

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101716\
 Data File : BF090616.D
 Acq On : 17 Oct 2016 19:12
 Operator : UM/SJ
 Sample : H5264-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEWARK-POMPTON

Manual Integrations
 APPROVED

SOHIL
 10/18/2016 6:05:40 PM

Quant Time: Oct 18 01:19:40 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	173109	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	753322	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	405048	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	573424	20.00	ng	-0.01
75) Chrysene-d12	14.08	240	399775	20.00	ng	-0.01
86) Perylene-d12	15.54	264	467494	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	250224	26.50	ng	-0.01
7) Phenol-d6	6.53	99	354780	25.29	ng	-0.01
23) Nitrobenzene-d5	7.47	82	207485	15.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	60905	16.87	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	356286	14.49	ng	0.00
78) Terphenyl-d14	13.02	244	249686	14.54	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.21	128	266149	6.94	ng	98
37) 2-Methylnaphthalene	8.91	142	105936	4.70	ng	98
51) Acenaphthene	9.98	154	106233	4.37	ng	98
54) Dibenzofuran	10.15	168	98744	3.09	ng	94
57) Fluorene	10.50	166	138942	5.26	ng	100
70) Phenanthrene	11.46	178	681652	22.27	ng	100
71) Anthracene	11.51	178	238934	7.25	ng	99
72) Carbazole	11.67	167	62084	2.11	ng	95
74) Fluoranthene	12.65	202	644071	20.92	ng	90
77) Pyrene	12.87	202	589679	22.27	ng	98
80) Benzo(a)anthracene	14.08	228	266751m	11.72	ng	
82) Chrysene	14.11	228	237455m	10.83	ng	
85) Indeno(1,2,3-cd)pyrene	16.99	276	160766	12.68	ng	# 85
87) Benzo(b)fluoranthene	15.12	252	285138m	9.32	ng	
88) Benzo(k)fluoranthene	15.13	252	178565m	5.43	ng	
89) Benzo(a)pyrene	15.48	252	263309	9.40	ng	95
91) Benzo(a,h,i)perylene	17.42	276	159058	7.81	ng	93

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

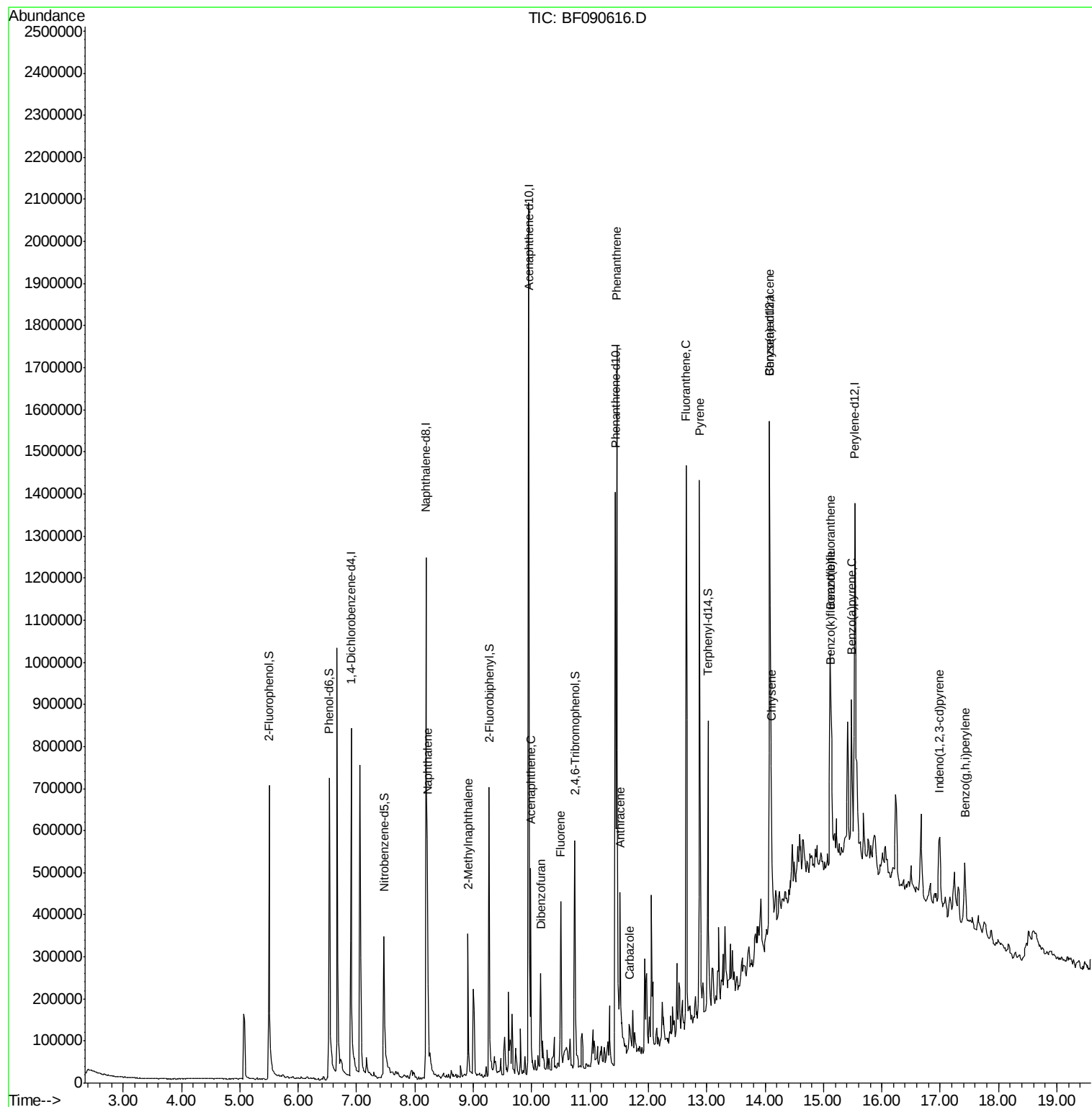
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101716\
Data File : BF090616.D
Acq On : 17 Oct 2016 19:12
Operator : UM/SJ
Sample : H5264-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NEWARK-POMPTON

Manual Integrations
APPROVED

SOHIL
10/18/2016 6:05:40 PM

Quant Time: Oct 18 01:19:40 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 17 19:19:58 2016
Response via : Initial Calibration





#1

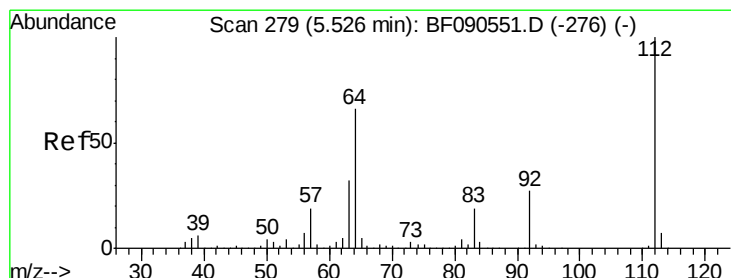
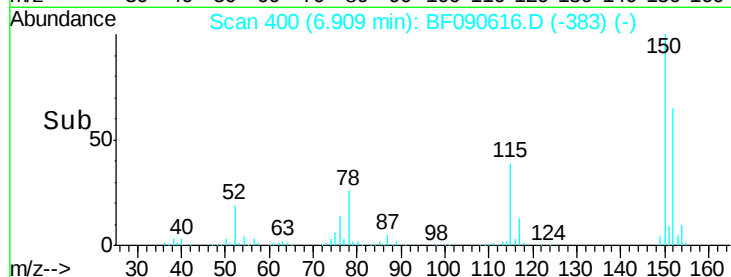
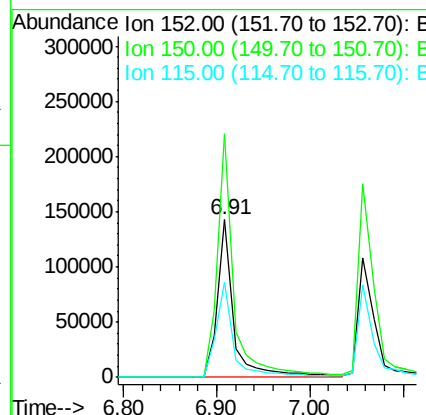
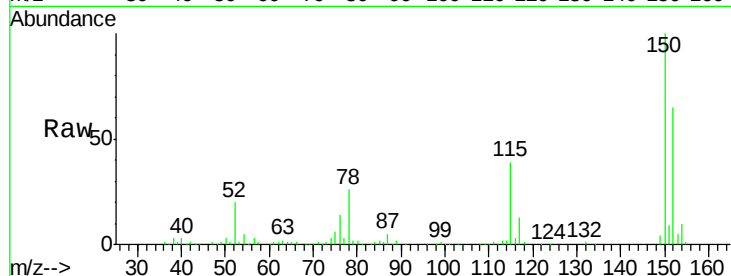
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 400
Delta R.T. -0.00 min
Lab File: BF090616.D
Acq: 17 Oct 2016 19:12

Instrument :
BNA_F
ClientSampleId :
NEWARK-POMPTON

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	127.2	190.8
115	60.2	58.6	88.0

Manual Integrations
APPROVED

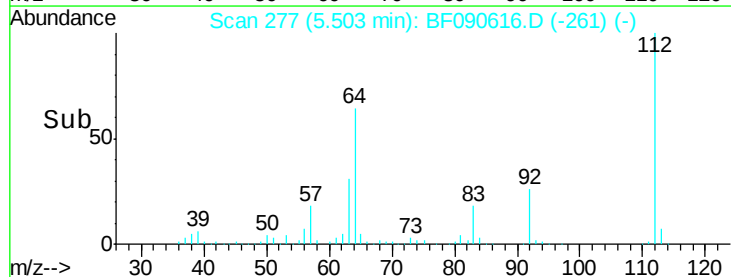
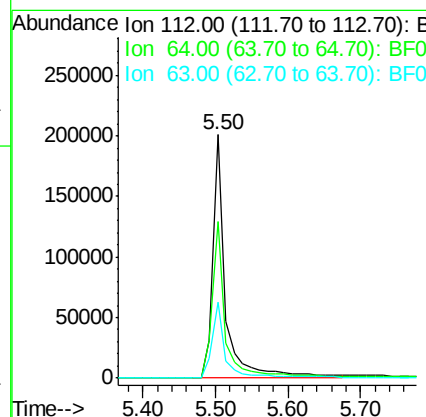
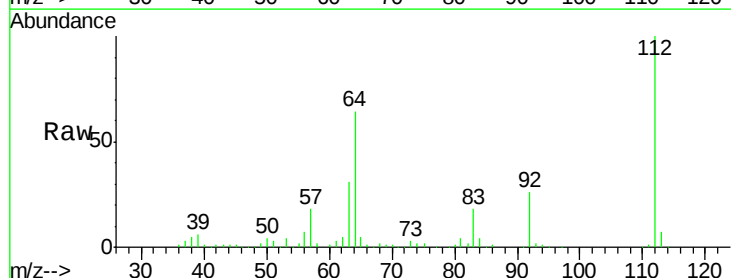
SOHIL
10/18/2016 6:05:40 PM

