrations
APPROVED

Sohil
5/3/2018 5:00:58 PM

Quant Time: May 03 14:15:10 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 02 17:25:18 2018
Response via : Initial Calibration





#1

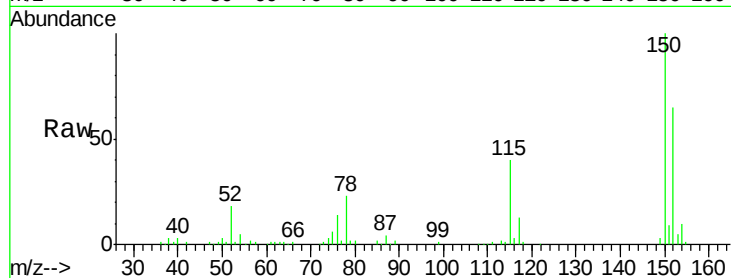
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-P5-WCDL

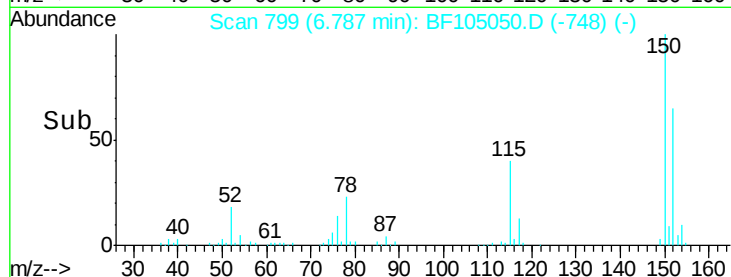
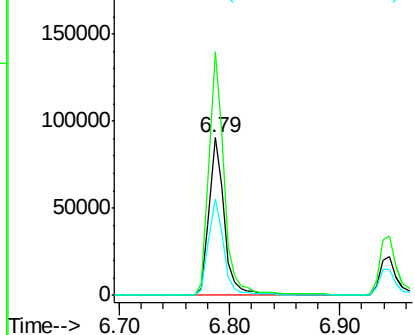
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	61.4	50.1	75.1

Manual Integrations
APPROVED

Sohil
5/3/2018 5:00:58 PM



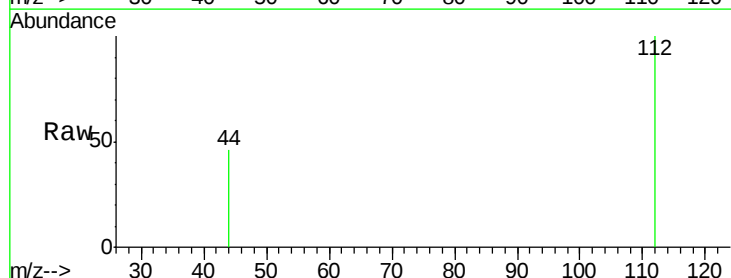
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



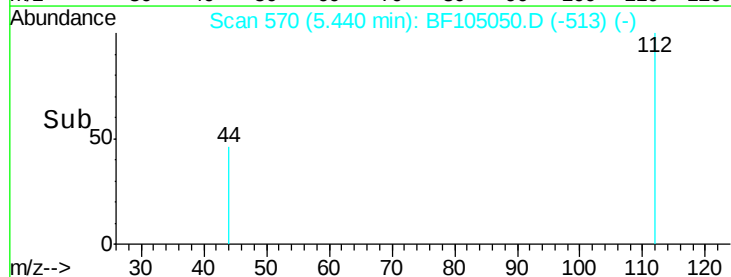
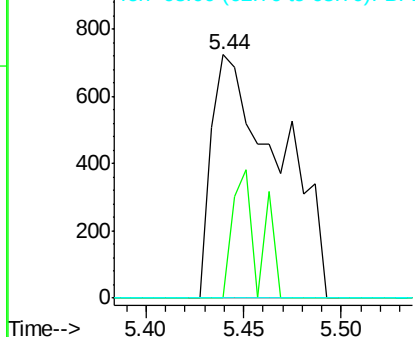
#5

2-Fluorophenol
Concen: 0.313 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.04 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	47.9	71.9#
63	0.0	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: 3.851 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF105050.D

Acq: 3 May 2018 00:43

Instrument :

BNA_F

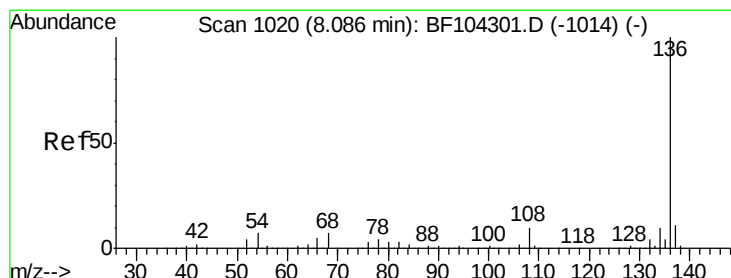
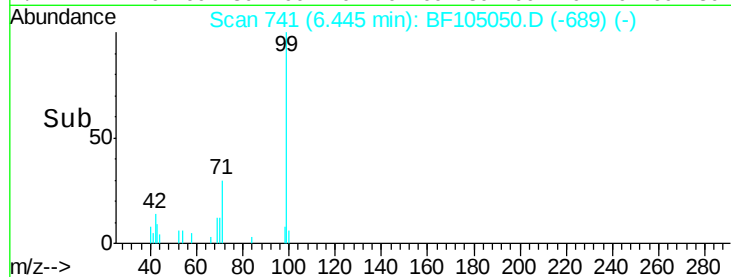
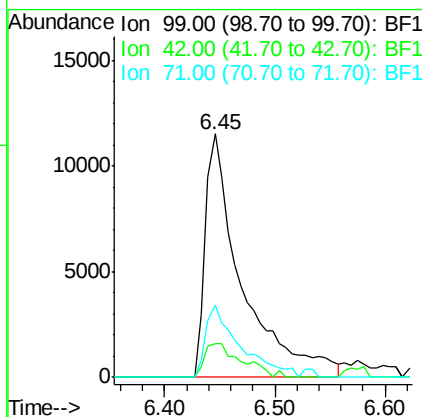
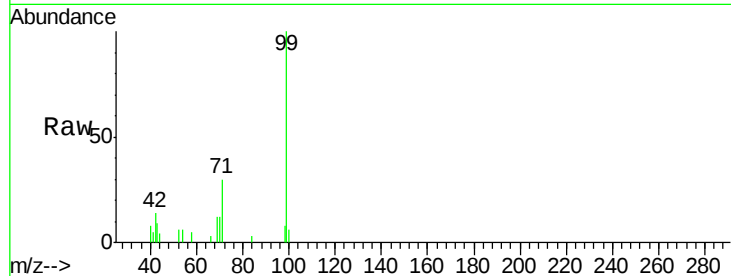
ClientSampleId :

