

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101348.D
 Acq On : 12 Dec 2017 23:35
 Operator : SJ/JU
 Sample : I6814-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PHMHC-WC1

Manual Integrations
 APPROVED

Sohil
 12/13/2017 12:08:09 PM

Quant Time: Dec 13 04:41:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	40246	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	154466	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	66722	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	115803	20.00	ng	0.00
75) Chrysene-d12	14.00	240	94101	20.00	ng	0.00
86) Perylene-d12	15.49	264	78376	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	252708	103.76	ng	0.00
7) Phenol-d6	6.46	99	307654	104.04	ng	0.00
23) Nitrobenzene-d5	7.39	82	181665	70.16	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	68948	86.02	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	333533	68.39	ng	0.00
78) Terphenyl-d14	12.94	244	258911	60.18	ng	0.00
Target Compounds						
10) Phenol	6.47	94	10218	3.108	ng	87
48) Acenaphthylene	9.72	152	20607	2.888	ng	98
49) Dimethylphthalate	9.57	163	24855	4.619	ng	# 96
70) Phenanthrene	11.38	178	45674	7.162	ng	97
71) Anthracene	11.43	178	16542	2.563	ng	99
74) Fluoranthene	12.57	202	75268	10.648	ng	94
77) Pyrene	12.80	202	83697	12.890	ng	97
80) Benzo(a)anthracene	14.00	228	47362	7.972	ng	94
82) Chrysene	14.03	228	42830	7.762	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	28464	5.802	ng	# 90
87) Benzo(b)fluoranthene	15.05	252	68845m	14.665	ng	
88) Benzo(k)fluoranthene	15.08	252	13906m	3.007	ng	
89) Benzo(a)pyrene	15.42	252	45816	10.735	ng	96
90) Dibenzo(a,h)anthracene	16.97	278	10084	2.680	ng	# 66
91) Benzo(a,h,i)perylene	17.43	276	34854	9.829	ng	94

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

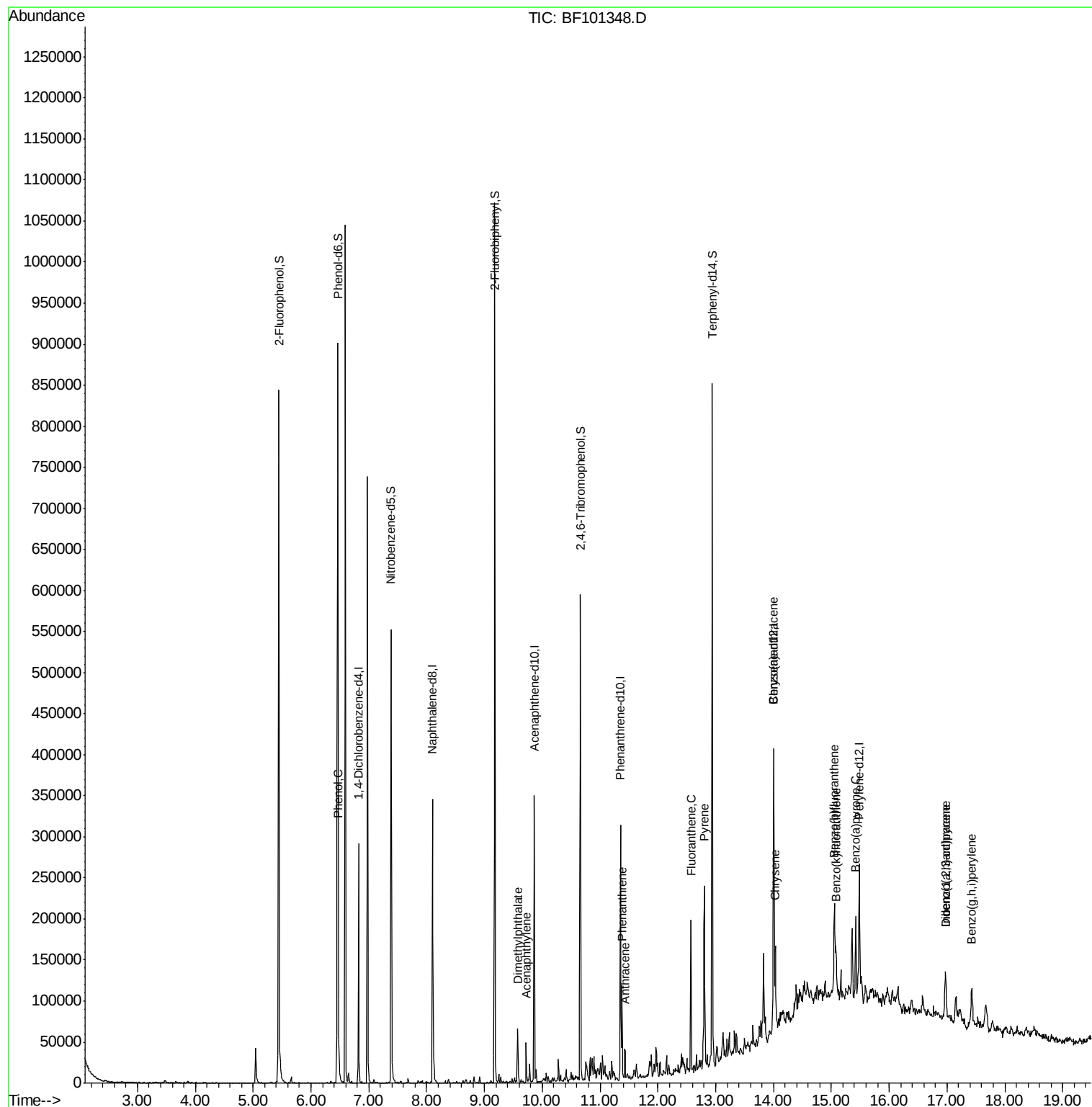
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101348.D
Acq On : 12 Dec 2017 23:35
Operator : SJ/JU
Sample : I6814-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

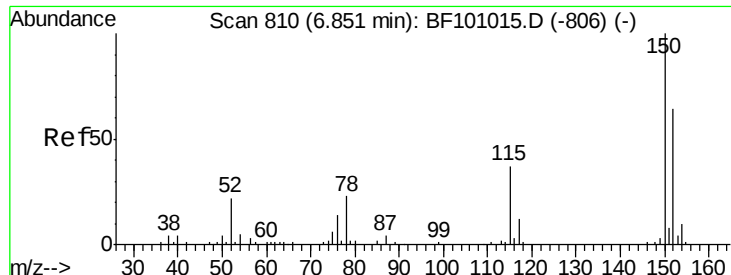
Instrument :
BNA_F
ClientSampleId :
PHMHC-WC1

Manual Integrations
APPROVED

Sohil
12/13/2017 12:08:09 PM

Quant Time: Dec 13 04:41:40 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 08 18:17:31 2017
Response via : Initial Calibration





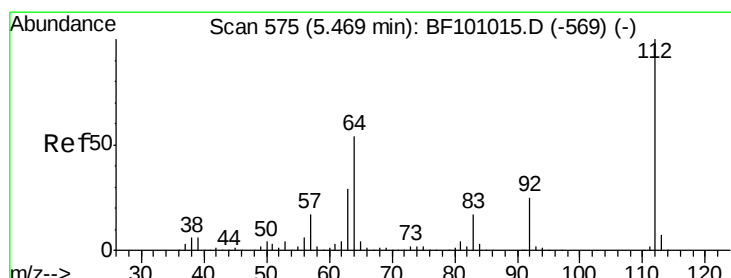
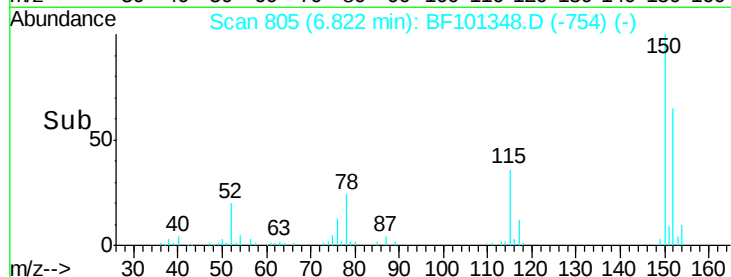
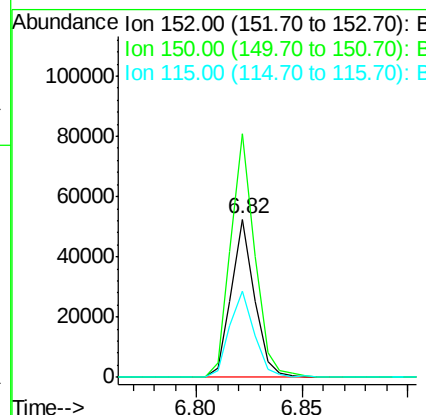
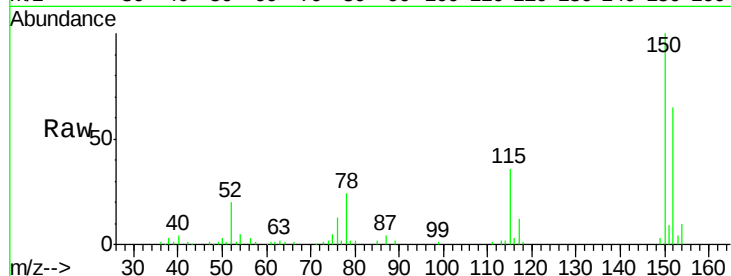
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF101348.D
 Acq: 12 Dec 2017 23:35

Instrument :
 BNA_F
 ClientSampled :
 PHMHC-WC1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.6	186.8
115	54.7	50.1	75.1