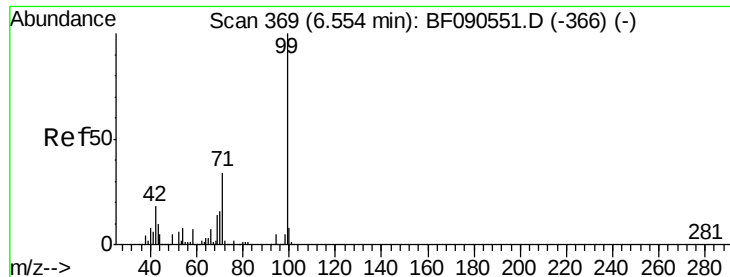


#5

2-Fluorophenol
Concen: 26.50 ng
RT: 5.50 min Scan# 277
Delta R.T. -0.01 min
Lab File: BF090616.D
Acq: 17 Oct 2016 19:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	52.6	78.8
63	31.0	26.0	39.0





#7

Phenol-d6

Concen: 25.29 ng

RT: 6.53 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF090616.D

Acq: 17 Oct 2016 19:12

Instrument :

BNA_F

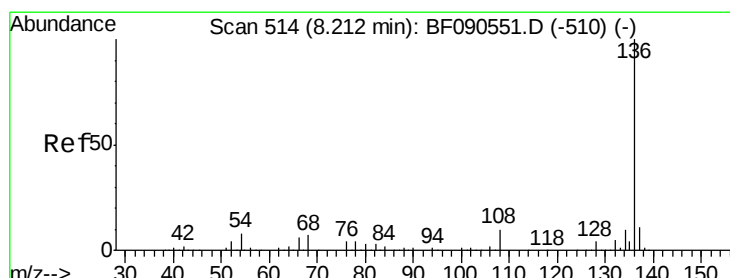
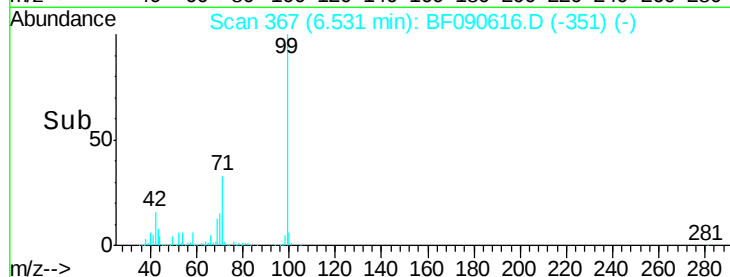
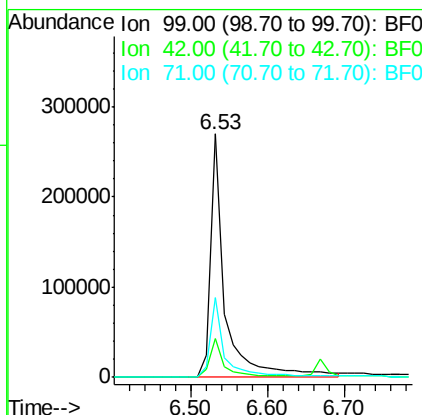
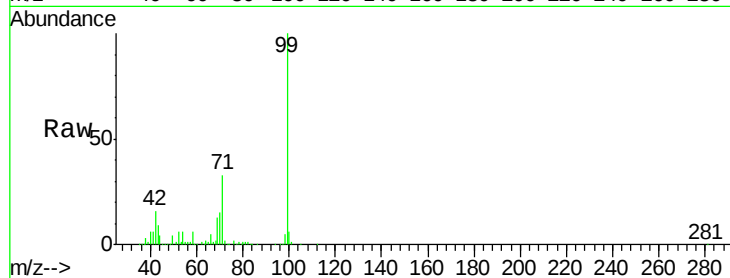
ClientSampleId :

NEWARK-POMPTON

Tot Ion:	99	Resp:	354780
Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.7	22.1
71	32.6	27.6	41.4

Manual Integrations
APPROVED

SOHIL
10/18/2016 6:05:40 PM



#21

Naphthalene-d8

Concen: 20.00 ng

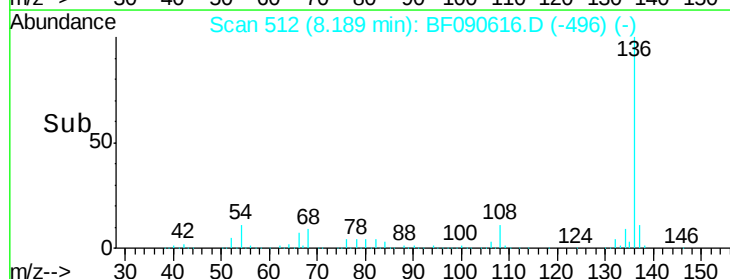
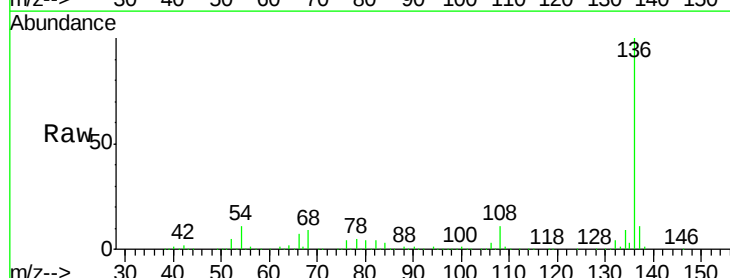
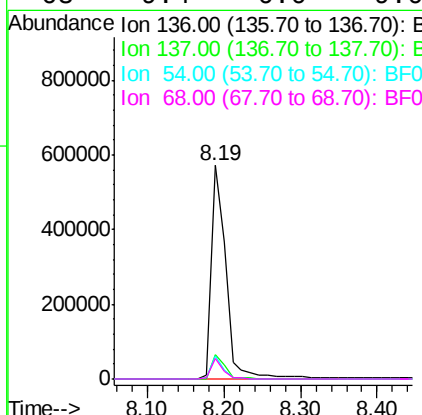
RT: 8.19 min Scan# 512

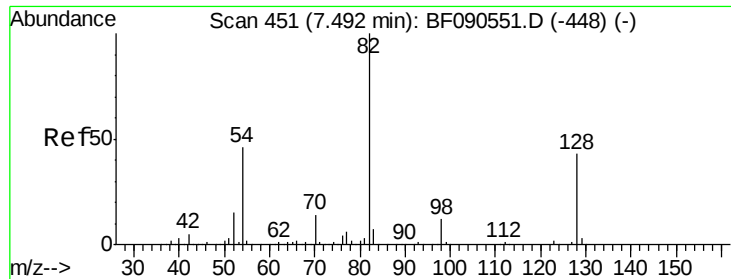
Delta R.T. -0.01 min

Lab File: BF090616.D

Acq: 17 Oct 2016 19:12

Tgt Ion:	136	Resp:	753322
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	10.8	6.8	10.2#
68	9.4	6.0	9.0#





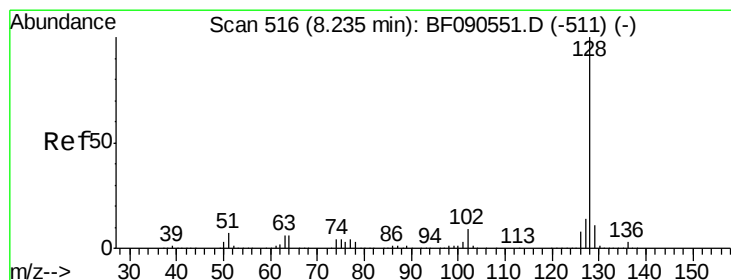
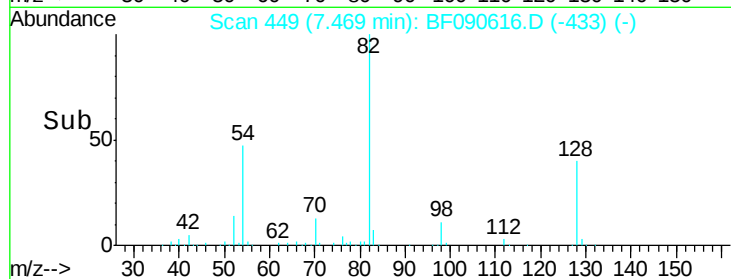
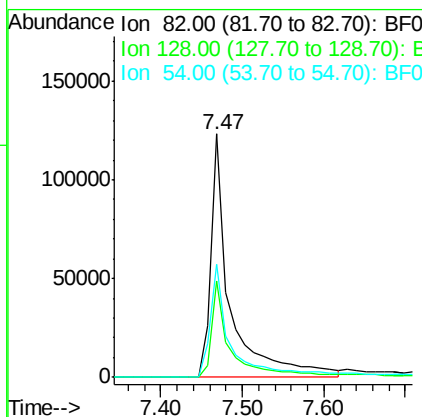
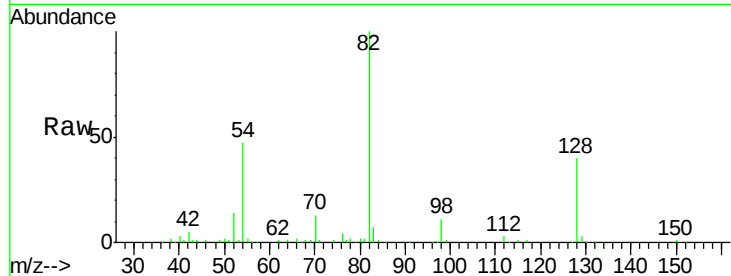
#23
 Nitrobenzene-d5
 Concen: 15.30 ng
 RT: 7.47 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: BF090616.D
 Acq: 17 Oct 2016 19:12

Instrument :
 BNA_F
 ClientSampleId :
 NEWARK-POMPTON

Tot Ion	82	Resp	207485
Ion Ratio	100	Lower	Upper
82	100		
128	39.8	34.3	51.5
54	46.6	37.0	55.6

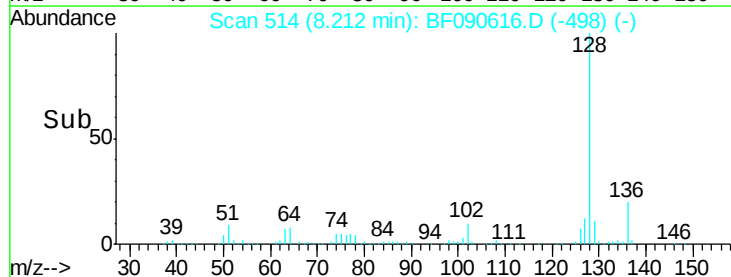
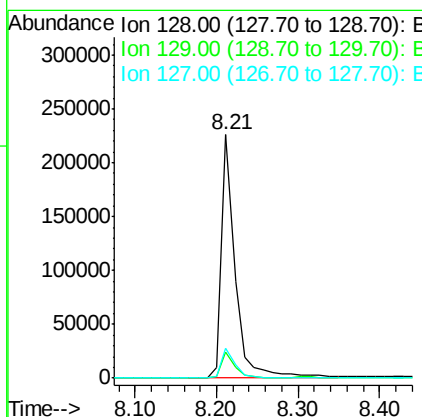
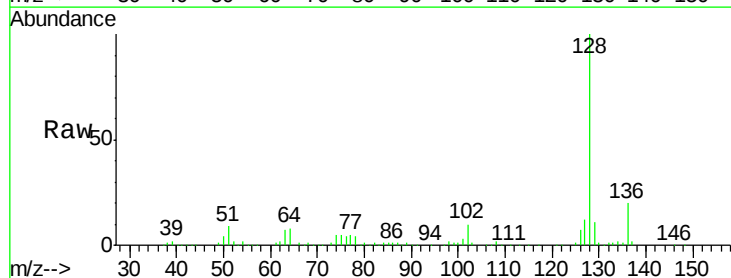
Manual Integrations
 APPROVED