AMENDED-COMPOSITE-P5-WCDL

Tot Ion:	99	Resp:	26158
Ion Ratio	Lower	Upper	
99	100		
42	14.0	14.5	21.7#
71	29.9	25.4	38.0

Manual Integrations
APPROVED

Sohil
5/3/2018 5:00:58 PM



#21

Naphthalene-d8

Concen: 20.000 ng

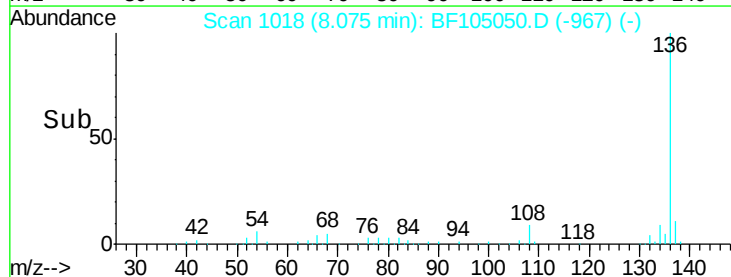
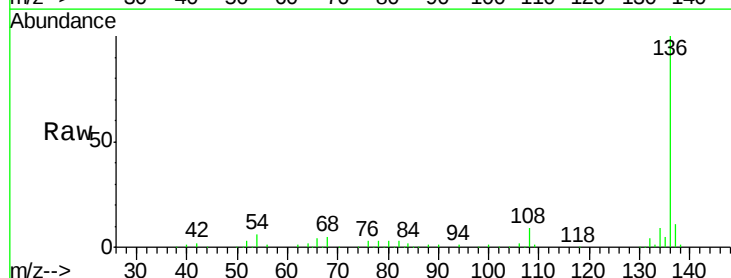
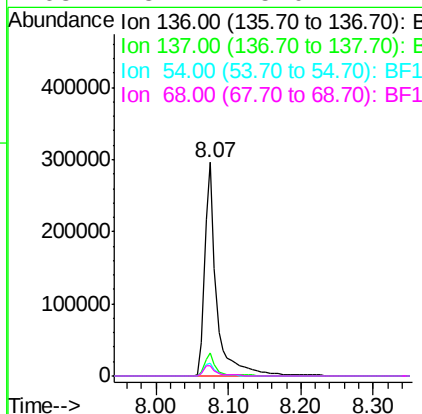
RT: 8.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BF105050.D

Acq: 3 May 2018 00:43

Tgt Ion:	136	Resp:	340931
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	5.8	6.6	9.8#
68	5.1	5.0	7.4





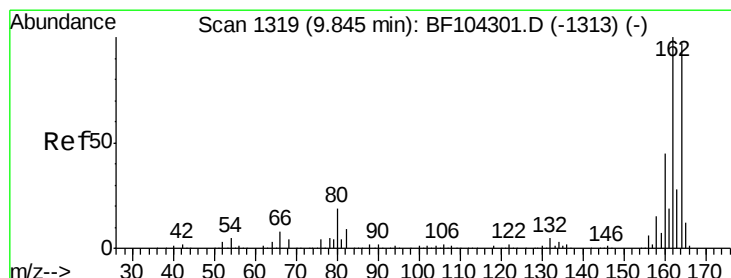
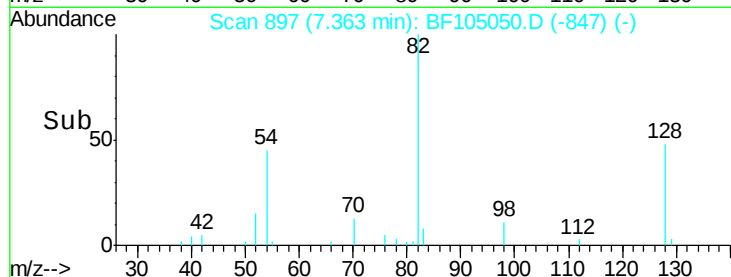
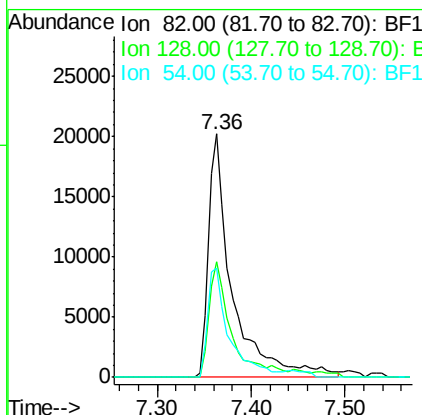
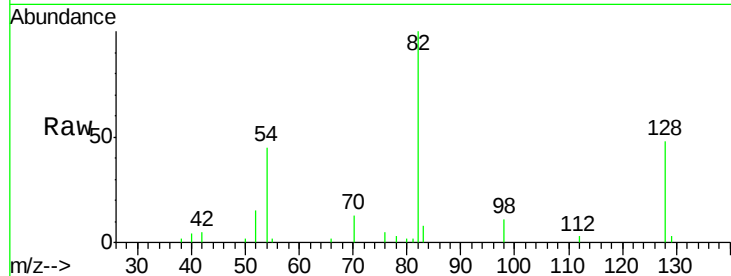
#23
Nitrobenzene-d5
Concen: 6.885 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-P5-WCDL

Tot Ion	82	Resp	35949
Ion Ratio	100	Lower	Upper
128	47.6	36.1	54.1
54	44.8	41.4	62.2