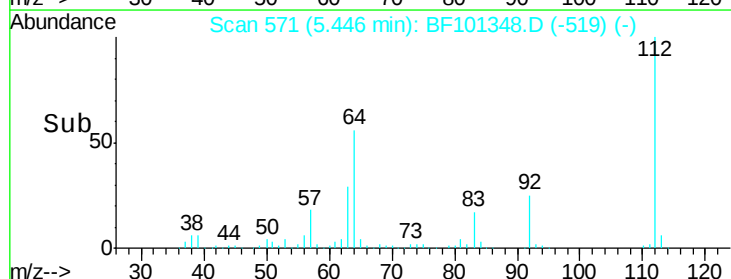
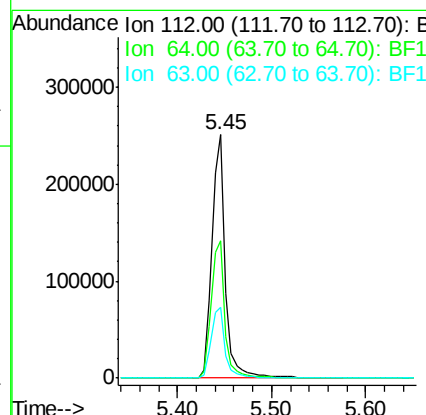
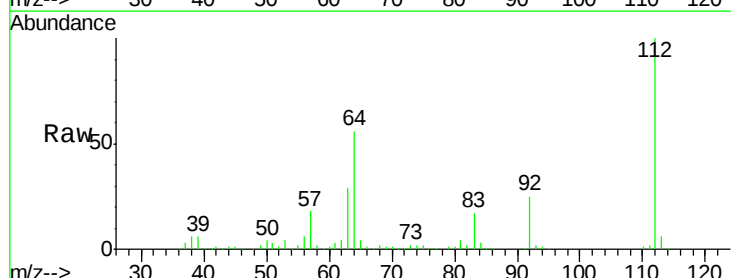
Manual Integrations
 APPROVED

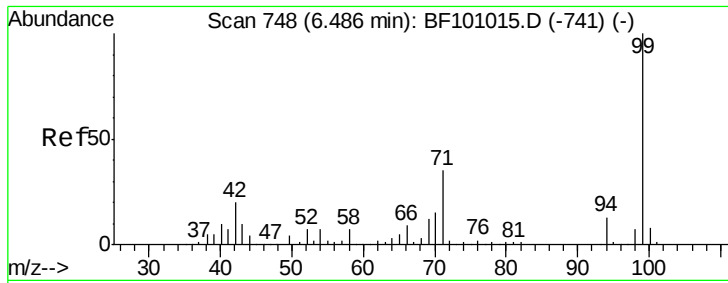
Sohil
 12/13/2017 12:08:09 PM



#5
 2-Fluorophenol
 Concen: 103.758 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF101348.D
 Acq: 12 Dec 2017 23:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.9	71.9
63	29.1	23.7	35.5





#7

Phenol-d6

Concen: 104.043 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

Instrument :

BNA_F

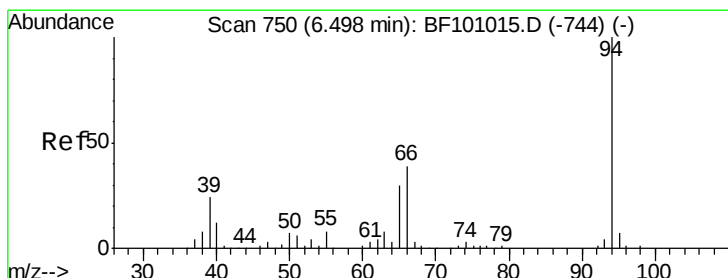
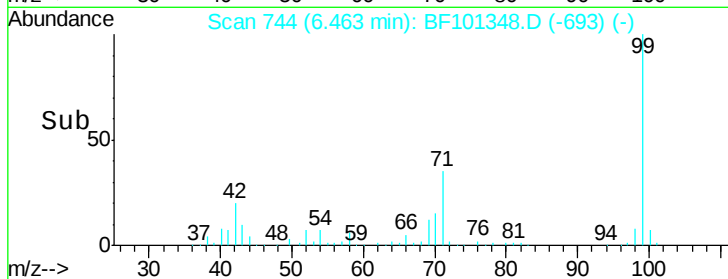
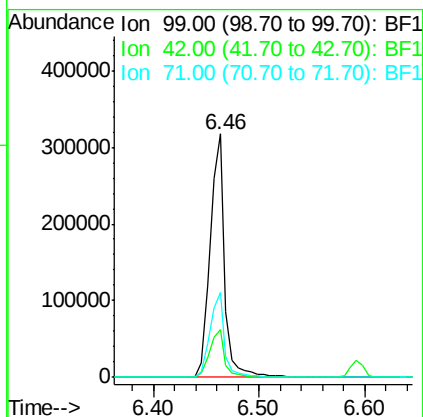
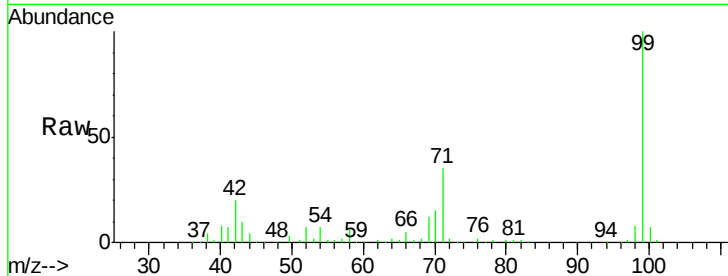
ClientSampleId :

PHMHC-WC1

Tot Ion:	99	Resp:	307654
Ion Ratio	Lower	Upper	
99	100		
42	19.6	14.5	21.7
71	34.7	25.4	38.0

Manual Integrations
APPROVED

Sohil
12/13/2017 12:08:09 PM



#10

Phenol

Concen: 3.108 ng

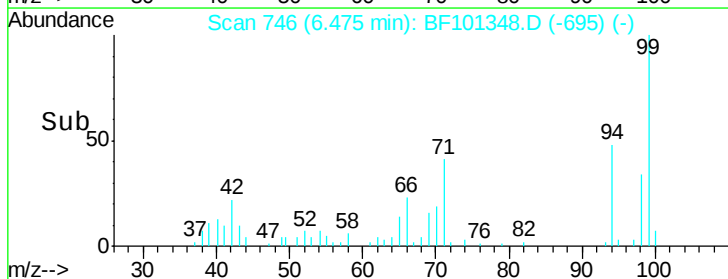
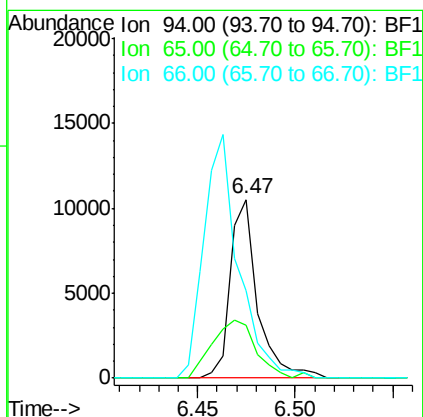
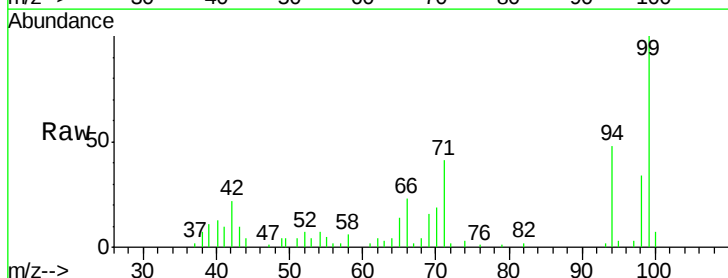
RT: 6.47 min Scan# 746

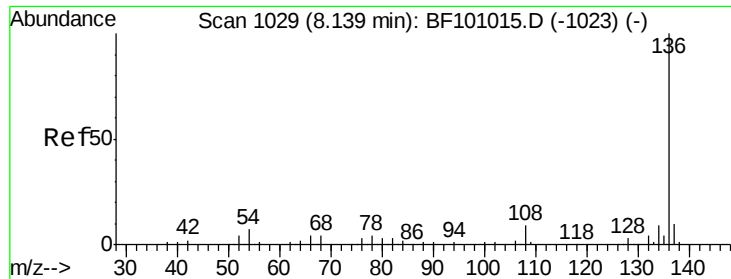
Delta R.T. 0.00 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

Tgt Ion:	94	Resp:	10218
Ion Ratio	Lower	Upper	
94	100		
65	29.5	7.9	47.9
66	48.7	16.2	56.2





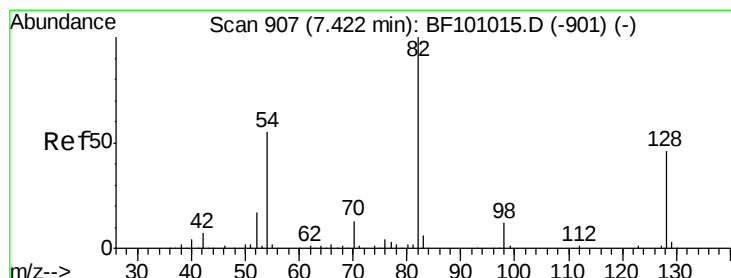
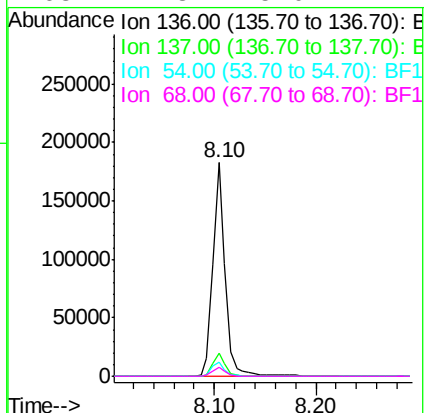
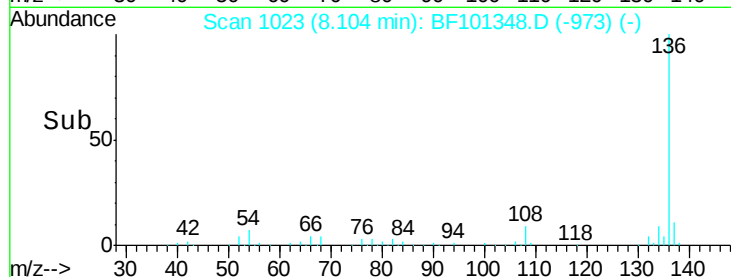
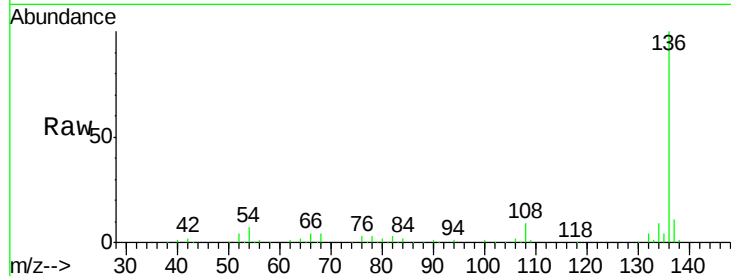
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Instrument :
BNA_F
ClientSampleId :
PHMHC-WC1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		154466		
137	11.1		8.9	13.3	
54	6.8		6.6	9.8	
68	4.3		5.0	7.4	