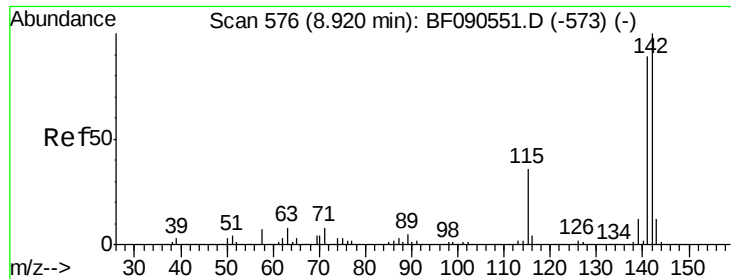
SOHIL
 10/18/2016 6:05:40 PM



#31
 Naphthalene
 Concen: 6.94 ng
 RT: 8.21 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: BF090616.D
 Acq: 17 Oct 2016 19:12

Tgt Ion	128	Resp	266149
Ion Ratio	100	Lower	Upper
128	100		
129	10.7	9.0	13.6
127	12.4	10.8	16.2





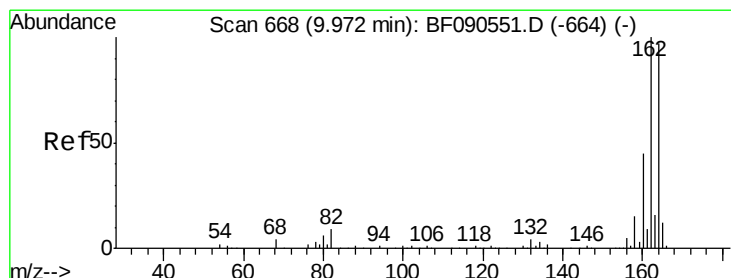
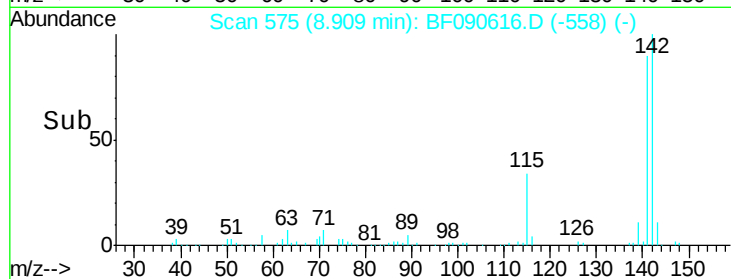
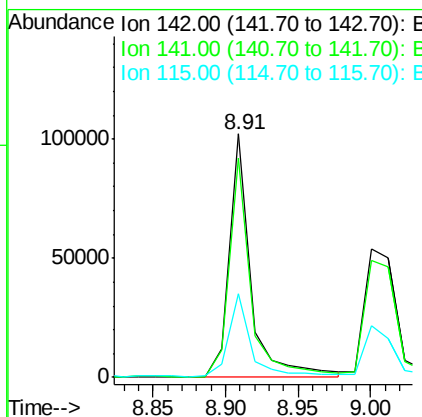
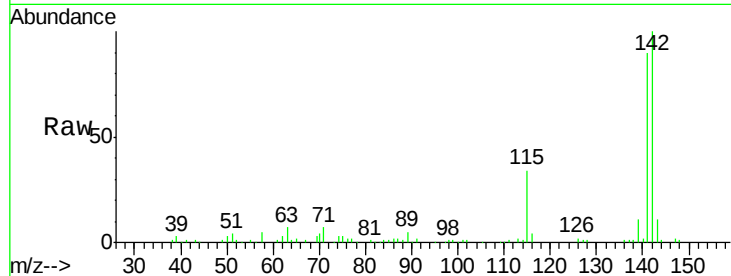
#37
2-Methylnaphthalene
Concen: 4.70 ng
RT: 8.91 min Scan# 575
Delta R.T. -0.00 min
Lab File: BF090616.D
Acq: 17 Oct 2016 19:12

Instrument :
BNA_F
ClientSampleId :
NEWARK-POMPTON

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.3	106.9
115	34.3	28.8	43.2

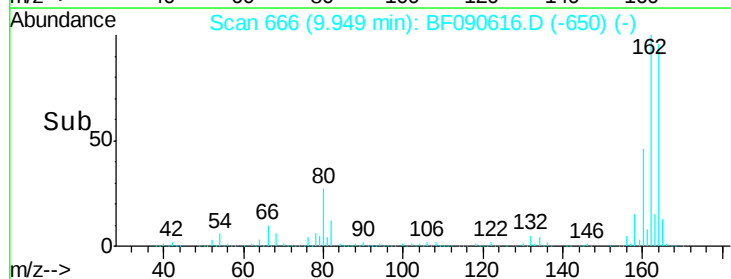
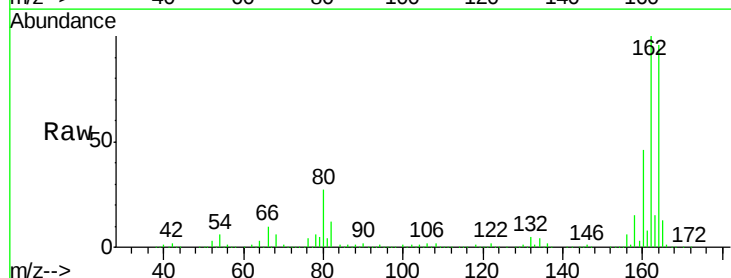
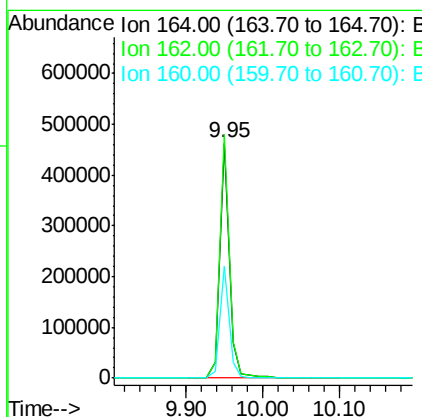
Manual Integrations
APPROVED

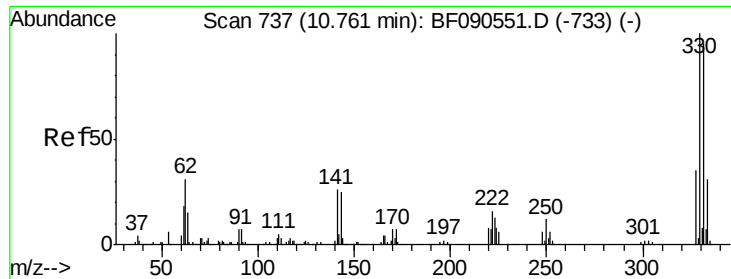
SOHIL
10/18/2016 6:05:40 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF090616.D
Acq: 17 Oct 2016 19:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.2	123.4
160	47.6	36.6	55.0





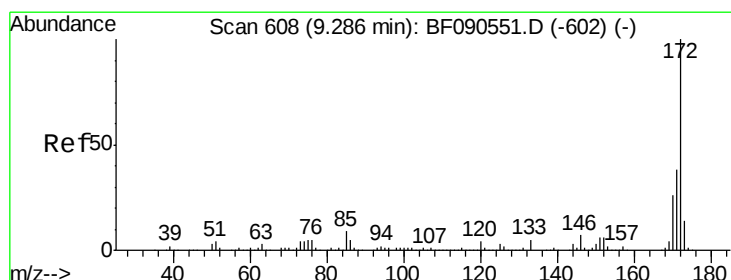
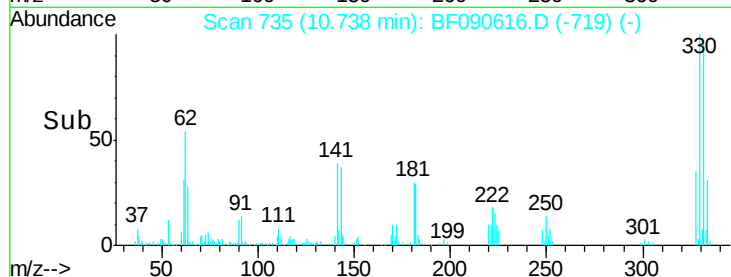
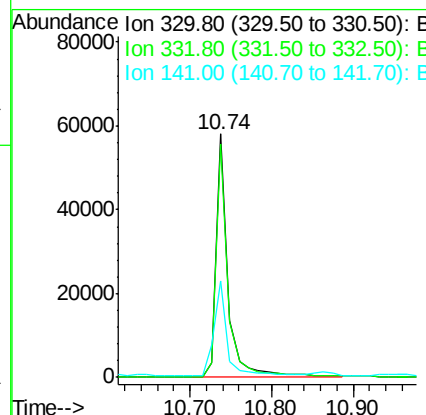
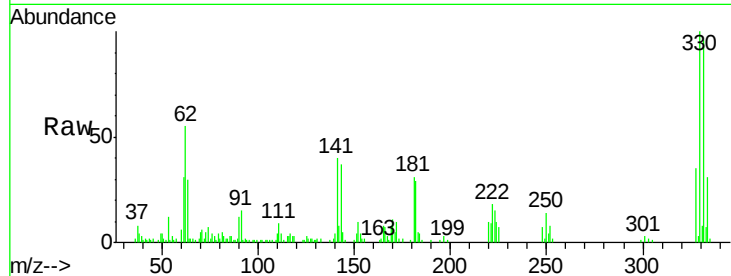
#41
 2,4,6-Tribromophenol
 Concen: 16.87 ng
 RT: 10.74 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: BF090616.D
 Acq: 17 Oct 2016 19:12

