

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\
 Data File : BF088128.D
 Acq On : 18 Jun 2016 12:21
 Operator : UM/SJ
 Sample : H3501-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS1-0-6

Manual Integrations
 APPROVED

sohil
 6/20/2016 6:56:51 PM

Quant Time: Jun 20 13:16:43 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 17 16:09:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	108827	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	393371	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	170181	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	270517	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	171381	20.00	ng	-0.01
86) Perylene-d12	15.22	264	158168	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	710576	111.62	ng	0.01
7) Phenol-d6	6.35	99	986800	127.91	ng	0.00
23) Nitrobenzene-d5	7.26	82	555467	82.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	179997	100.17	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	872021	80.18	ng	-0.02
78) Terphenyl-d14	12.79	244	552074	73.30	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	7.74	122	9160	2.58	ng	94
49) Dimethylphthalate	9.45	163	129092	10.47	ng	98
70) Phenanthrene	11.22	178	37716	2.66	ng	97
74) Fluoranthene	12.41	202	89541	5.98	ng	93
77) Pyrene	12.64	202	85159m	6.70	ng	
79) Butylbenzylphthalate	13.27	149	196758	34.99	ng	98
80) Benzo(a)anthracene	13.83	228	35465	3.63	ng	# 87
82) Chrysene	13.86	228	41055m	4.47	ng	
83) Bis(2-ethylhexyl)phthalate	13.83	149	94160	13.76	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.54	276	27852	3.26	ng	# 100
87) Benzo(b)fluoranthene	14.85	252	64971m	5.89	ng	
88) Benzo(k)fluoranthene	14.86	252	22579m	2.72	ng	
91) Benzo(a,h,i)perylene	16.93	276	31831	3.74	ng	# 91

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

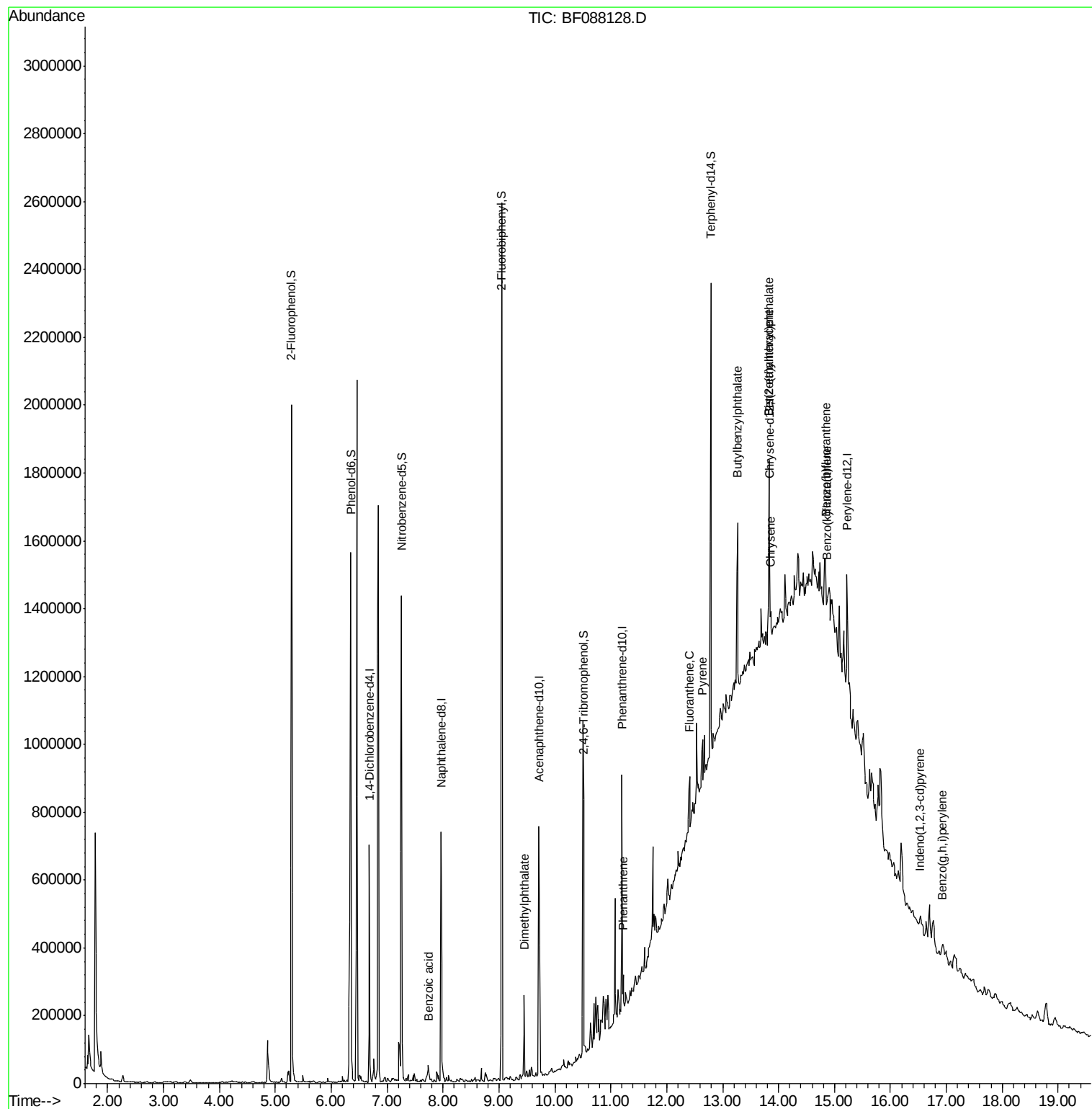
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061816\
Data File : BF088128.D
Acq On : 18 Jun 2016 12:21
Operator : UM/SJ
Sample : H3501-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