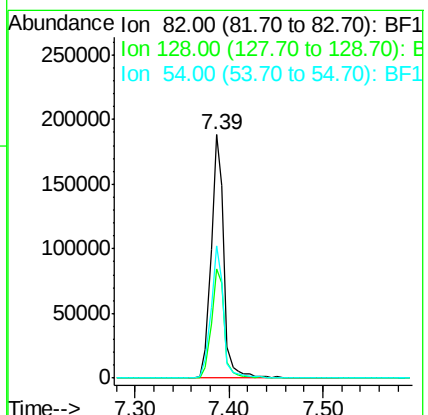
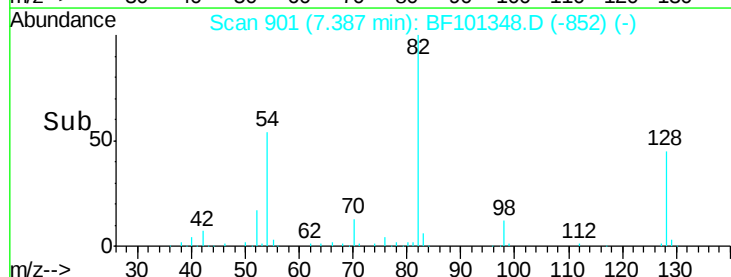
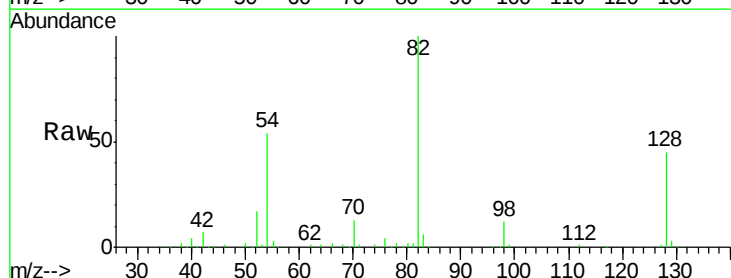
Manual Integrations
APPROVED

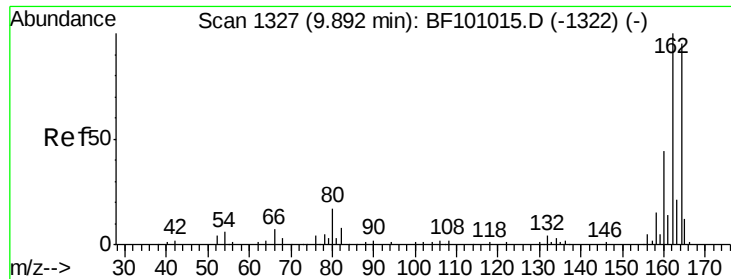
Sohil
12/13/2017 12:08:09 PM



#23
Nitrobenzene-d5
Concen: 70.157 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		181665		
128	44.7		36.1	54.1	
54	54.5		41.4	62.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

Instrument :

BNA_F

ClientSampled :

PHMHC-WC1

Tot Ion:164 Resp: 66722

Ion Ratio Lower Upper

164 100

162 99.5 86.1 129.1

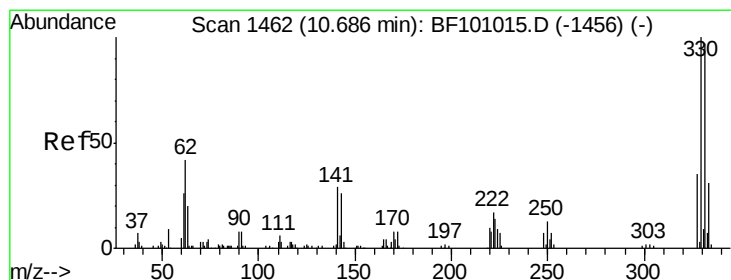
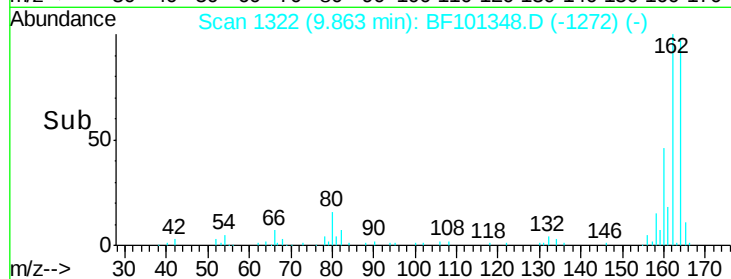
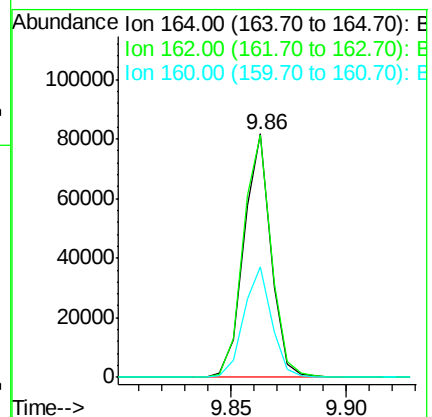
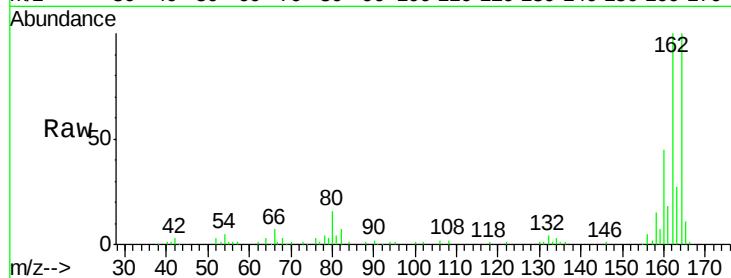
160 45.3 38.3 57.5

Manual Integrations

APPROVED

Sohil

12/13/2017 12:08:09 PM



#41

2,4,6-Tribromophenol

Concen: 86.021 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

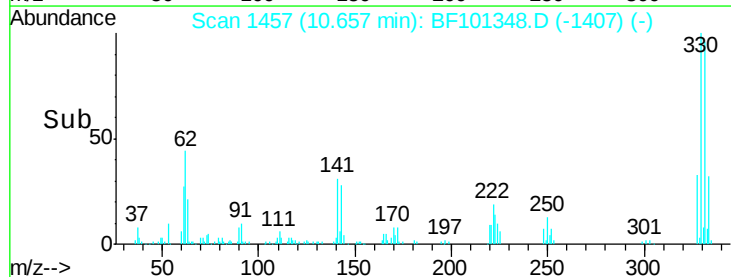
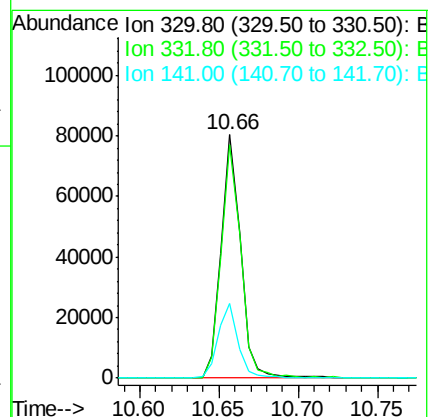
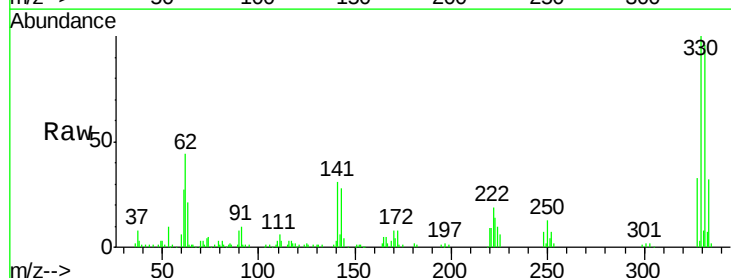
Tgt Ion:330 Resp: 68948

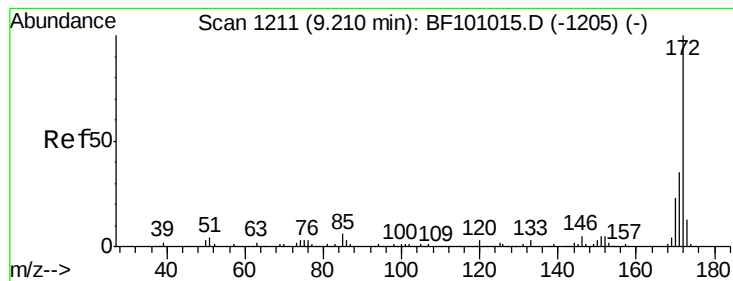
Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