Instrument :
 BNA_F
 ClientSampleId :
 NEWARK-POMPTON

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.2	114.2
141	43.0	31.4	47.2

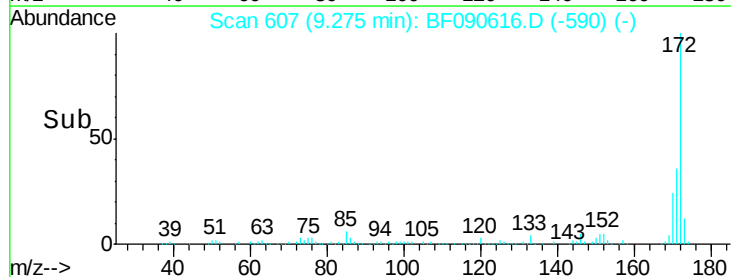
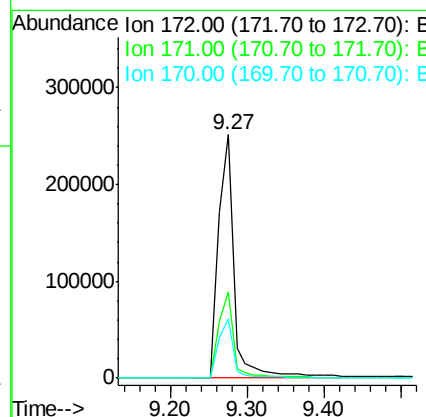
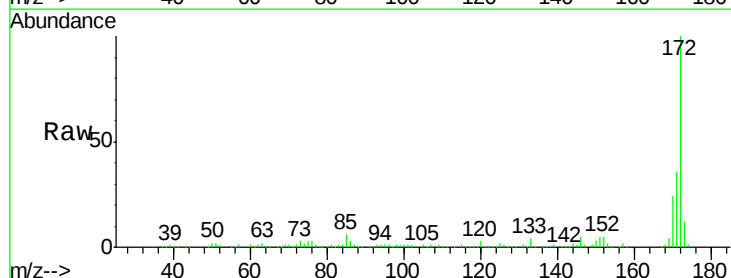
Manual Integrations
 APPROVED

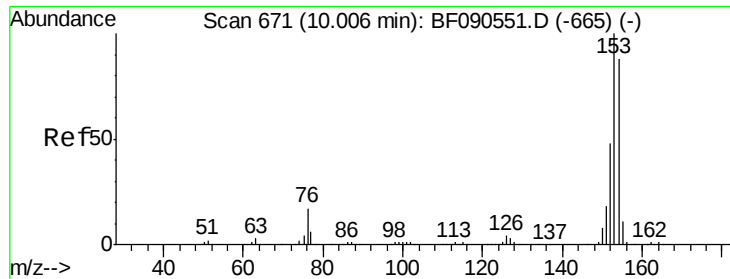
SOHIL
 10/18/2016 6:05:40 PM



#44
 2-Fluorobiphenyl
 Concen: 14.49 ng
 RT: 9.27 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: BF090616.D
 Acq: 17 Oct 2016 19:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.1	45.1
170	24.2	20.6	30.8





#51

Acenaphthene

Concen: 4.37 ng

RT: 9.98 min Scan# 669

Delta R.T. -0.01 min

Lab File: BF090616.D

Acq: 17 Oct 2016 19:12

Instrument :

BNA_F

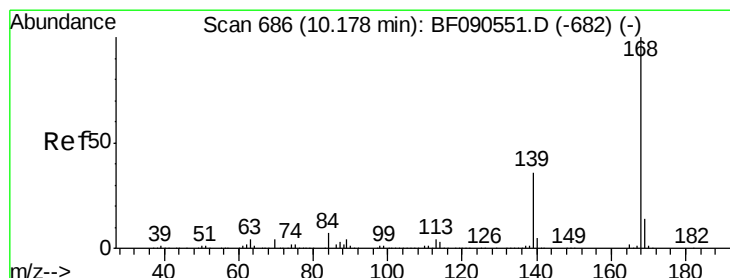
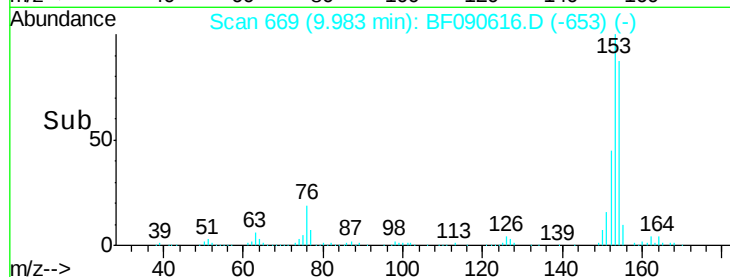
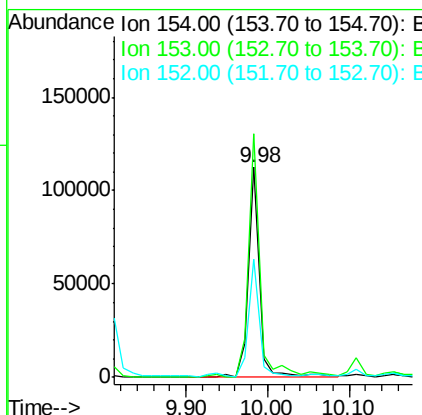
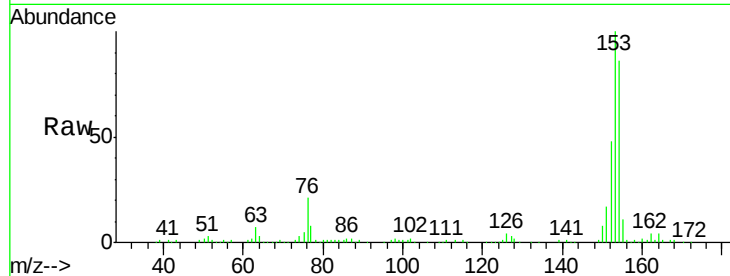
ClientSampleId :

NEWARK-POMPTON

Tot Ion:	154	Resp:	106233
Ion Ratio	Lower	Upper	
154	100		
153	115.9	91.2	136.8
152	56.2	44.0	66.0

Manual Integrations
APPROVED

SOHIL
10/18/2016 6:05:40 PM



#54

Dibenzofuran

Concen: 3.09 ng

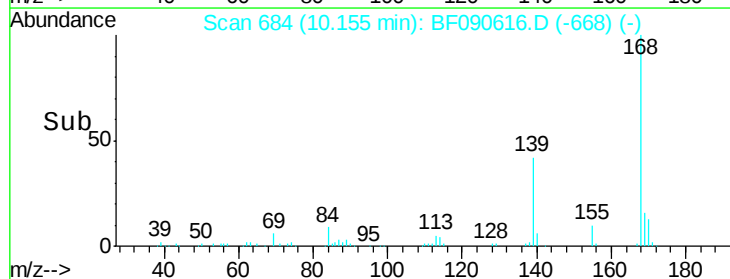
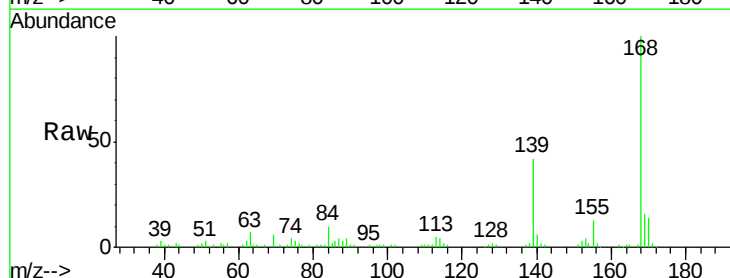
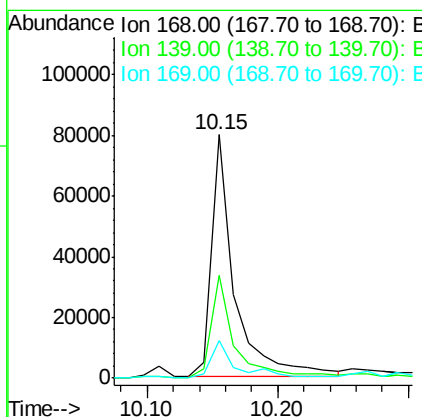
RT: 10.15 min Scan# 684

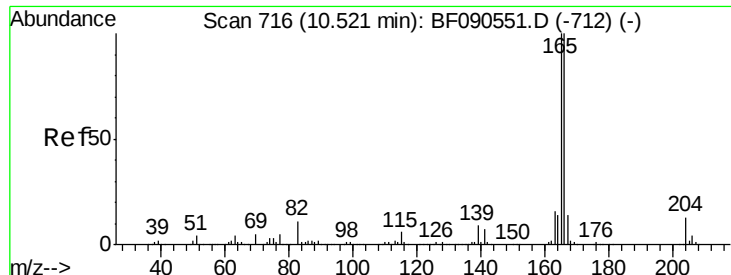
Delta R.T. -0.01 min

Lab File: BF090616.D

Acq: 17 Oct 2016 19:12

Tgt Ion:	168	Resp:	98744
Ion Ratio	Lower	Upper	
168	100		
139	42.1	30.5	45.7
169	15.7	10.9	16.3





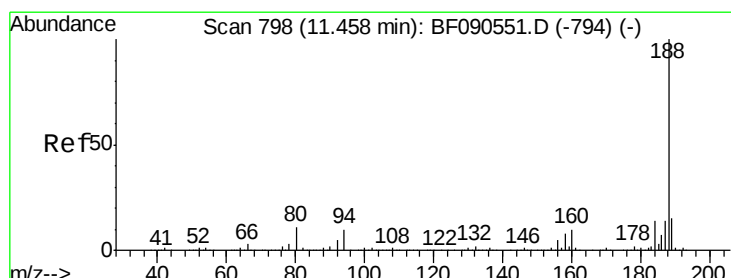
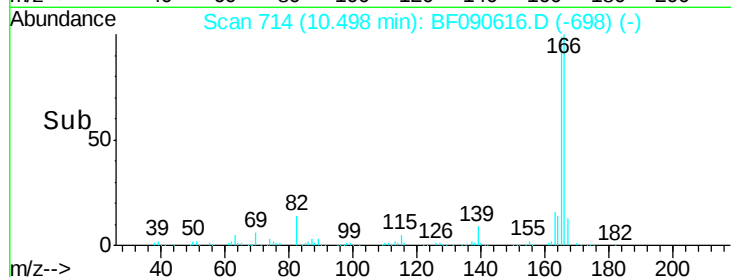
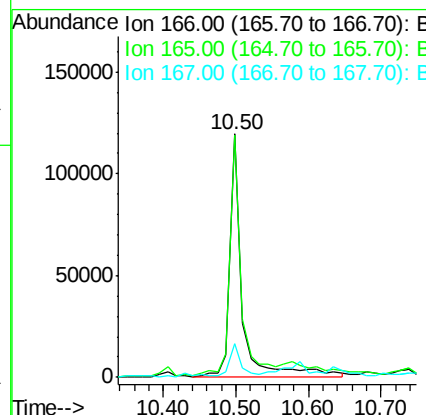
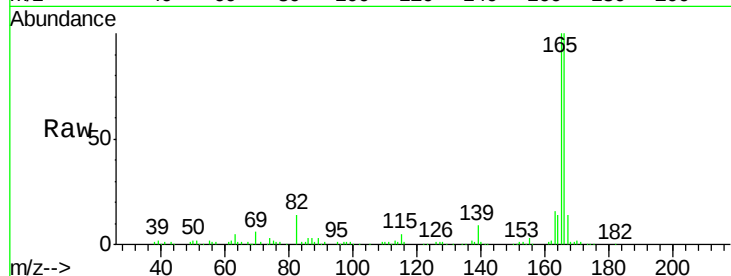
#57
Fluorene
Concen: 5.26 ng
RT: 10.50 min Scan# 714
Delta R.T. -0.01 min
Lab File: BF090616.D
Acq: 17 Oct 2016 19:12