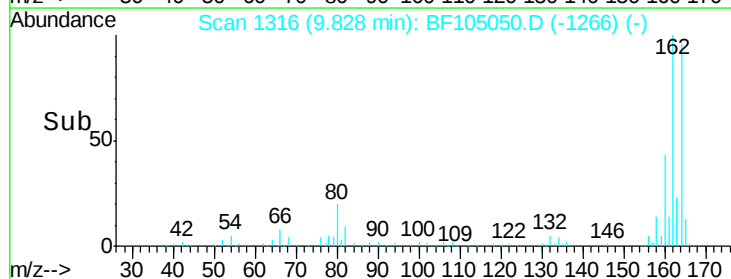
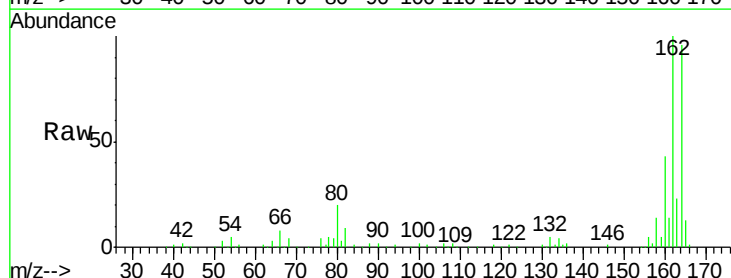
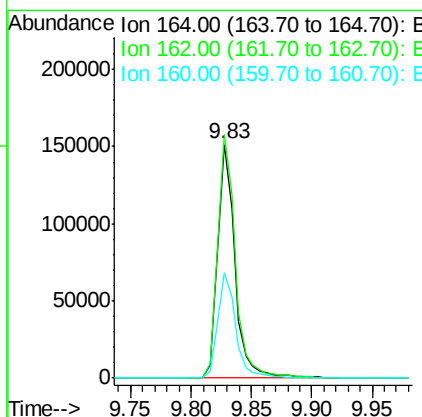
Manual Integrations
APPROVED

Sohil
5/3/2018 5:00:58 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Tgt Ion	164	Resp	148236
Ion Ratio	100	Lower	Upper
162	104.3	86.1	129.1
160	45.0	38.3	57.5





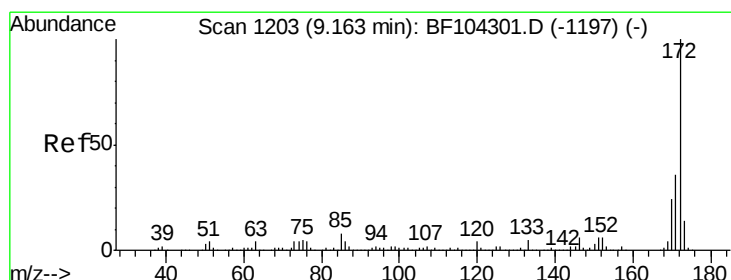
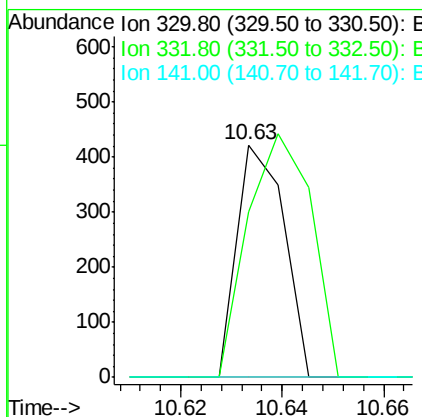
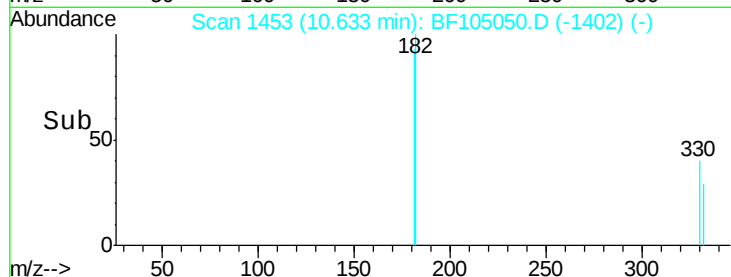
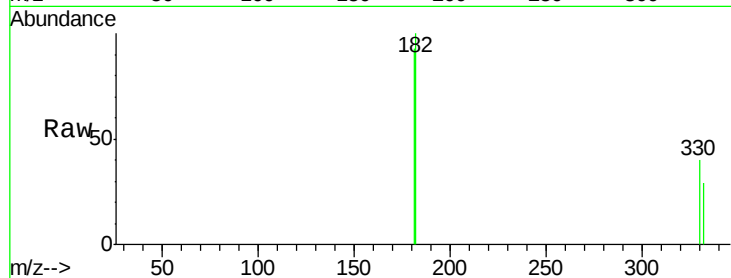
#41
 2,4,6-Tribromophenol
 Concen: 0.177 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF105050.D
 Acq: 3 May 2018 00:43

Instrument :
 BNA_F
 ClientSampleId :
 AMENDED-COMPOSITE-P5-WCDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	141.2	77.0	115.6#
141	0.0	29.9	44.9#

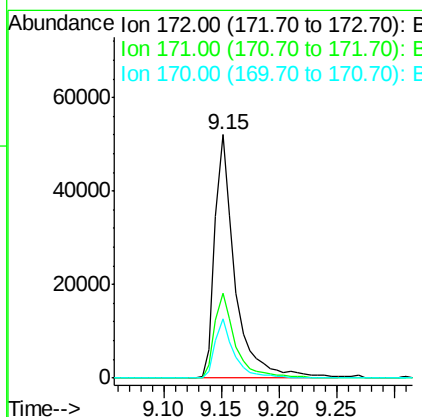
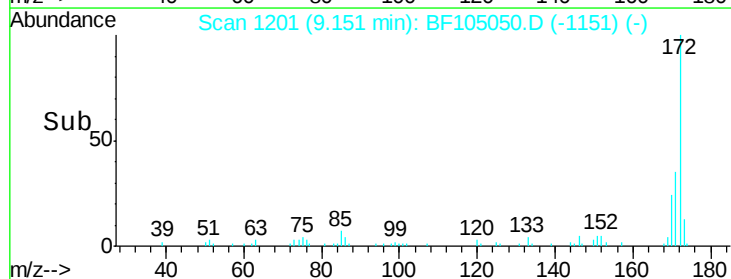
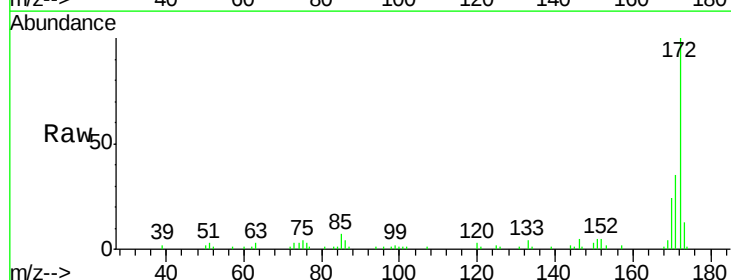
Manual Integrations
 APPROVED