141 31.3 29.9 44.9





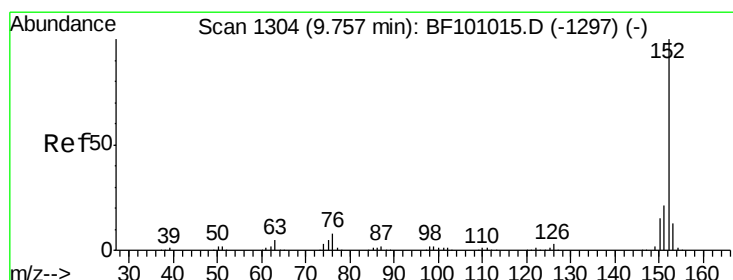
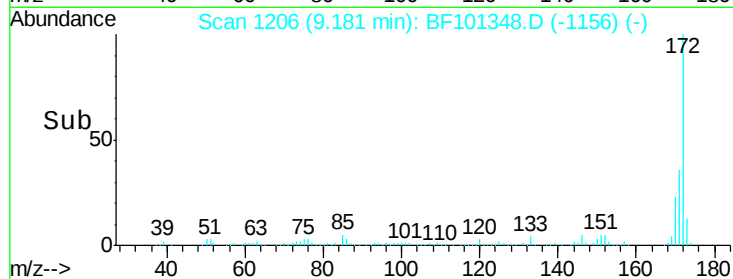
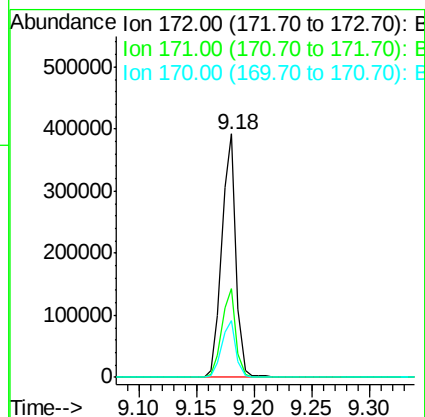
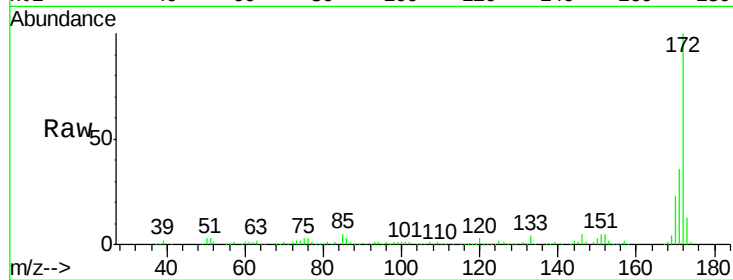
#44
2-Fluorobiphenyl
Concen: 68.394 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Instrument :
BNA_F
ClientSampleId :
PHMHC-WC1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.3	19.6	29.4

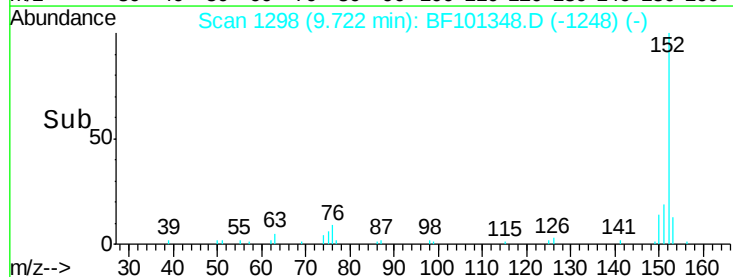
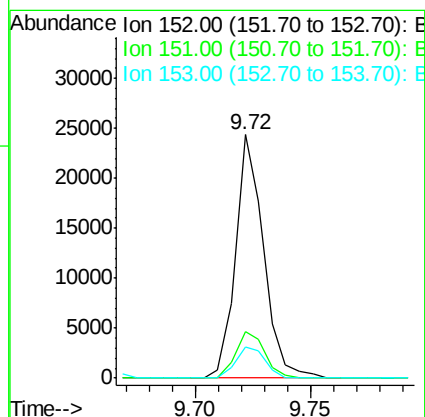
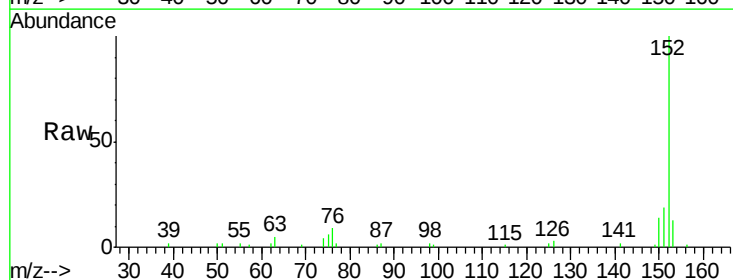
Manual Integrations
APPROVED

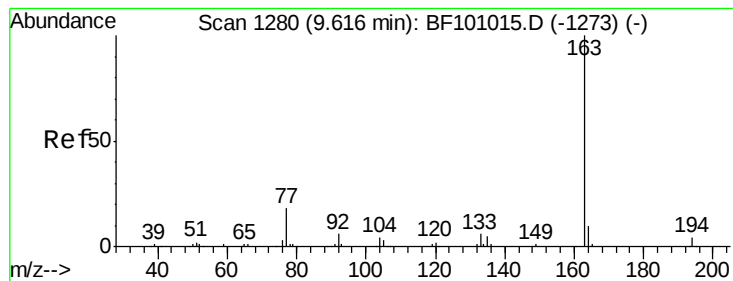
Sohil
12/13/2017 12:08:09 PM



#48
Acenaphthylene
Concen: 2.888 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.3	24.5
153	12.9	10.7	16.1





#49

Dimethylphthalate

Concen: 4.619 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

Instrument :

BNA_F

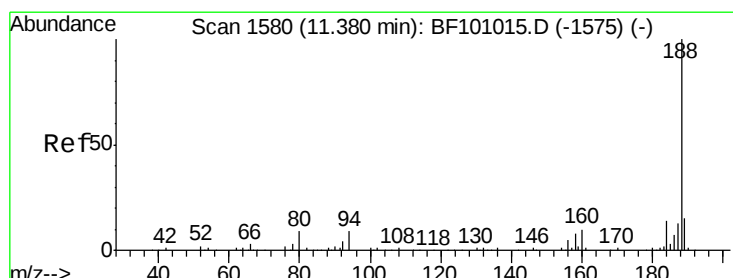
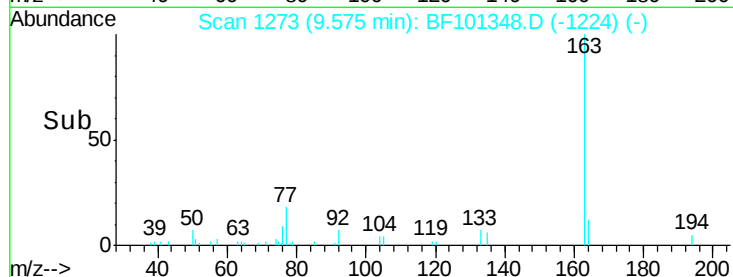
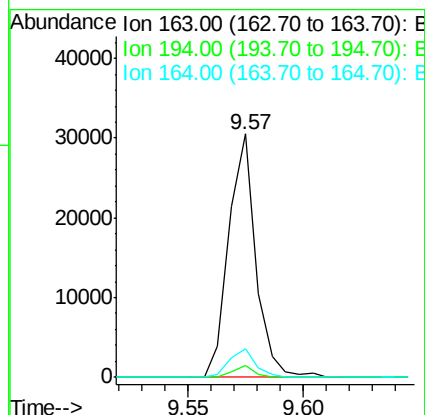
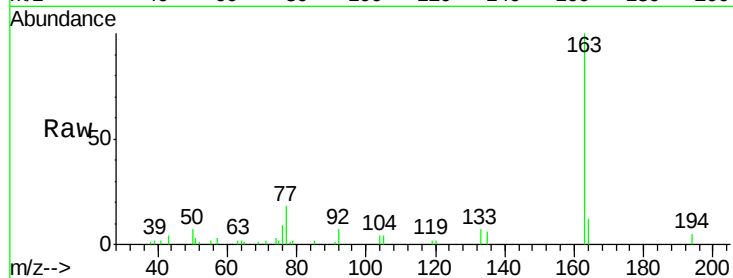
ClientSampleId :

PHMHC-WC1

Tot Ion:	163	Resp:	24855
Ion Ratio	Lower	Upper	
163	100		
194	4.7	2.7	4.1#
164	11.8	8.2	12.2

Manual Integrations
APPROVED

Sohil
12/13/2017 12:08:09 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

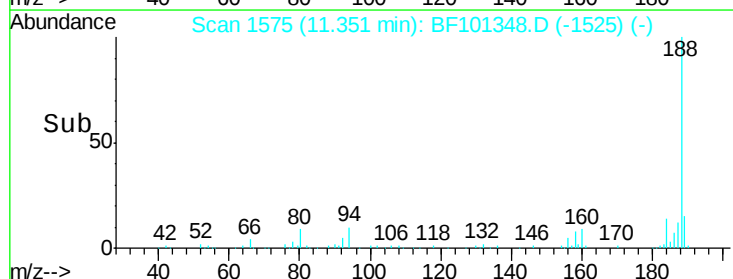
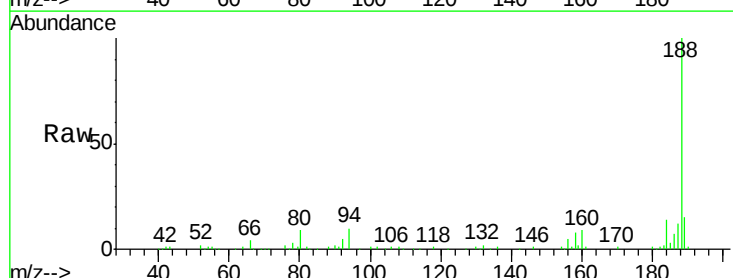
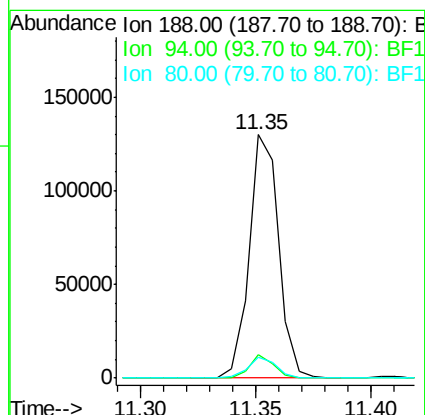
RT: 11.35 min Scan# 1575