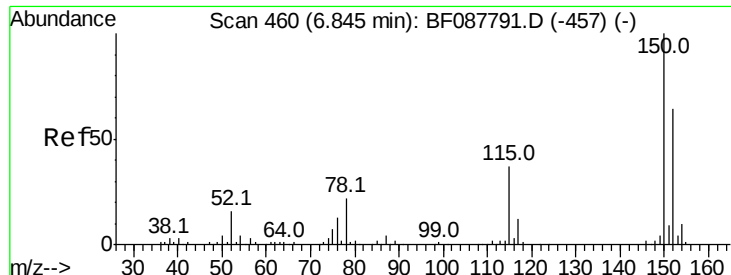
Instrument :
BNA_F
ClientSampleId :
SS1-0-6

Manual Integrations
APPROVED

sohil
6/20/2016 6:56:51 PM

Quant Time: Jun 20 13:16:43 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 17 16:09:13 2016
Response via : Initial Calibration





#1

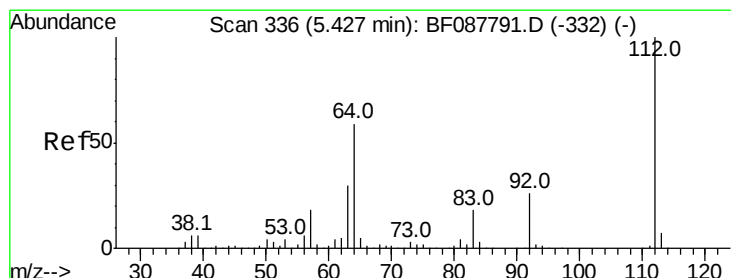
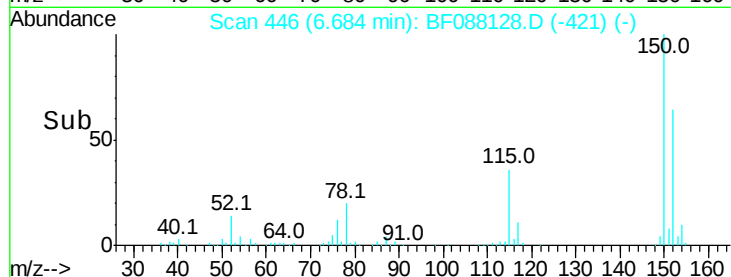
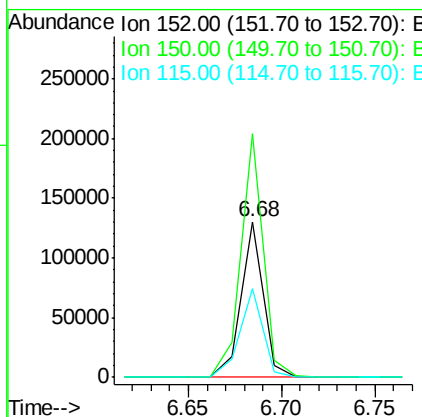
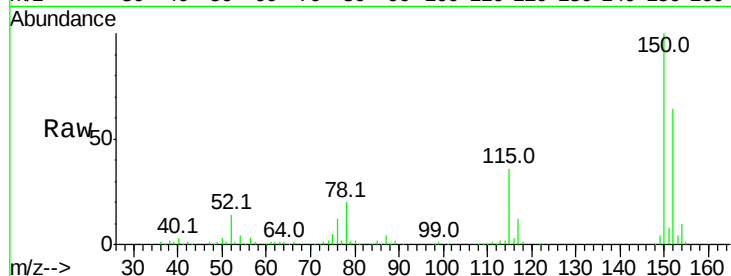
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF088128.D
Acq: 18 Jun 2016 12:21