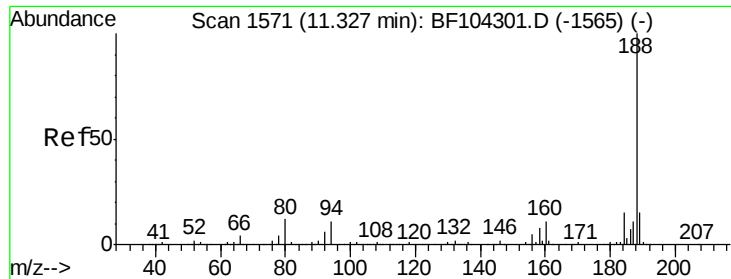
Sohil
 5/3/2018 5:00:58 PM



#44
 2-Fluorobiphenyl
 Concen: 6.762 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105050.D
 Acq: 3 May 2018 00:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	24.1	19.6	29.4





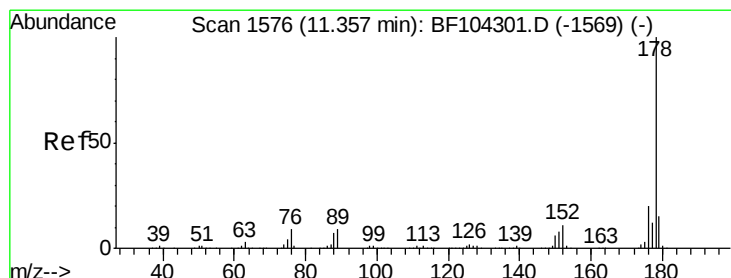
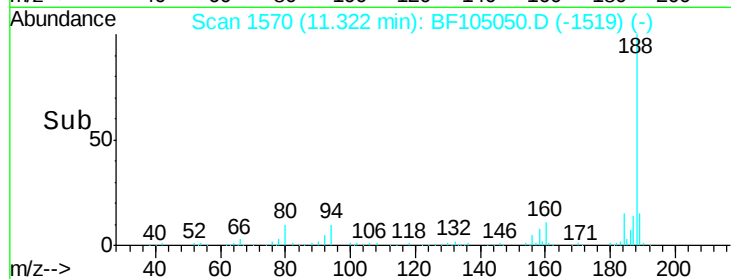
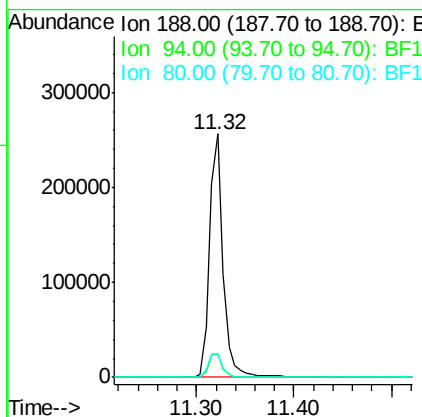
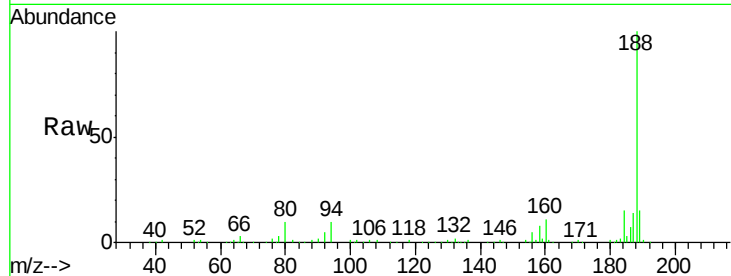
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-P5-WCDL

Tot Ion:	188	Resp:	245606
Ion Ratio	Lower	Upper	
188	100		
94	9.5	8.5	12.7
80	9.7	9.2	13.8

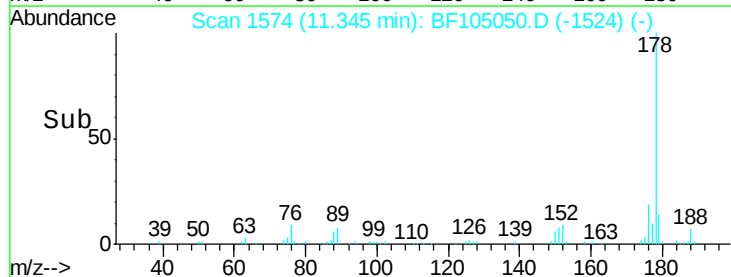
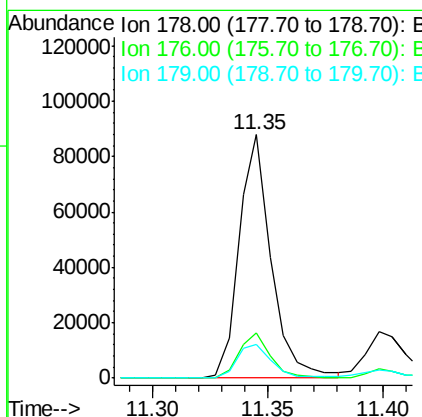
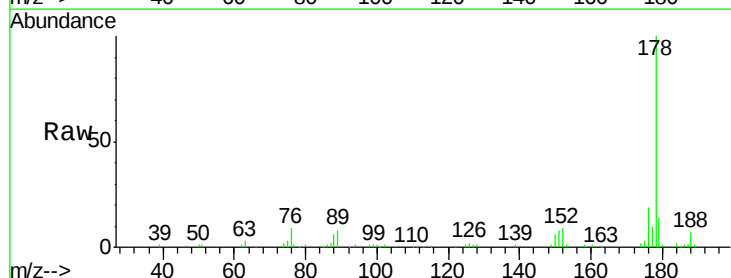
Manual Integrations
APPROVED

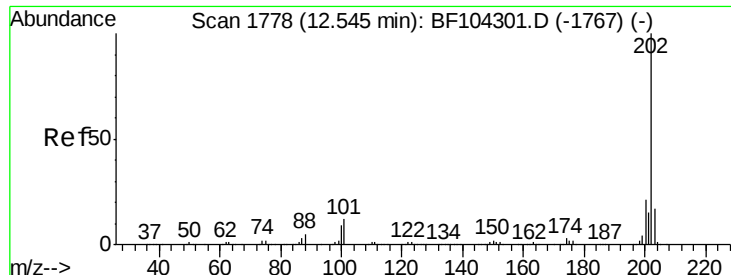
Sohil
5/3/2018 5:00:58 PM



#70
Phenanthrene
Concen: 6.219 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Tgt Ion:	178	Resp:	85063
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.8	23.8
179	13.7	13.0	19.6





#74

Fluoranthene

Concen: 5.555 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF105050.D

Acq: 3 May 2018 00:43

Instrument :