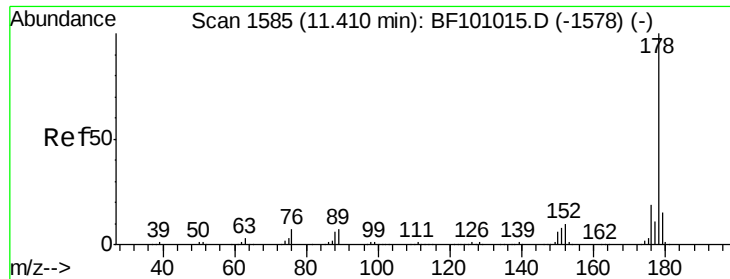
Delta R.T. -0.01 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

Tgt Ion:	188	Resp:	115803
Ion Ratio	Lower	Upper	
188	100		
94	9.5	8.5	12.7
80	8.5	9.2	13.8#





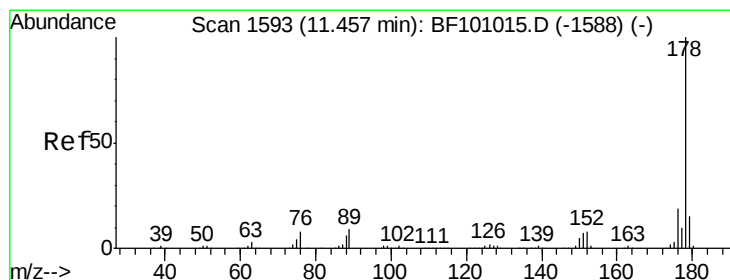
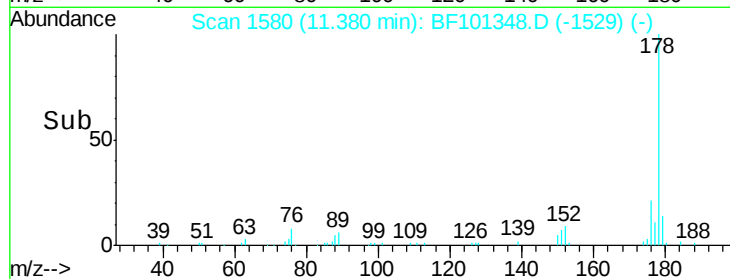
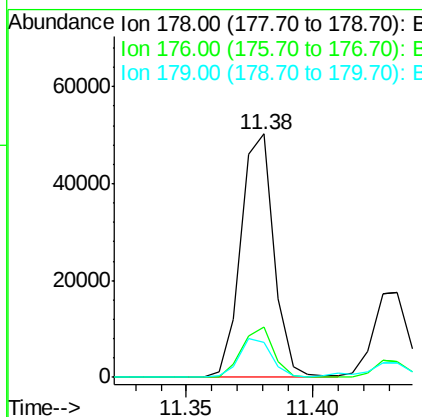
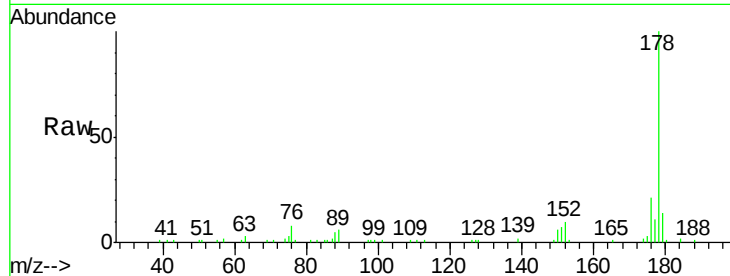
#70
Phenanthrene
Concen: 7.162 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Instrument :
BNA_F
ClientSampleId :
PHMHC-WC1

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.8	23.8
179	14.5	13.0	19.6

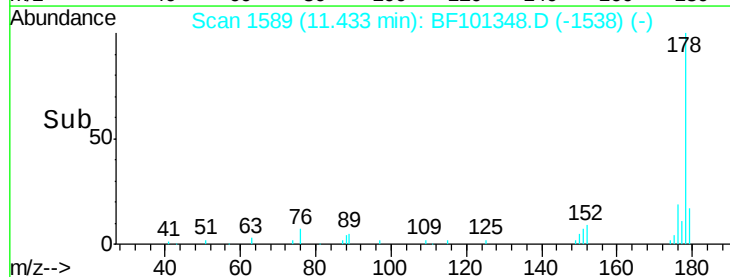
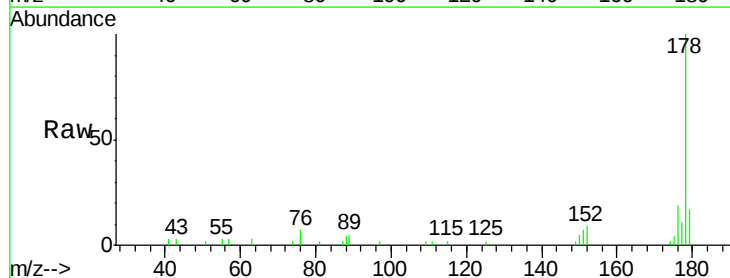
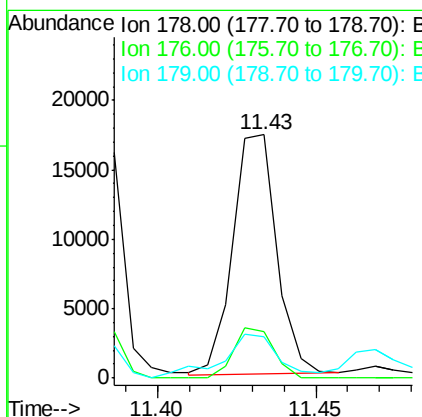
Manual Integrations
APPROVED

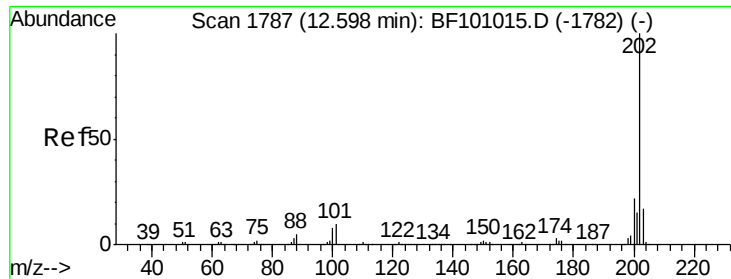
Sohil
12/13/2017 12:08:09 PM



#71
Anthracene
Concen: 2.563 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	16.8	12.6	19.0





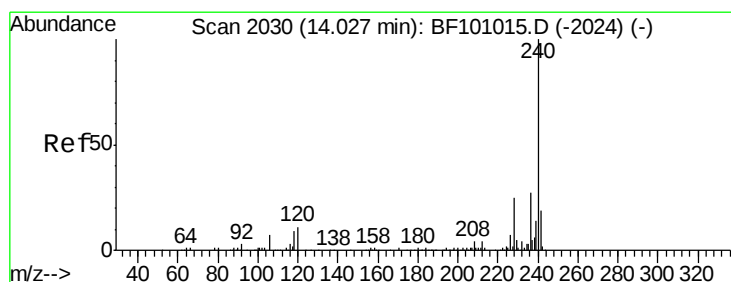
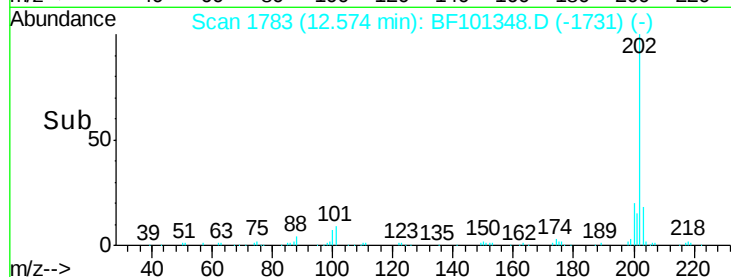
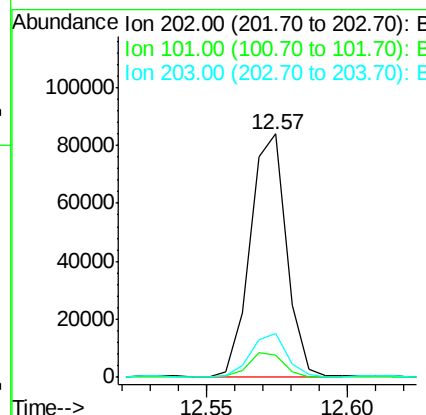
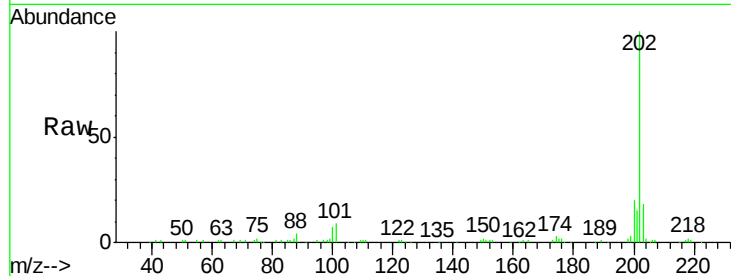
#74
 Fluoranthene
 Concen: 10.648 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BF101348.D
 Acq: 12 Dec 2017 23:35

Instrument :
 BNA_F
 ClientSampled :
 PHMHC-WC1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.9	0.0	34.1
203	18.2	0.0	38.1