Instrument :
BNA_F
ClientSampleId :
NEWARK-POMPTON

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.7	79.9	119.9	
167	13.7	10.9	16.3	

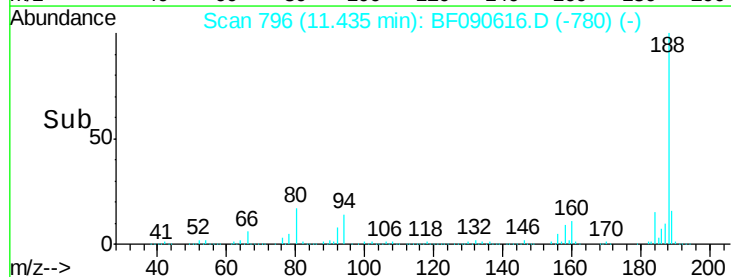
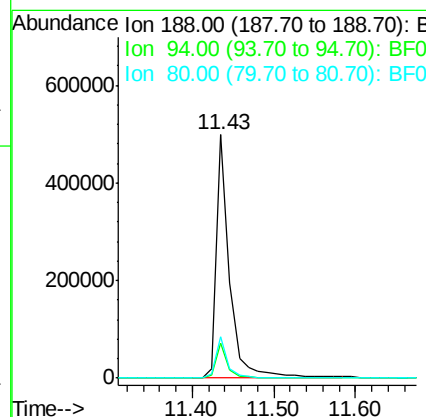
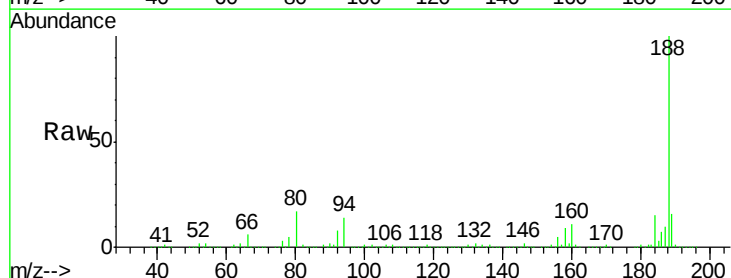
Manual Integrations
APPROVED

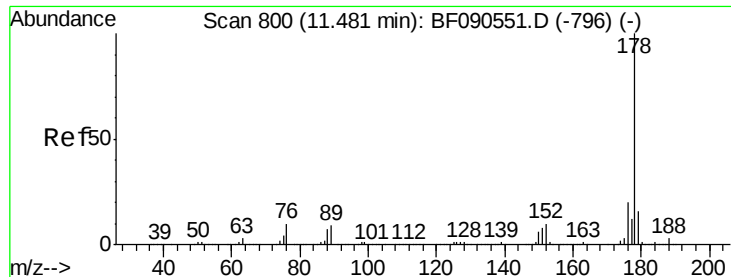
SOHIL
10/18/2016 6:05:40 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF090616.D
Acq: 17 Oct 2016 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	14.5	7.7	11.5#	
80	16.7	8.6	12.8#	





#70

Phenanthrene

Concen: 22.27 ng

RT: 11.46 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF090616.D

Acq: 17 Oct 2016 19:12

Instrument :

BNA_F

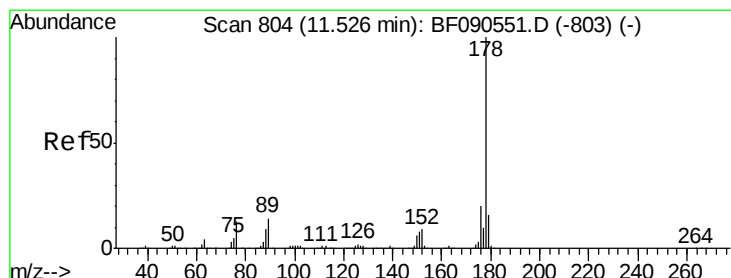
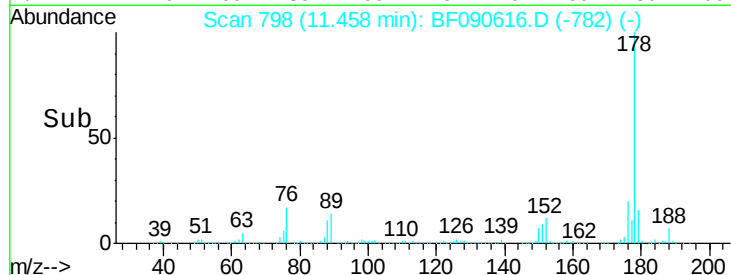
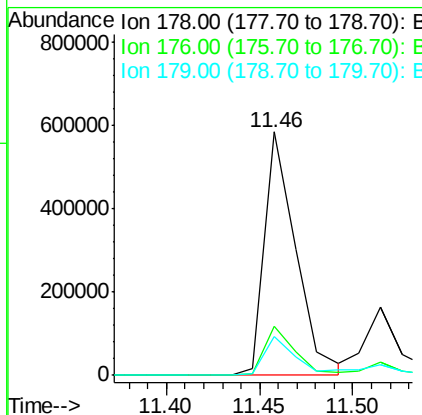
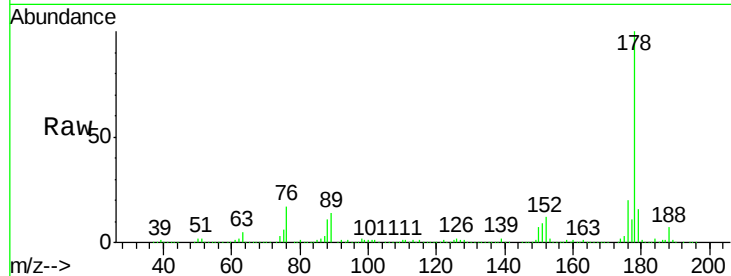
ClientSampleId :

NEWARK-POMPTON

Tot Ion:	178	Resp:	681652
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.1	24.1
179	15.9	12.6	19.0

Manual Integrations
APPROVED

SOHIL
10/18/2016 6:05:40 PM



#71

Anthracene

Concen: 7.25 ng

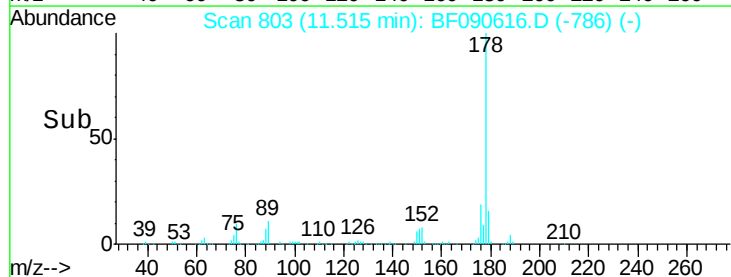
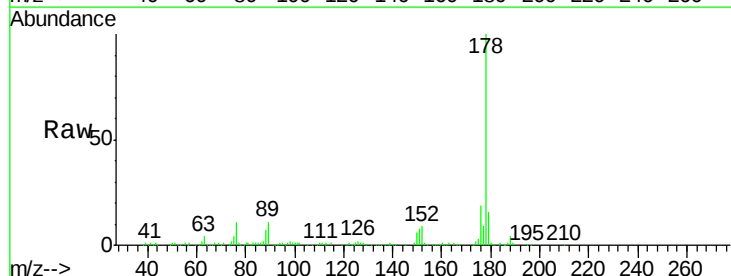
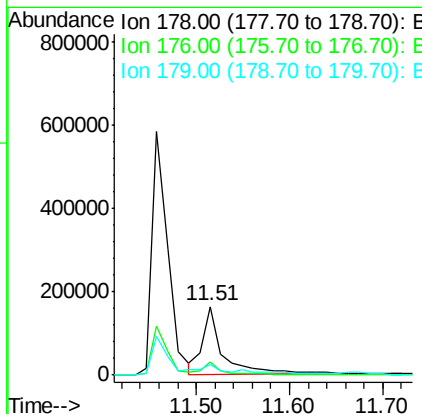
RT: 11.51 min Scan# 803

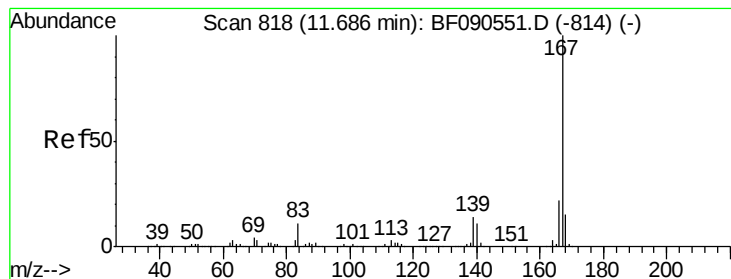
Delta R.T. -0.00 min

Lab File: BF090616.D

Acq: 17 Oct 2016 19:12

Tgt Ion:	178	Resp:	238934
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.5	23.3
179	16.1	13.0	19.4





#72

Carbazole

Concen: 2.11 ng

RT: 11.67 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF090616.D

Acq: 17 Oct 2016 19:12

Instrument :

BNA_F

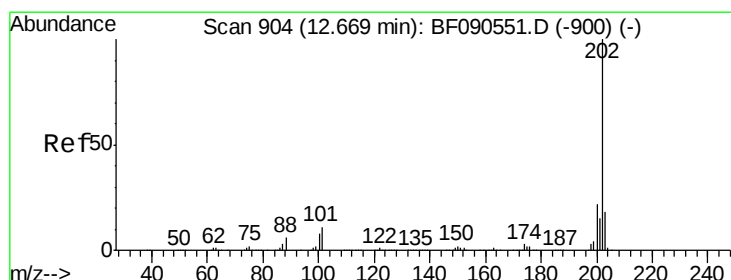
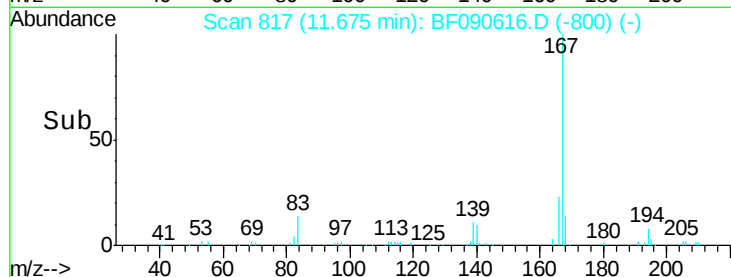
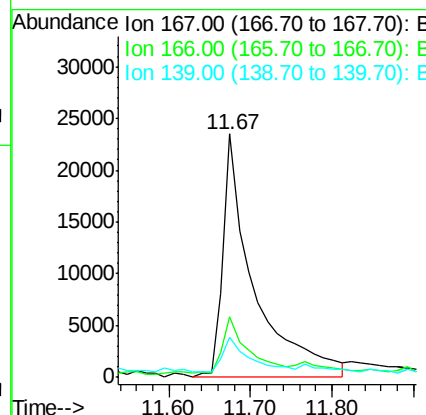
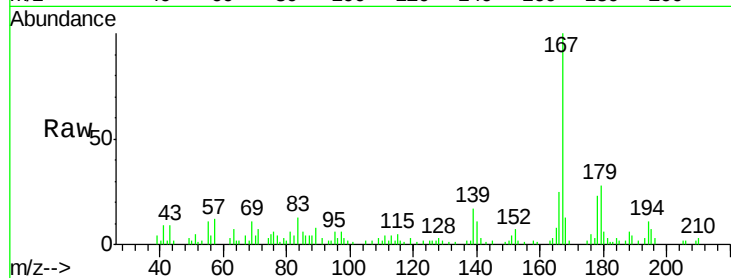
ClientSampleId :