BNA_F

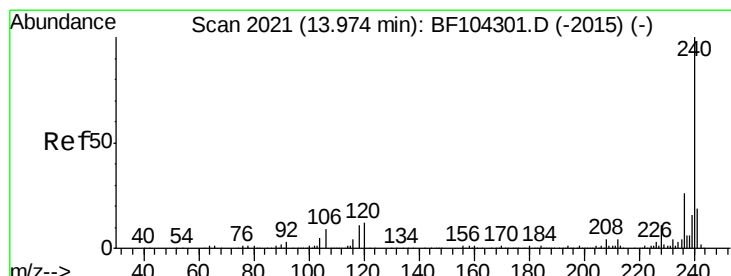
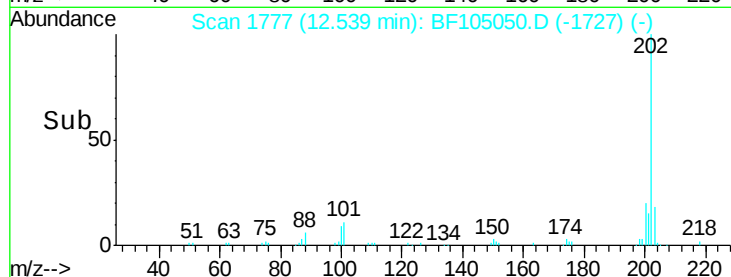
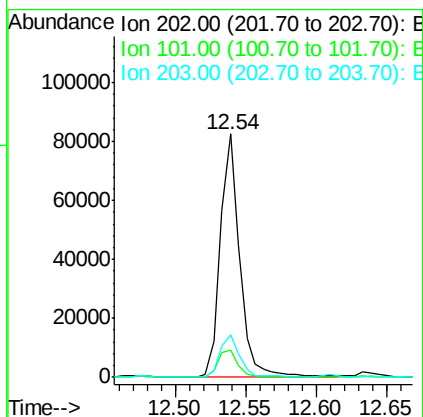
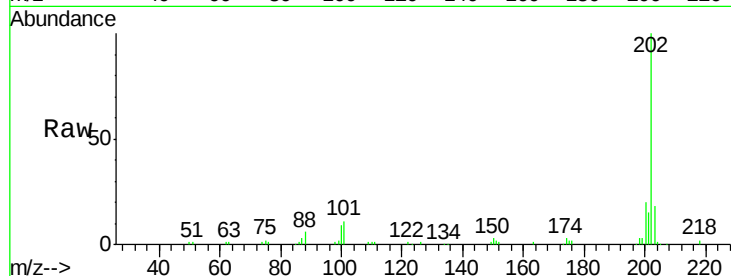
ClientSampleId :

AMENDED-COMPOSITE-P5-WCDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.4	0.0	34.1
203	17.7	0.0	38.1

Manual Integrations
APPROVED

Sohil
5/3/2018 5:00:58 PM



#75

Chrysene-d12

Concen: 20.000 ng

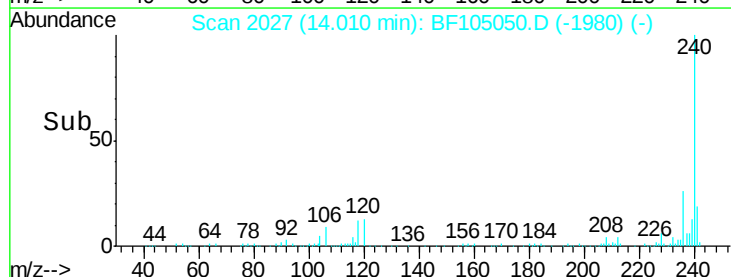
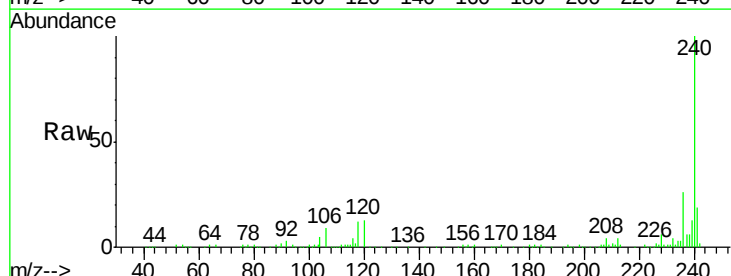
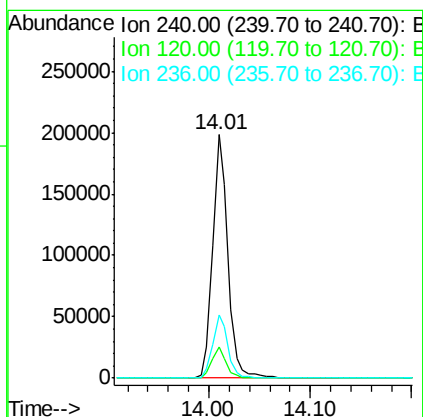
RT: 14.01 min Scan# 2027

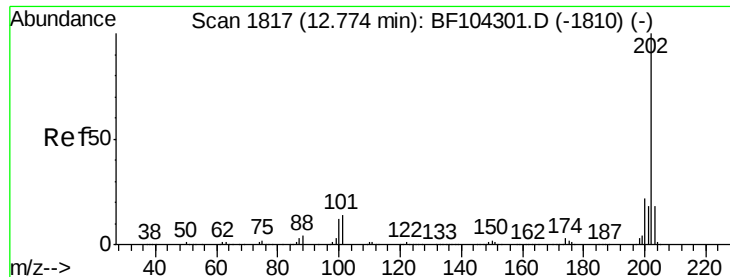
Delta R.T. -0.02 min

Lab File: BF105050.D

Acq: 3 May 2018 00:43

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.0	9.5	14.3
236	25.9	20.7	31.1





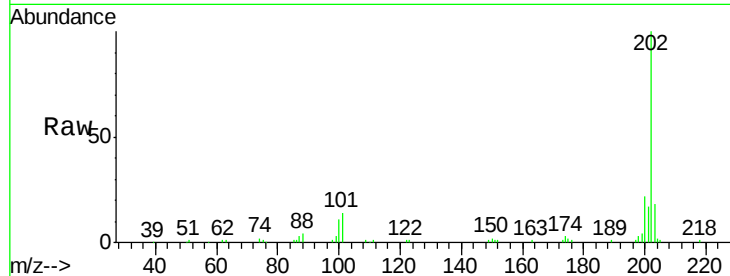
#77
Pvrene
Concen: 4.697 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-P5-WCDL