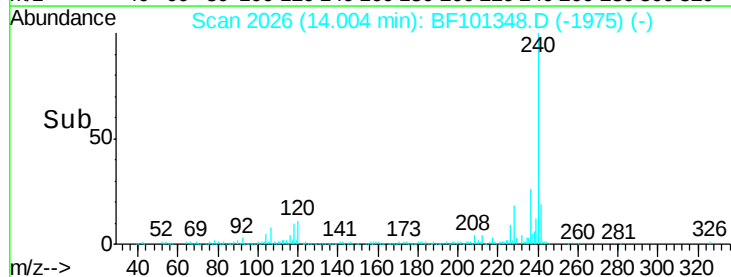
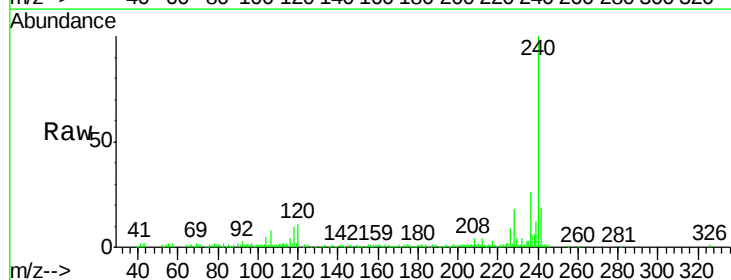
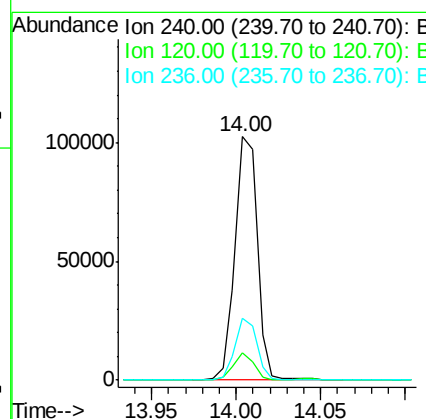
Manual Integrations
 APPROVED

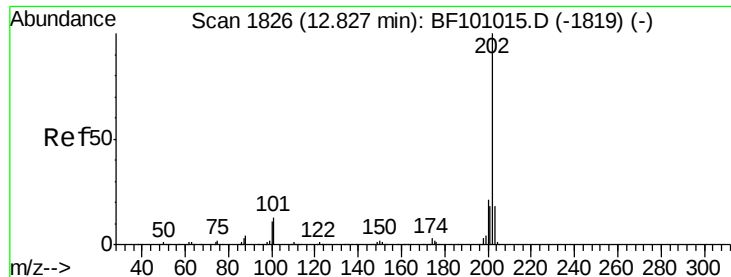
Sohil
 12/13/2017 12:08:09 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.00 min
 Lab File: BF101348.D
 Acq: 12 Dec 2017 23:35

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.3	9.5	14.3
236	25.5	20.7	31.1





#77

Pvrene

Concen: 12.890 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

Instrument :

BNA_F

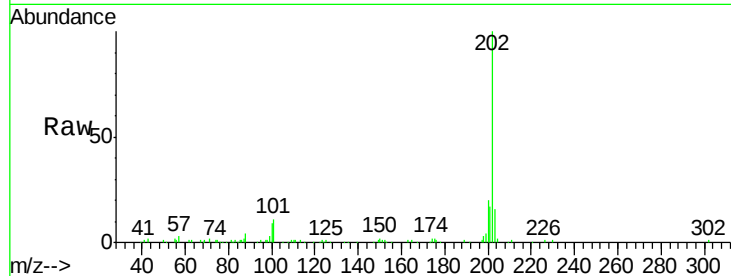
ClientSampled :

PHMHC-WC1

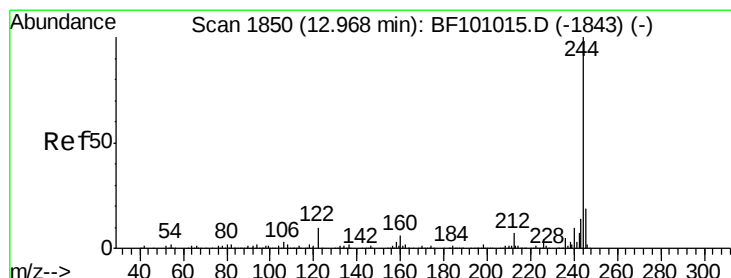
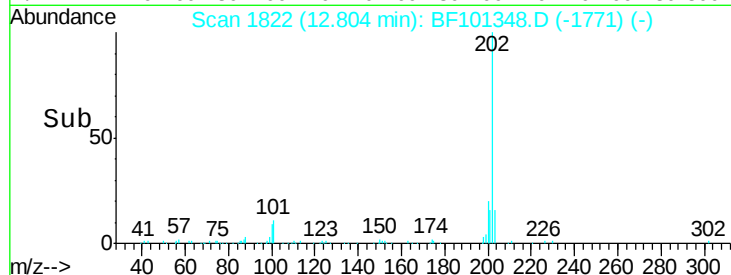
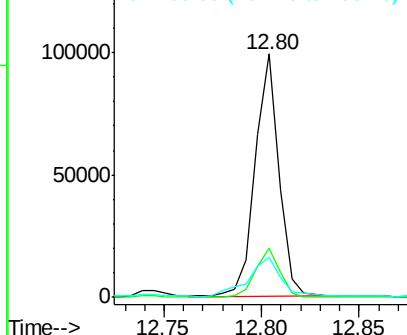
Tot Ion:	202	Resp:	83697
Ion Ratio		Lower	Upper
202	100		
200	20.1	17.4	26.2
203	16.5	14.3	21.5

Manual Integrations
APPROVED

Sohil
12/13/2017 12:08:09 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: 60.181 ng

RT: 12.94 min Scan# 1845

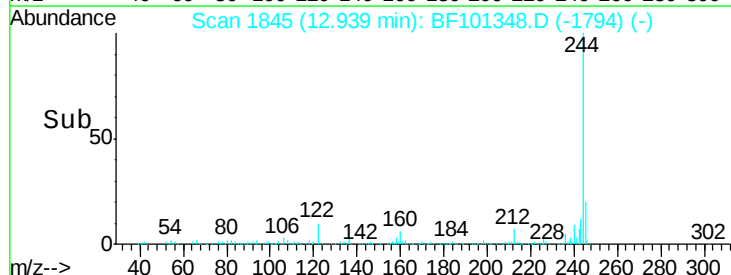
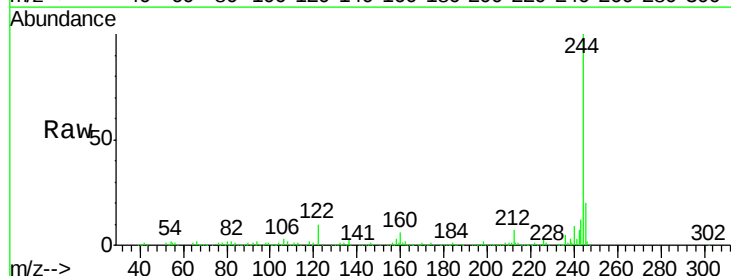
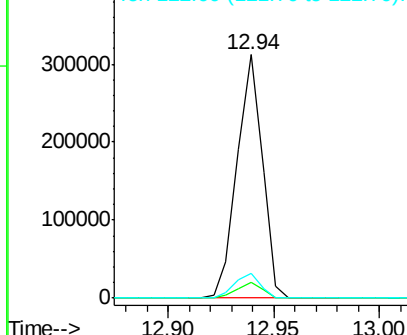
Delta R.T. 0.00 min

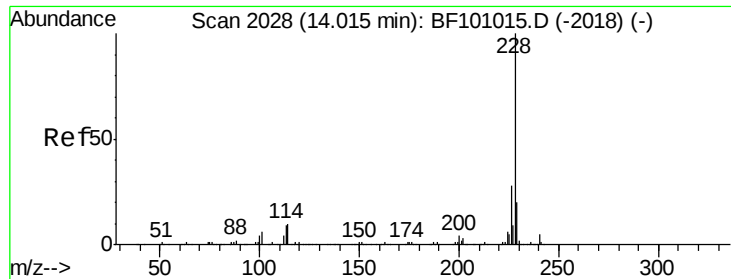
Lab File: BF101348.D

Acq: 12 Dec 2017 23:35

Tgt Ion:	244	Resp:	258911
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.1	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





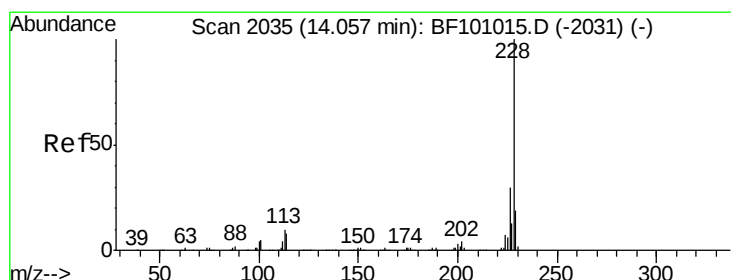
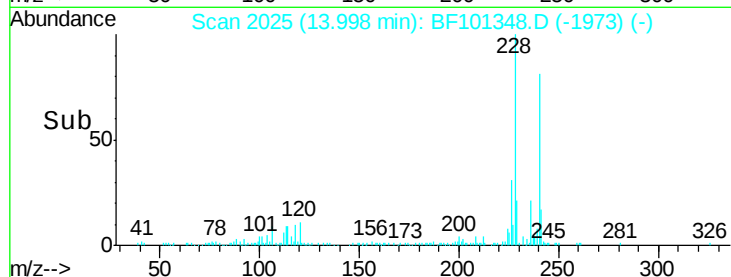
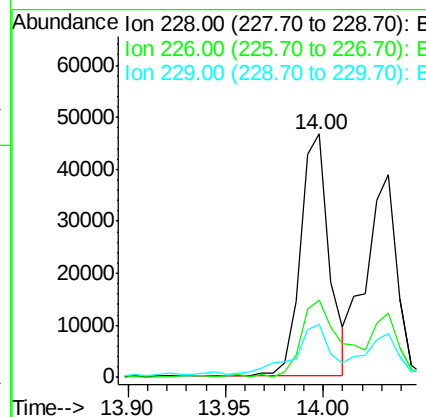
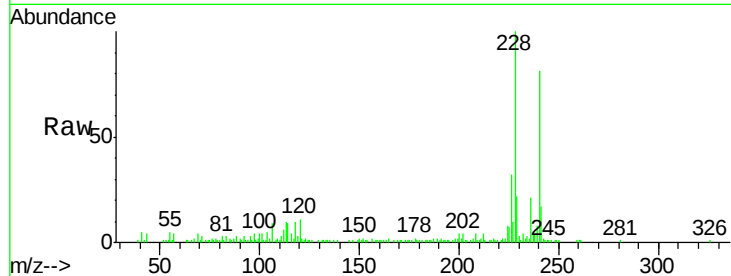
#80
Benzo(a)anthracene
Concen: 7.972 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Instrument :
BNA_F
ClientSampleId :
PHMHC-WC1