Instrument :
BNA_F
ClientSampled :
SS1-0-6

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
150	156.1	123.8	185.6	
115	56.8	39.6	59.4	

Manual Integrations
APPROVED

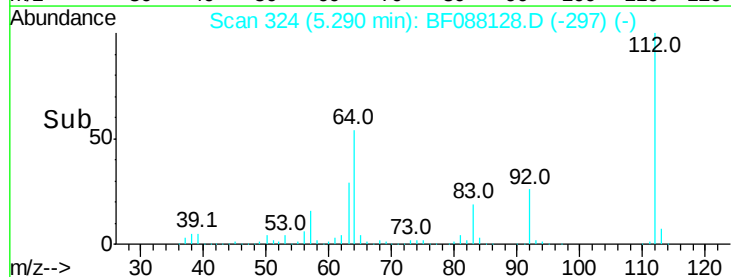
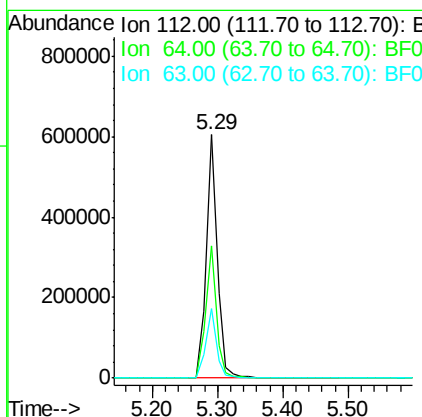
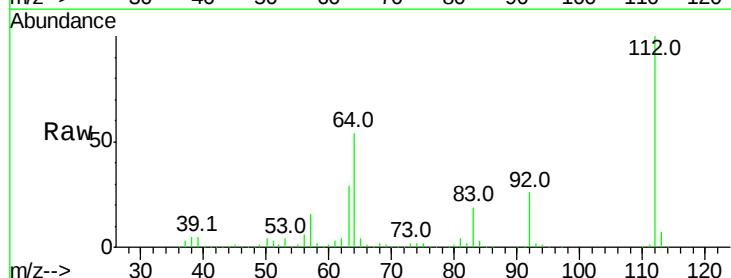
sohil
6/20/2016 6:56:51 PM



#5

2-Fluorophenol
Concen: 111.62 ng
RT: 5.29 min Scan# 324
Delta R.T. 0.01 min
Lab File: BF088128.D
Acq: 18 Jun 2016 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
64	54.4	42.2	63.2	
63	28.5	21.8	32.8	