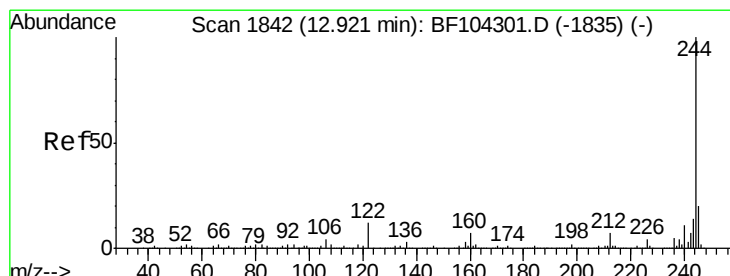
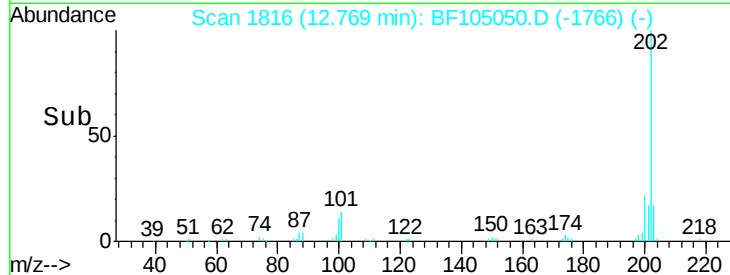
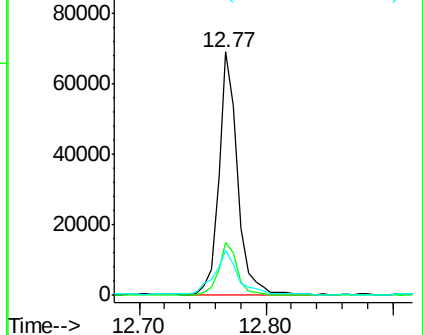
Tot Ion	Ratio	Resp	Lower	Upper
202	100	71797		
200	21.9		17.4	26.2
203	18.4		14.3	21.5

Manual Integrations
APPROVED

Sohil
5/3/2018 5:00:58 PM



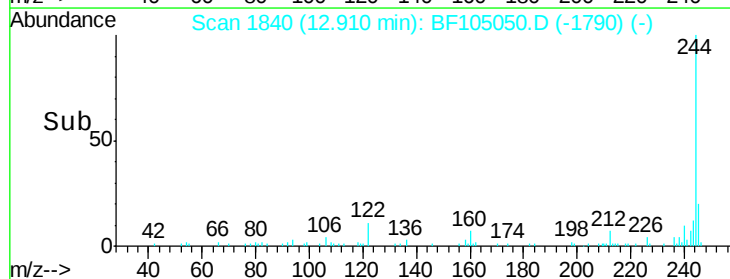
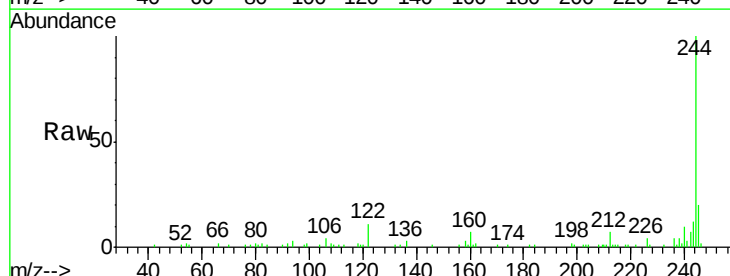
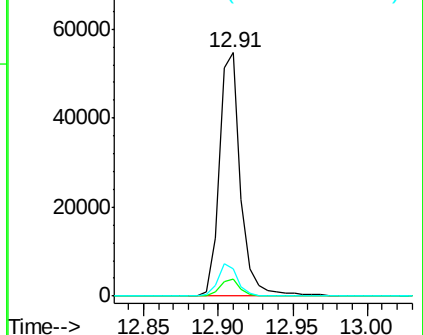
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

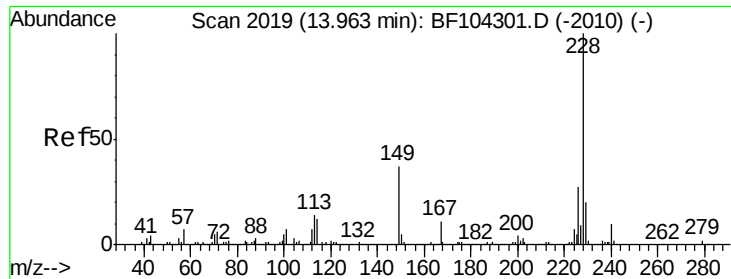


#78
Terphenyl-d14
Concen: 6.015 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	54411		
212	6.8		5.4	8.0
122	11.1		11.0	16.4

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





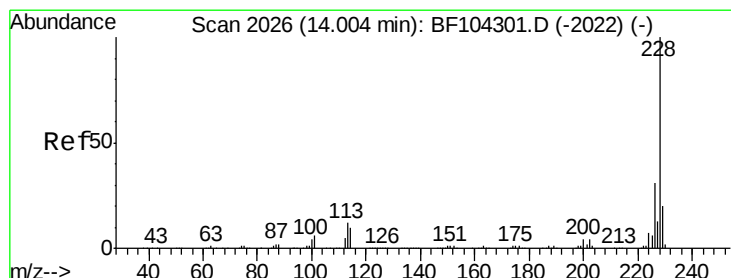
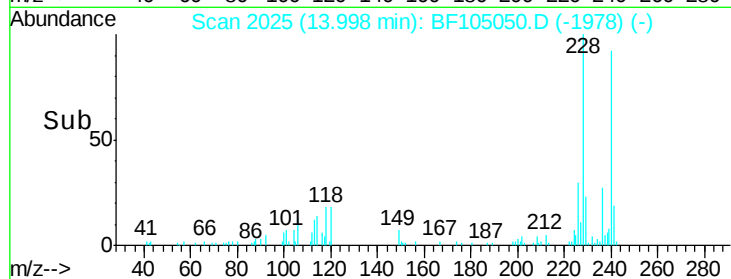
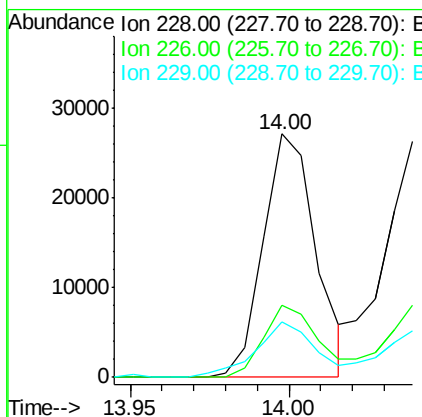
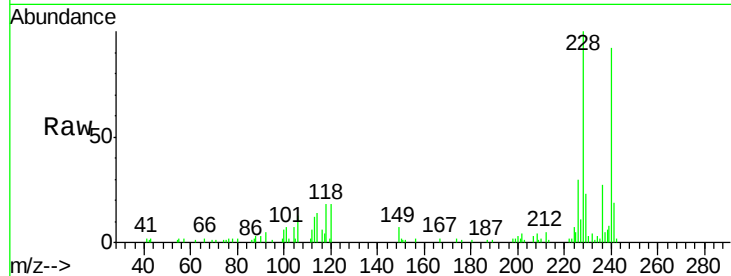
#80
Benzo(a)anthracene
Concen: 2.542 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Instrument :
BNA_F
ClientSampleId :
AMENDED-COMPOSITE-P5-WCDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	23.0	15.8	23.6