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.6	33.8
229	22.0	15.8	23.6

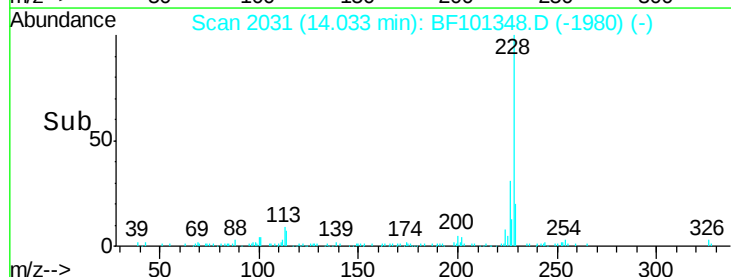
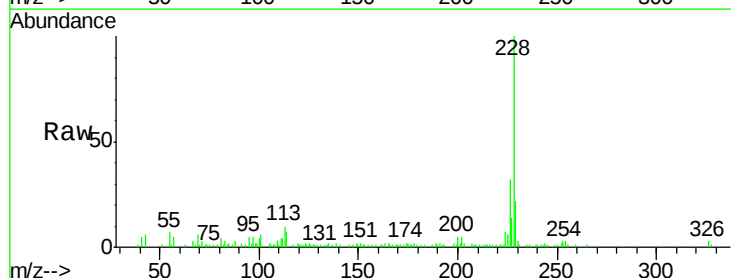
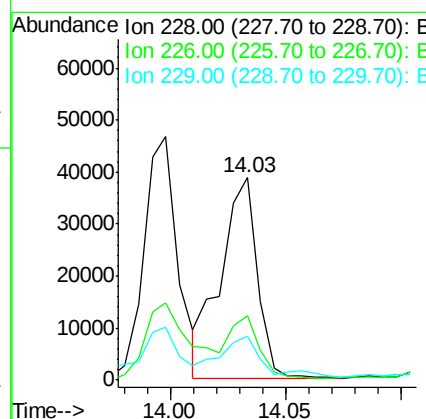
Manual Integrations
APPROVED

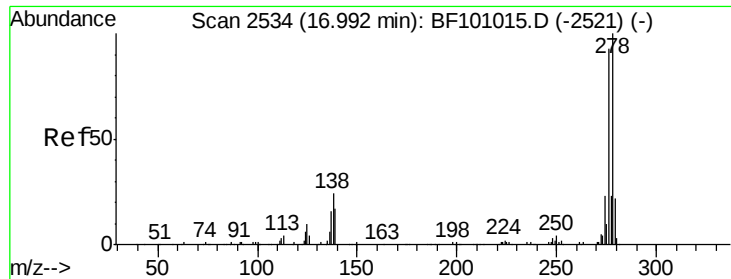
Sohil
12/13/2017 12:08:09 PM



#82
Chrysene
Concen: 7.762 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.0	37.6
229	21.5	16.2	24.4





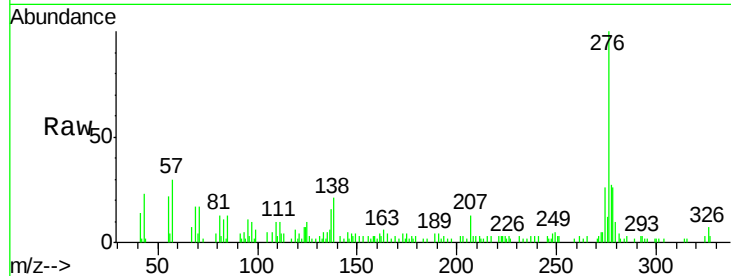
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.802 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.03 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Instrument :
BNA_F
ClientSampleId :
PHMHC-WC1

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.8	25.0	37.6
277	31.1	20.1	30.1

Manual Integrations
APPROVED

Sohil
12/13/2017 12:08:09 PM

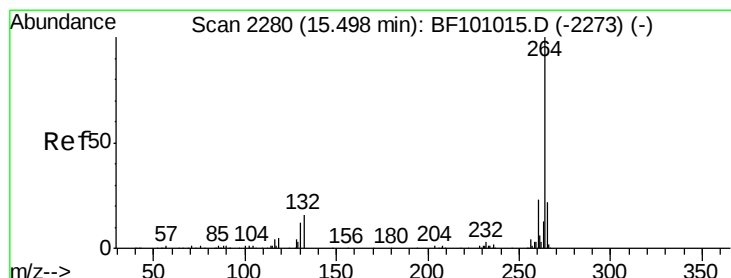
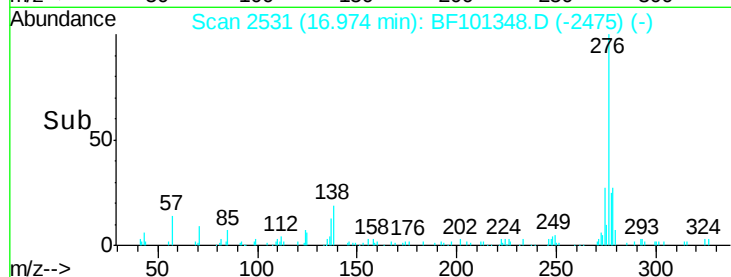
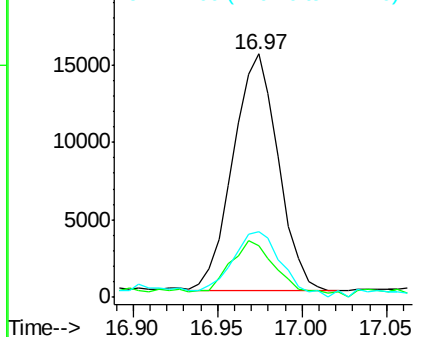


Abundance

Ion 276.00 (275.70 to 276.70): E

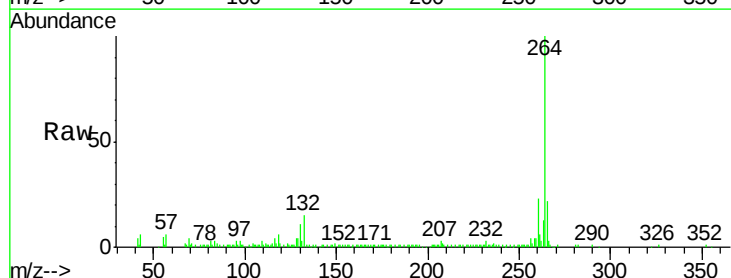
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.1	17.5	26.3

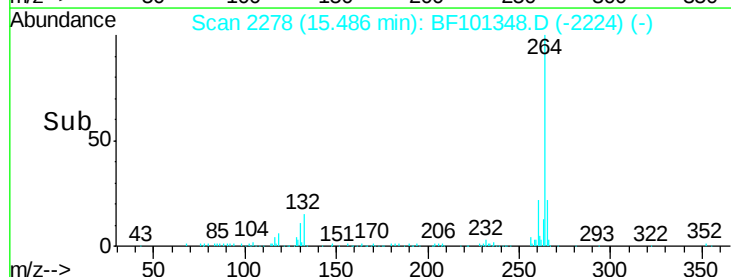
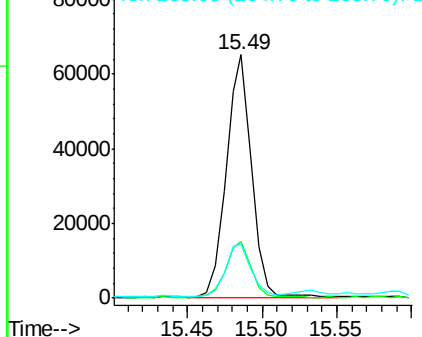


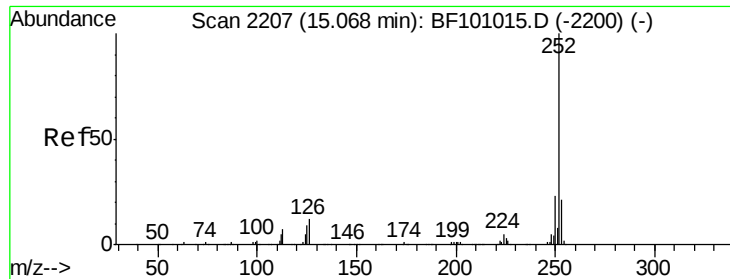
Abundance

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





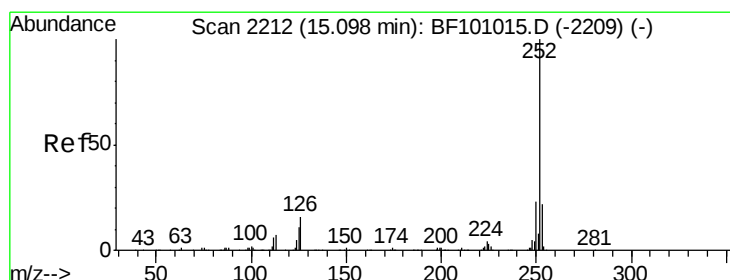
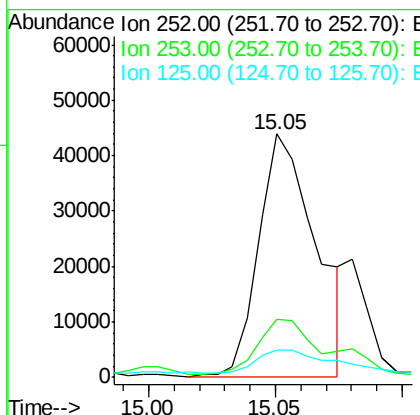
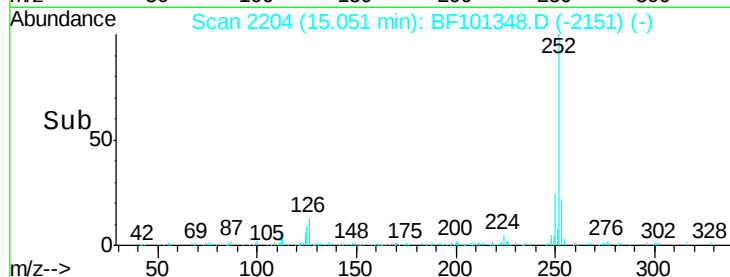
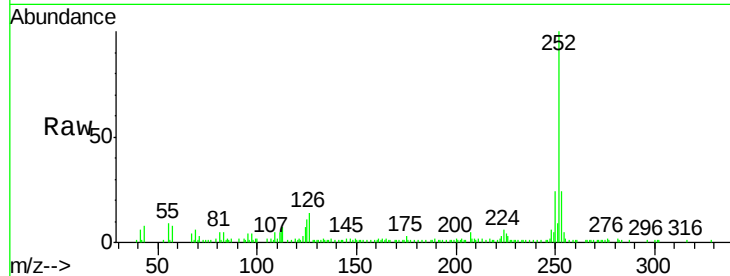
#87
Benzo(b)fluoranthene
Concen: 14.665 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Instrument :
BNA_F
ClientSampleId :
PHMHC-WC1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	11.2	9.0	13.6