NEWARK-POMPTON

Tot Ion	Ratio	Lower	Upper
167	100		
166	24.6	17.8	26.8
139	16.7	11.3	16.9

Manual Integrations
APPROVED

SOHIL
10/18/2016 6:05:40 PM



#74

Fluoranthene

Concen: 20.92 ng

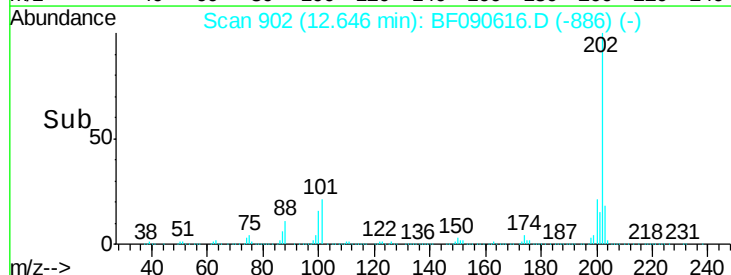
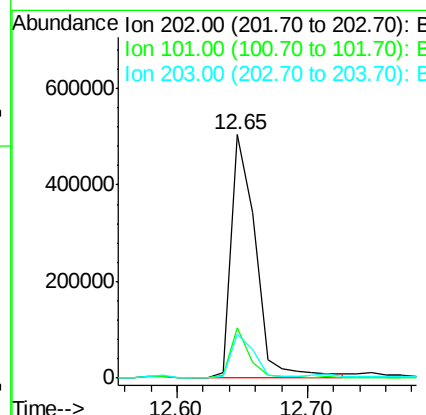
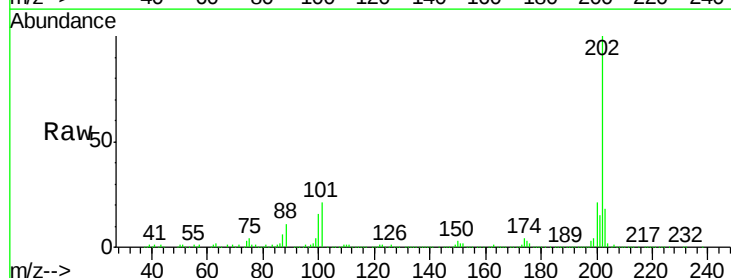
RT: 12.65 min Scan# 902

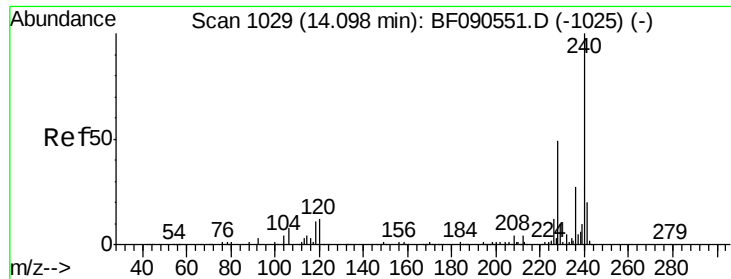
Delta R.T. -0.01 min

Lab File: BF090616.D

Acq: 17 Oct 2016 19:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	20.8	0.0	31.1
203	18.1	0.0	38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF090616.D

Acq: 17 Oct 2016 19:12

Instrument :

BNA_F

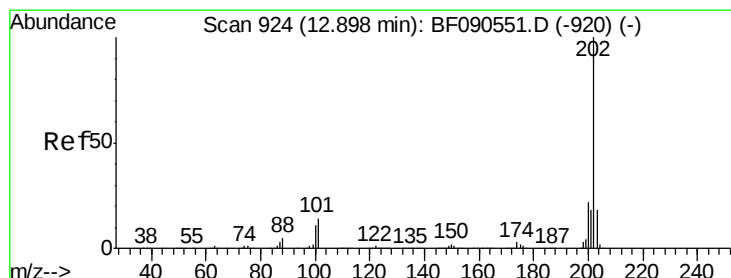
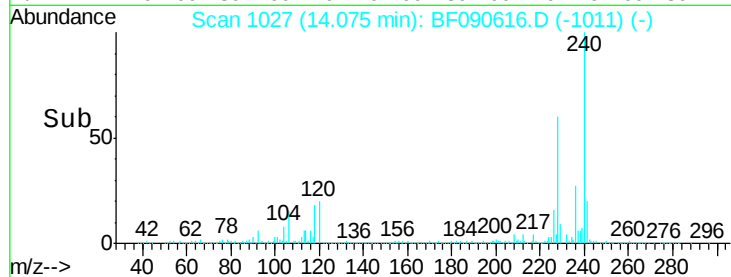
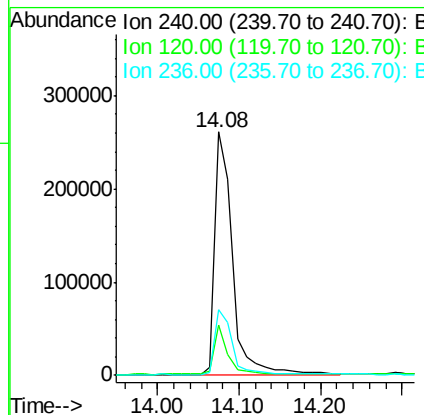
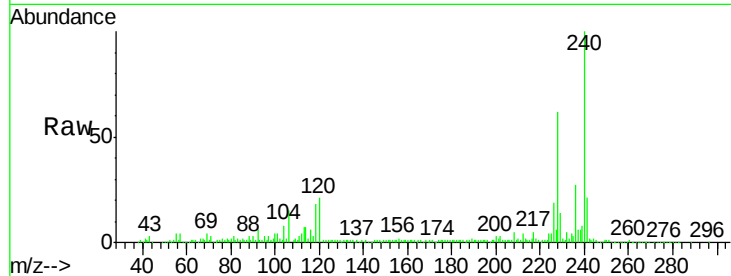
ClientSampleId :

NEWARK-POMPTON

Tot Ion	Ratio	Lower	Upper
240	100		
120	20.5	9.8	14.8#
236	27.2	21.7	32.5

Manual Integrations
APPROVED

SOHIL
10/18/2016 6:05:40 PM



#77

Pyrene

Concen: 22.27 ng

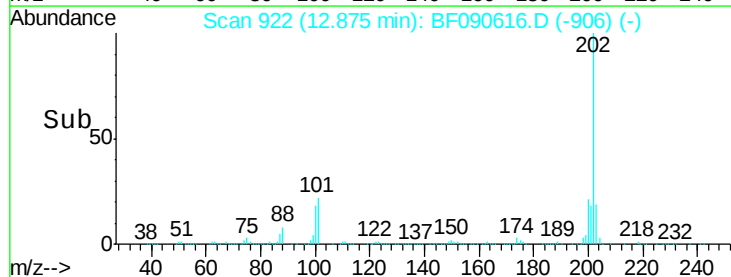
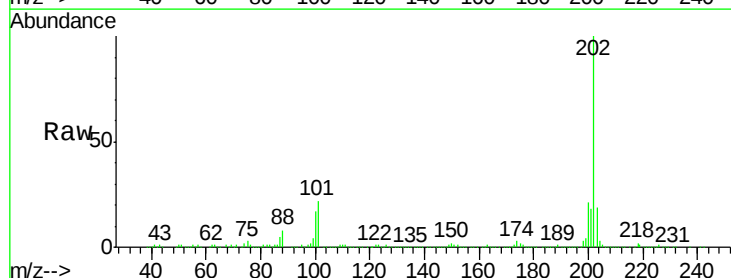
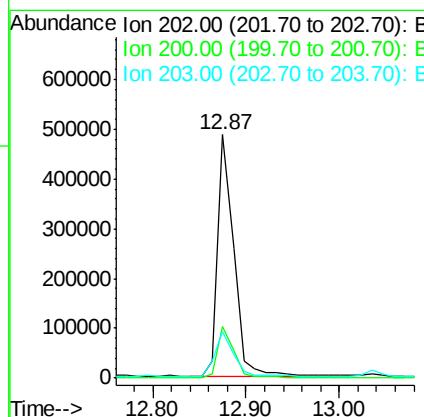
RT: 12.87 min Scan# 922

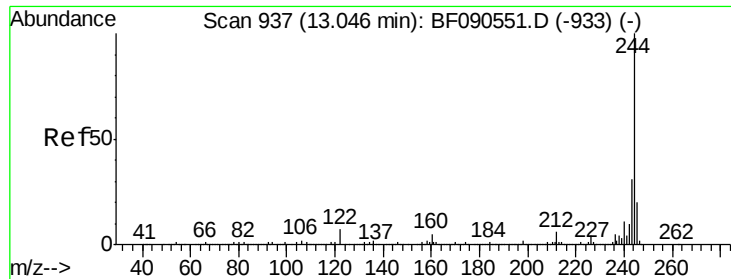
Delta R.T. -0.01 min

Lab File: BF090616.D

Acq: 17 Oct 2016 19:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.8	26.6
203	19.1	14.6	21.8





#78

Terphenyl-d14

Concen: 14.54 ng

RT: 13.02 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF090616.D

Acq: 17 Oct 2016 19:12

Instrument :