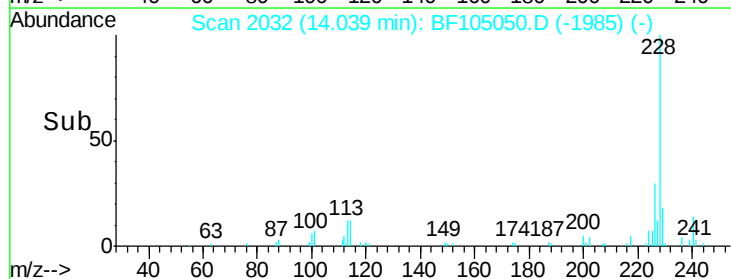
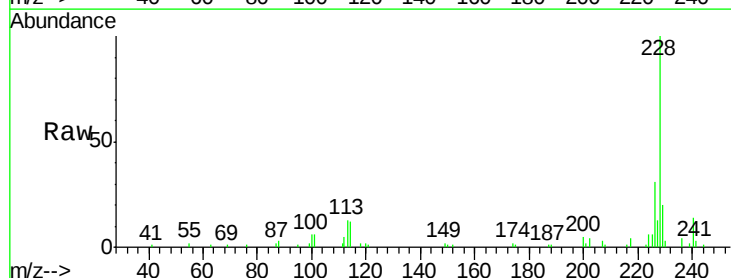
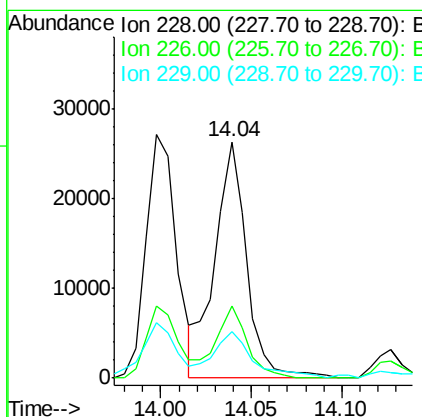
Manual Integrations
APPROVED

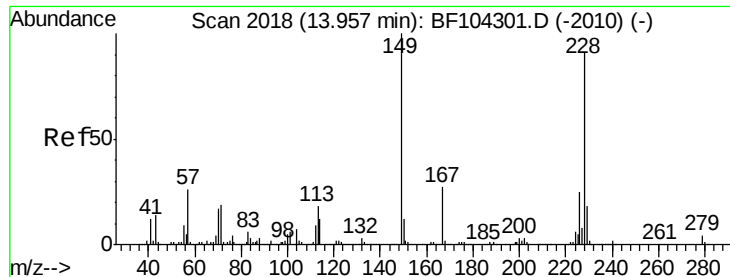
Sohil
5/3/2018 5:00:58 PM



#82
Chrysene
Concen: 2.554 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF105050.D
Acq: 3 May 2018 00:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	19.8	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 17.961 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF105050.D

Acq: 3 May 2018 00:43

Instrument :

BNA_F

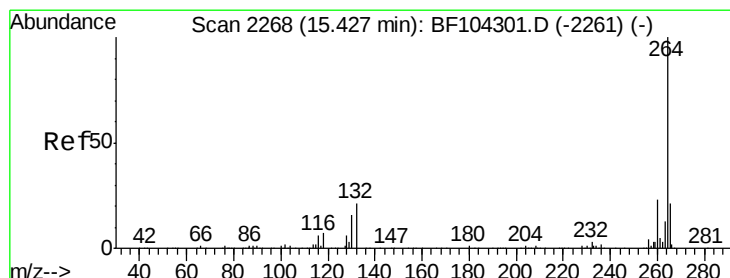
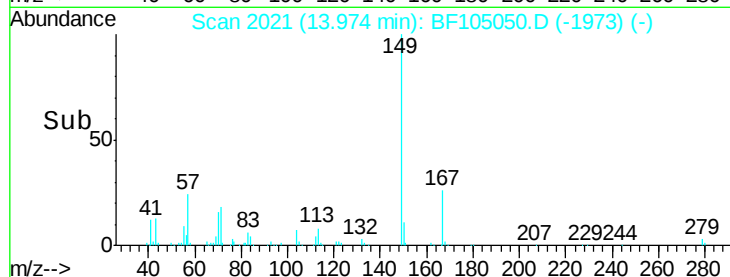
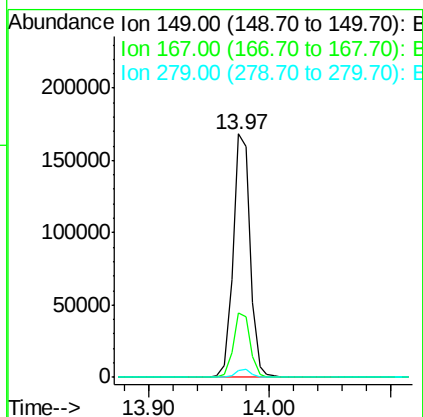
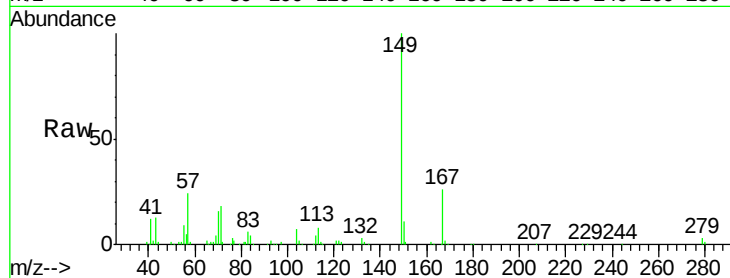
ClientSampleId :