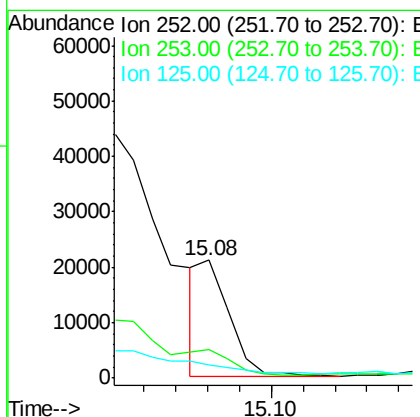
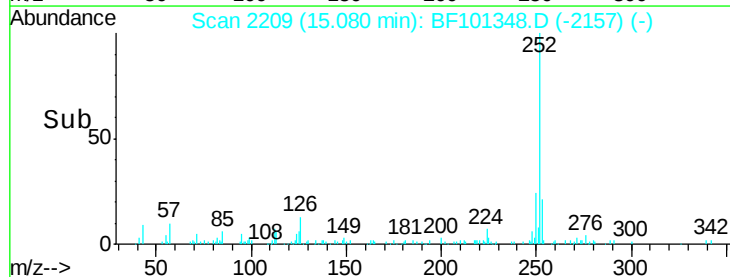
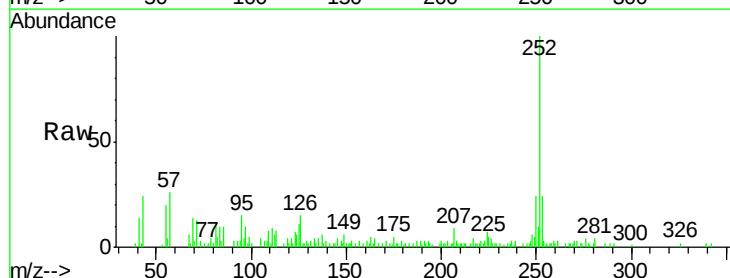
Manual Integrations
APPROVED

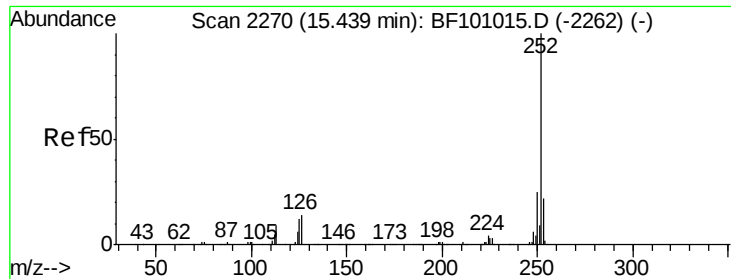
Sohil
12/13/2017 12:08:09 PM



#88
Benzo(k)fluoranthene
Concen: 3.007 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	10.9	10.2	15.2





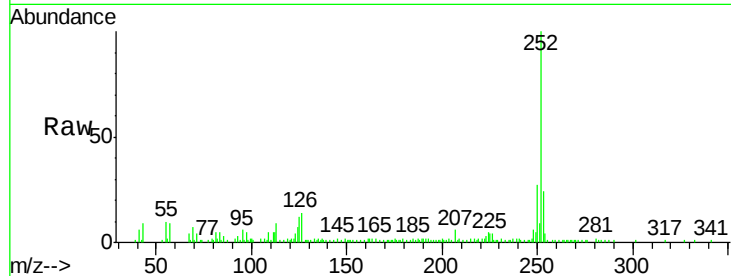
#89
Benzo(a)pyrene
Concen: 10.735 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Instrument :
BNA_F
ClientSampleId :
PHMHC-WC1

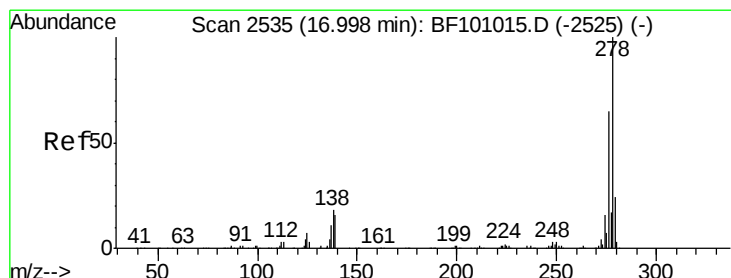
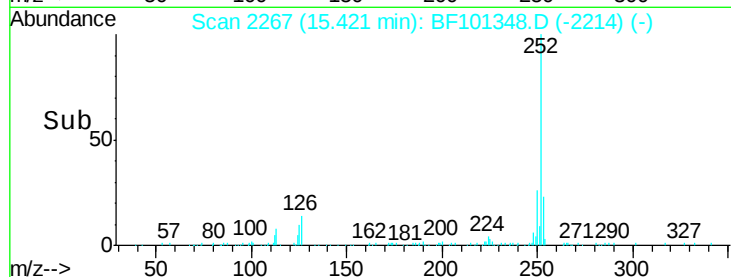
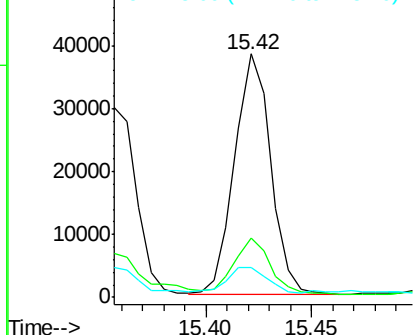
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	12.4	9.8	14.6

Manual Integrations
APPROVED

Sohil
12/13/2017 12:08:09 PM

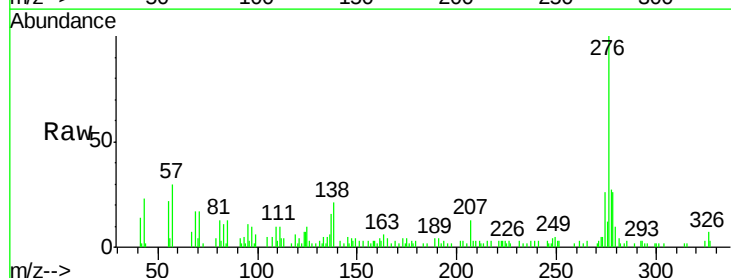


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

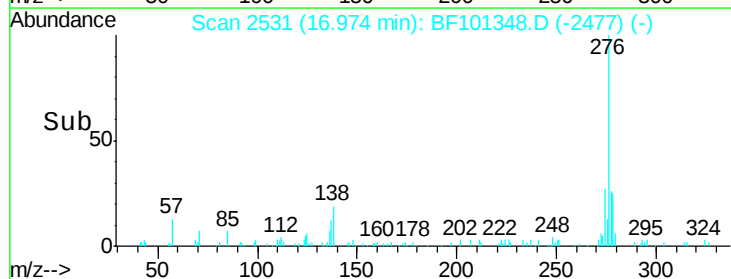
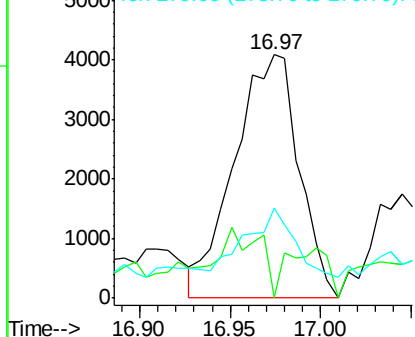


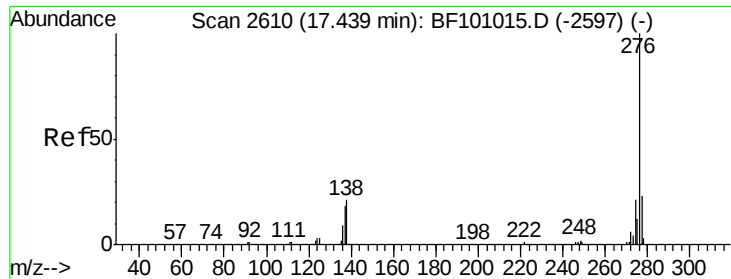
#90
Dibenzo(a,h)anthracene
Concen: 2.680 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.02 min
Lab File: BF101348.D
Acq: 12 Dec 2017 23:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	36.9	19.0	28.4#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





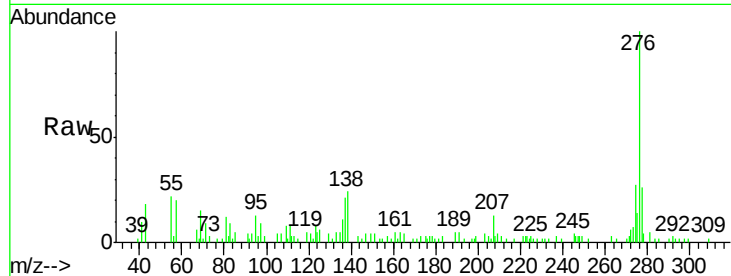
#91
 Benzo(a,h,i)perylene
 Concen: 9.829 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.04 min
 Lab File: BF101348.D
 Acq: 12 Dec 2017 23:35

Instrument :
 BNA_F
 ClientSampleId :
 PHMHC-WC1

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	24.2	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 12/13/2017 12:08:09 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