#7

Phenol-d6

Concen: 127.91 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF088128.D

Acq: 18 Jun 2016 12:21

Instrument :

BNA_F

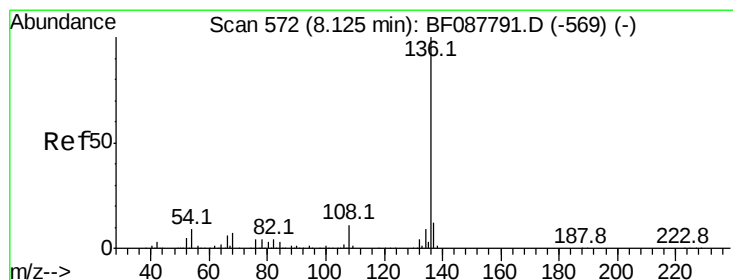
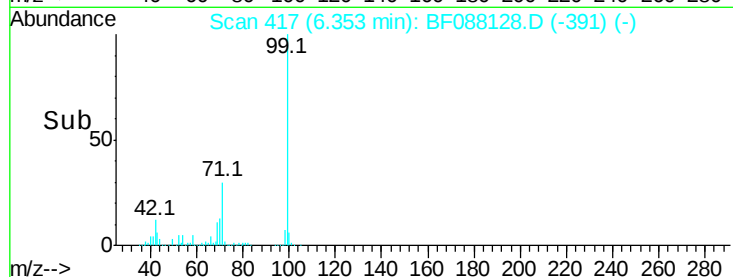
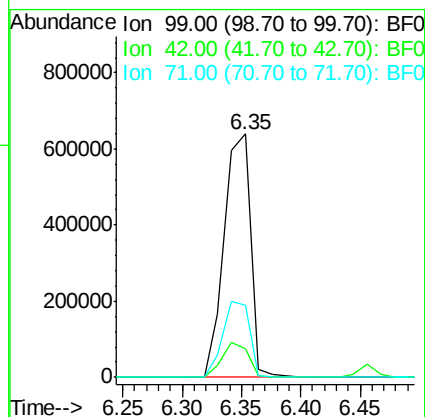
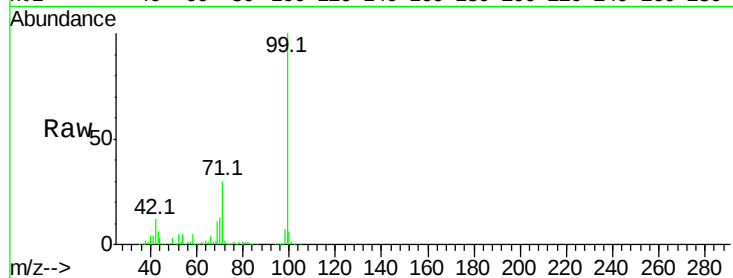
ClientSampleId :

SS1-0-6

Tot Ion:	99	Resp:	986800
Ion Ratio	Lower	Upper	
99	100		
42	11.7	12.2	18.2#
71	29.5	23.4	35.0