AMENDED-COMPOSITE-P5-WCDL

Tot Ion:	149	Resp:	166367
Ion Ratio	Lower	Upper	
149	100		
167	26.5	21.3	31.9
279	2.6	3.0	4.4#

Manual Integrations
APPROVED

Sohil
5/3/2018 5:00:58 PM



#86

Perylene-d12

Concen: 20.000 ng

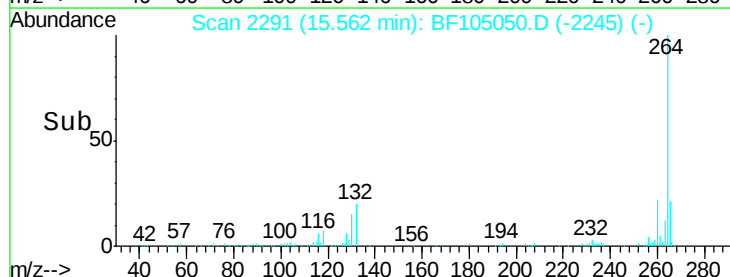
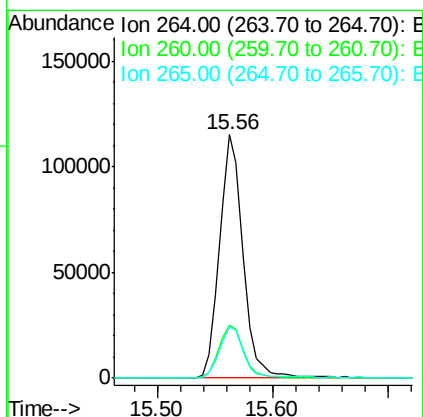
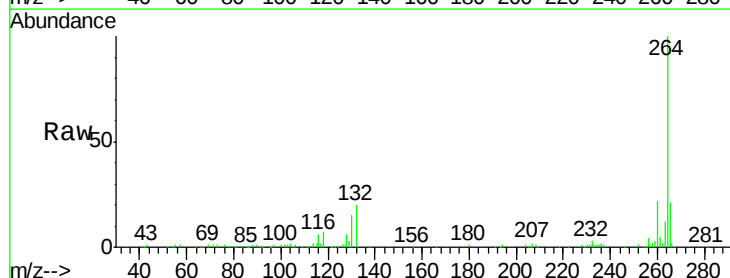
RT: 15.56 min Scan# 2291

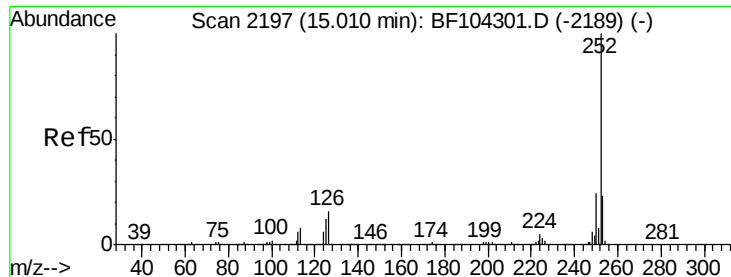
Delta R.T. -0.03 min

Lab File: BF105050.D

Acq: 3 May 2018 00:43

Tgt Ion:	264	Resp:	162856
Ion Ratio	Lower	Upper	
264	100		
260	21.8	19.2	28.8
265	21.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 2.629 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.03 min

Lab File: BF105050.D

Acq: 3 May 2018 00:43

Instrument :

BNA_F

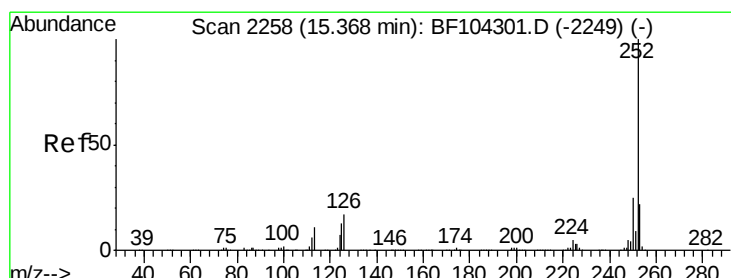
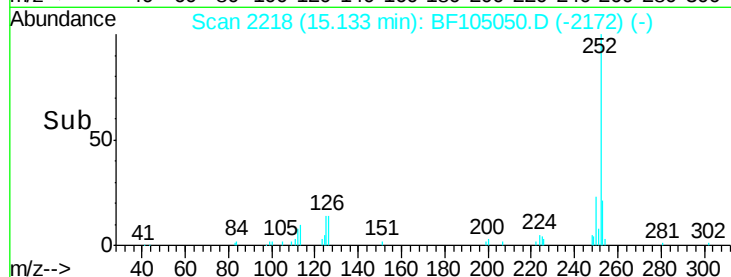
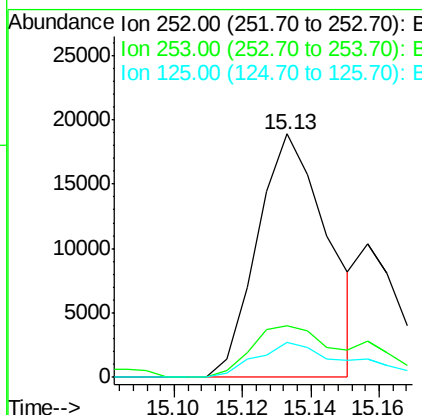
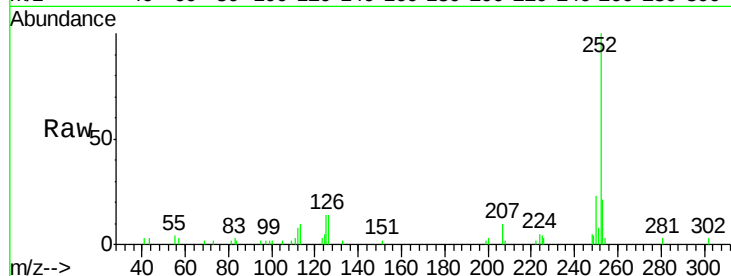
ClientSampleId :

AMENDED-COMPOSITE-P5-WCDL

Tot Ion:	252	Resp:	27038
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.0	25.6
125	14.2	9.0	13.6#

Manual Integrations
APPROVED

Sohil
5/3/2018 5:00:58 PM



#89

Benzo(a)pyrene

Concen: 2.009 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.04 min

Lab File: BF105050.D

Acq: 3 May 2018 00:43

Tgt Ion:	252	Resp:	18485
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.1	25.7#
125	14.8	9.8	14.6#