BNA_F

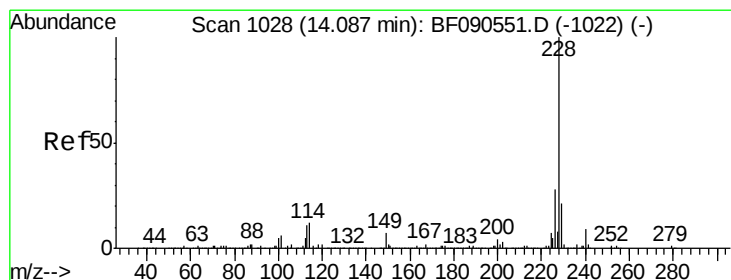
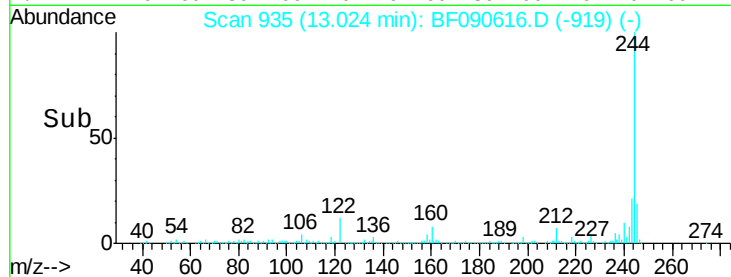
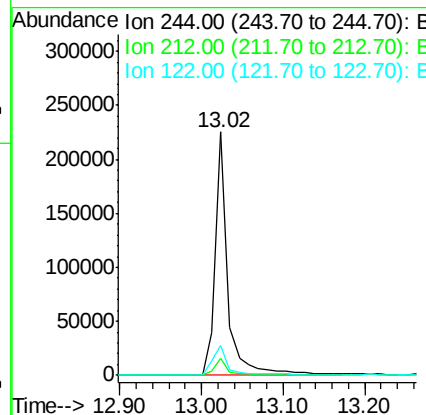
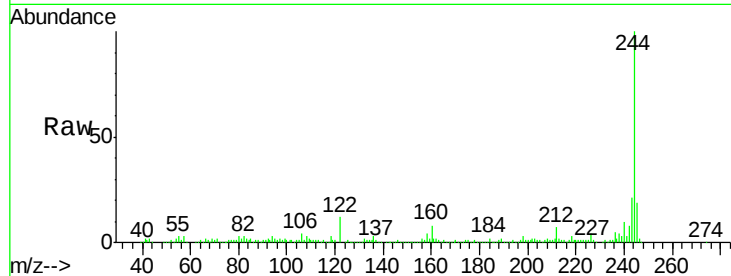
ClientSampleId :

NEWARK-POMPTON

Tot Ion:	244	Resp:	249686
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.0	7.4
122	12.3	5.6	8.4#

Manual Integrations
APPROVED

SOHIL
10/18/2016 6:05:40 PM



#80

Benzo(a)anthracene

Concen: 11.72 ng m

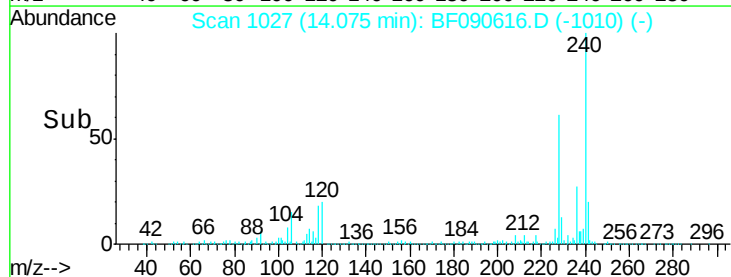
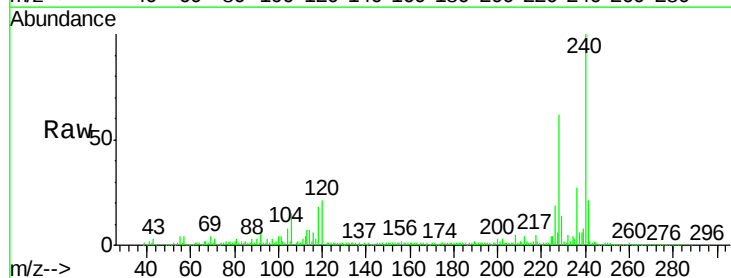
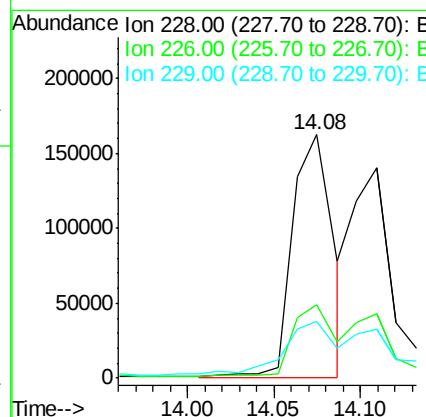
RT: 14.08 min Scan# 1027

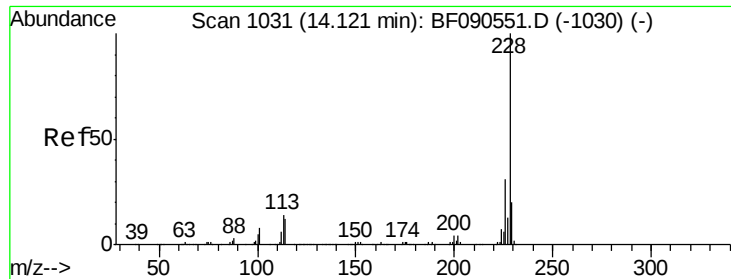
Delta R.T. -0.00 min

Lab File: BF090616.D

Acq: 17 Oct 2016 19:12

Tgt Ion:	228	Resp:	266751
Ion Ratio	Lower	Upper	
228	100		
226	30.2	22.8	34.2
229	23.2	16.6	25.0





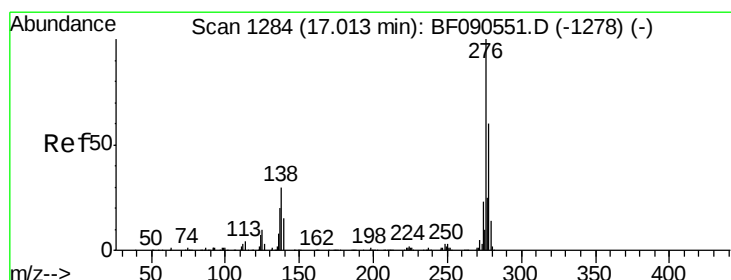
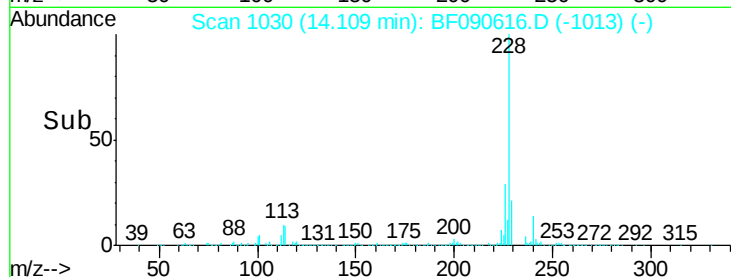
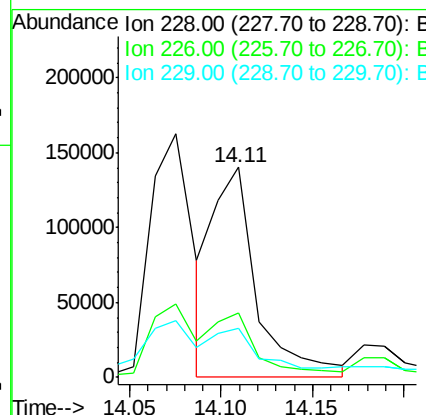
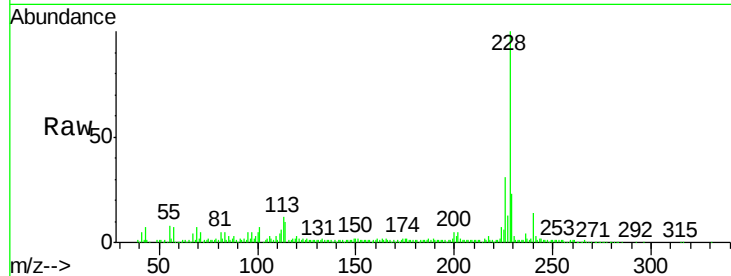
#82
Chrysene
Concen: 10.83 ng m
RT: 14.11 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF090616.D
Acq: 17 Oct 2016 19:12

Instrument :
BNA_F
ClientSampleId :
NEWARK-POMPTON

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.8	37.2
229	23.4	16.2	24.4

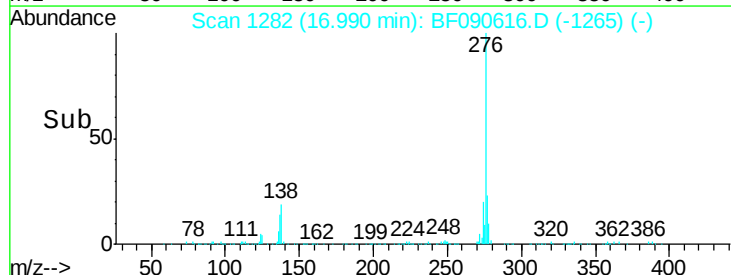
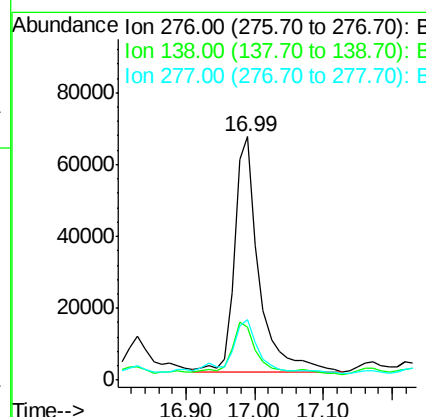
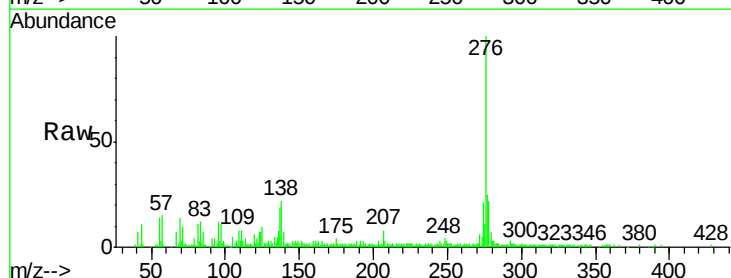
Manual Integrations
APPROVED

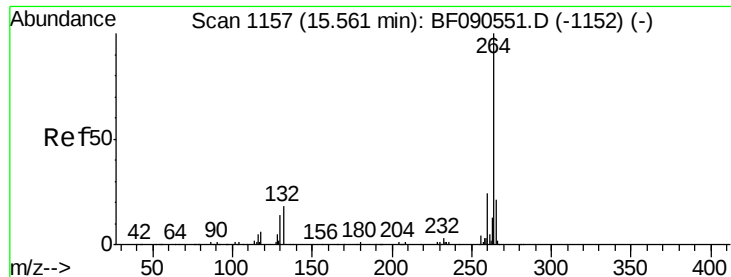
SOHIL
10/18/2016 6:05:40 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 12.68 ng
RT: 16.99 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BF090616.D
Acq: 17 Oct 2016 19:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	25.8	38.6#
277	28.5	20.1	30.1





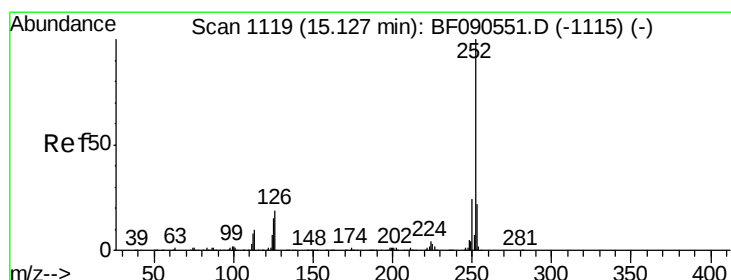
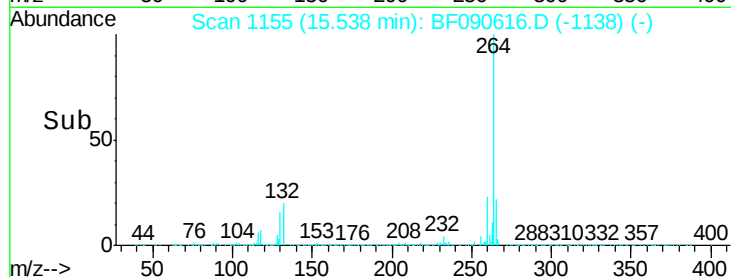
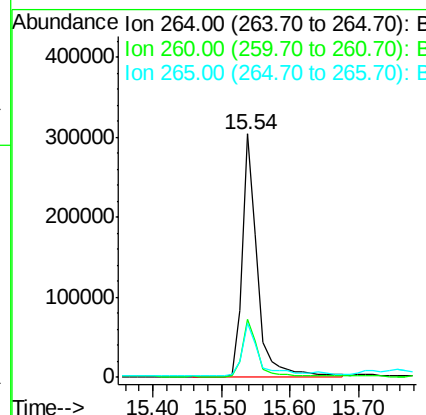
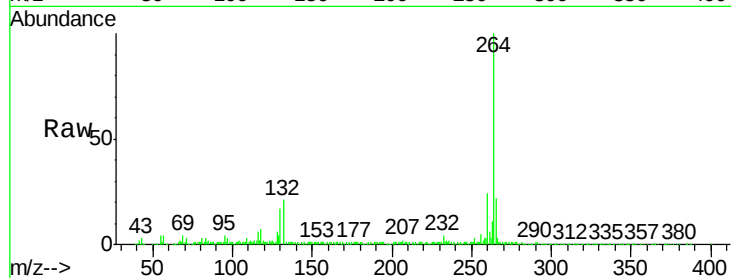
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF090616.D
Acq: 17 Oct 2016 19:12

Instrument :
BNA_F
ClientSampleId :
NEWARK-POMPTON

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.3	28.9
265	22.2	16.7	25.1

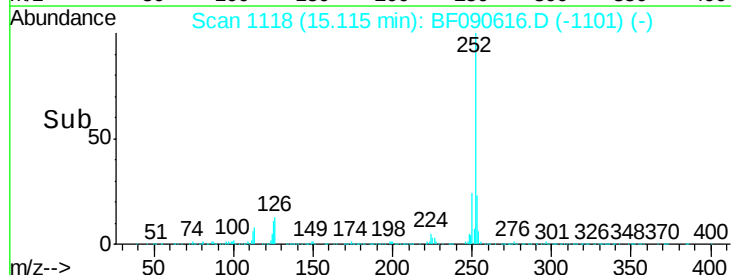
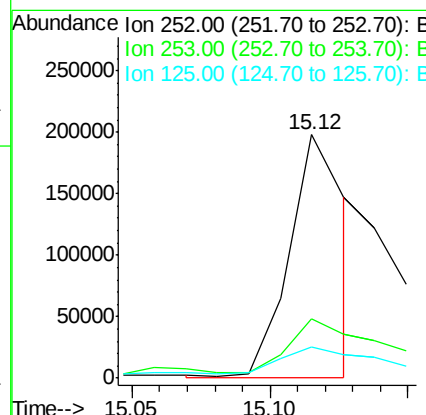
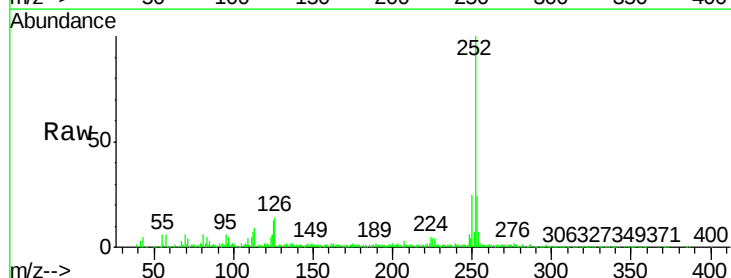
Manual Integrations
APPROVED

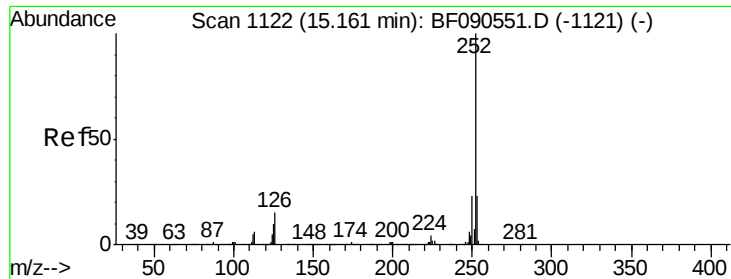
SOHIL
10/18/2016 6:05:40 PM



#87
Benzo(b)fluoranthene
Concen: 9.32 ng m
RT: 15.12 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BF090616.D
Acq: 17 Oct 2016 19:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.8
125	12.9	12.0	18.0





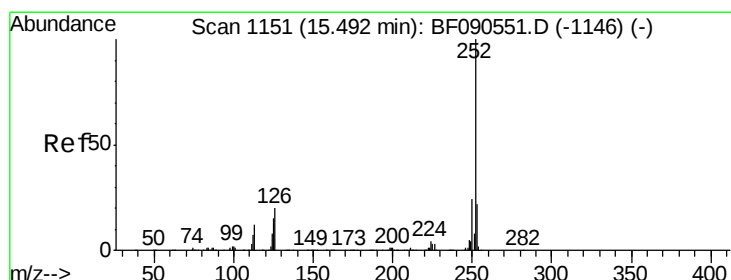
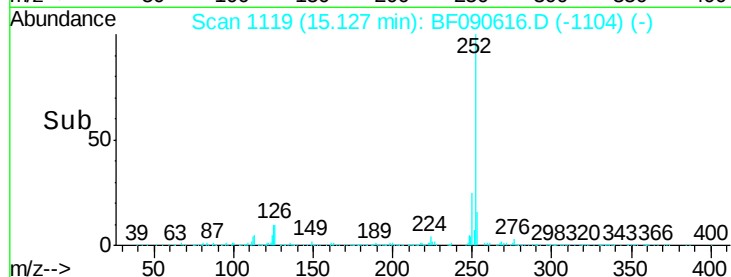
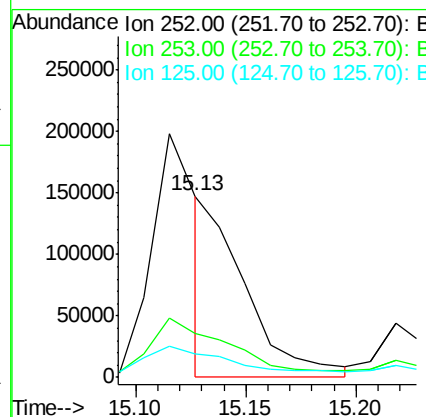
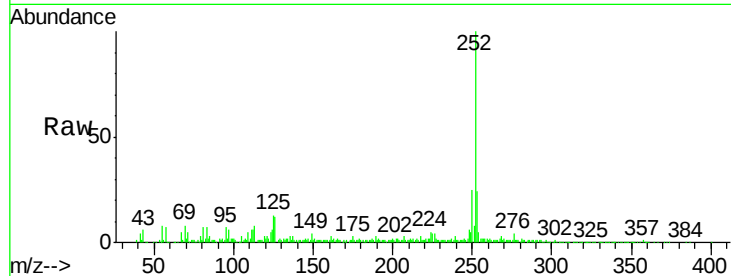
#88
Benzo(k)fluoranthene
Concen: 5.43 ng m
RT: 15.13 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF090616.D
Acq: 17 Oct 2016 19:12

Instrument :
BNA_F
ClientSampleId :
NEWARK-POMPTON

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	12.9	10.0	15.0

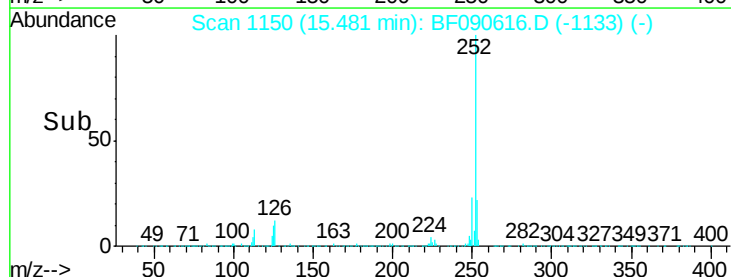
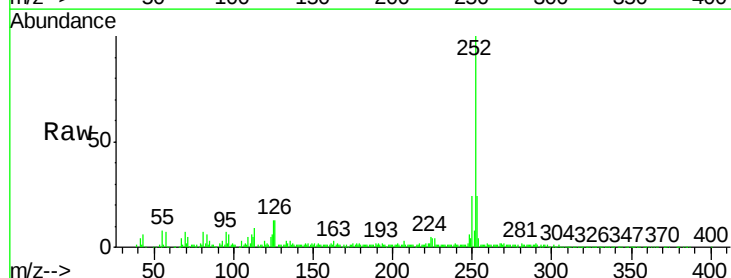
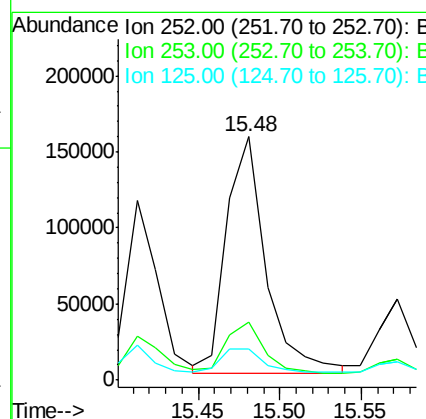
Manual Integrations
APPROVED

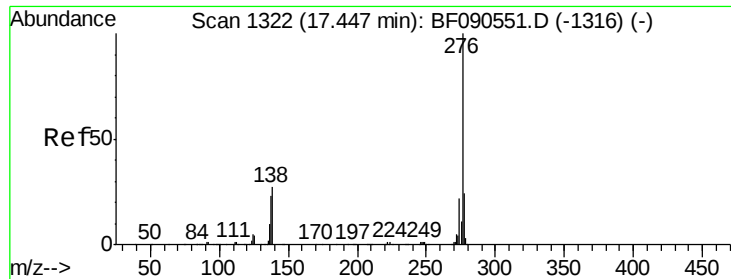
SOHIL
10/18/2016 6:05:40 PM



#89
Benzo(a)pyrene
Concen: 9.40 ng
RT: 15.48 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BF090616.D
Acq: 17 Oct 2016 19:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	12.6	12.3	18.5





#91
 Benzo(a,h,i)perylene
 Concen: 7.81 ng
 RT: 17.42 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: BF090616.D
 Acq: 17 Oct 2016 19:12

Instrument :
 BNA_F
 ClientSampleId :
 NEWARK-POMPTON

Tot Ion:	276	Resp:	159058
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.8	28.2
138	22.3	21.8	32.8

Manual Integrations
 APPROVED

SOHIL
 10/18/2016 6:05:40 PM