Manual Integrations
APPROVED

sohil
6/20/2016 6:56:51 PM



#21

Naphthalene-d8

Concen: 20.00 ng

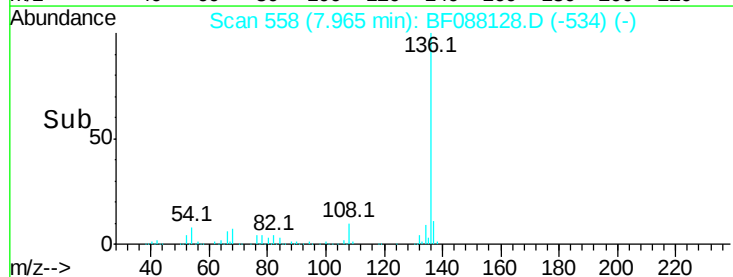
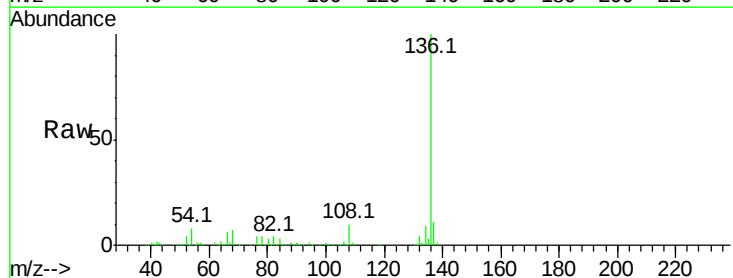
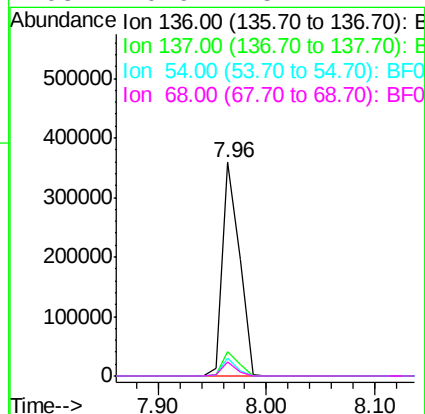
RT: 7.96 min Scan# 558

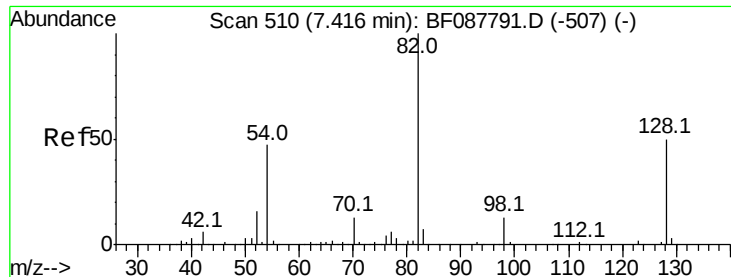
Delta R.T. -0.02 min

Lab File: BF088128.D

Acq: 18 Jun 2016 12:21

Tgt Ion:	136	Resp:	393371
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	8.4	6.6	10.0
68	6.9	5.1	7.7





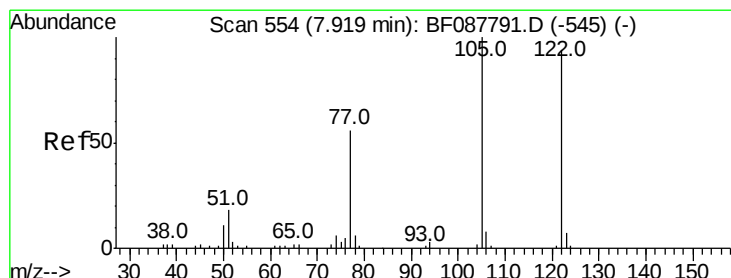
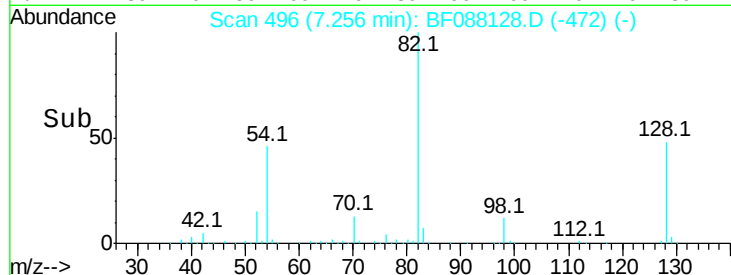
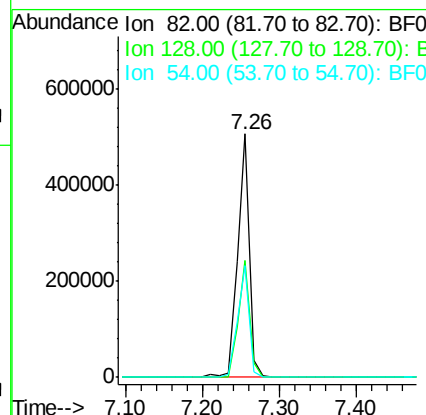
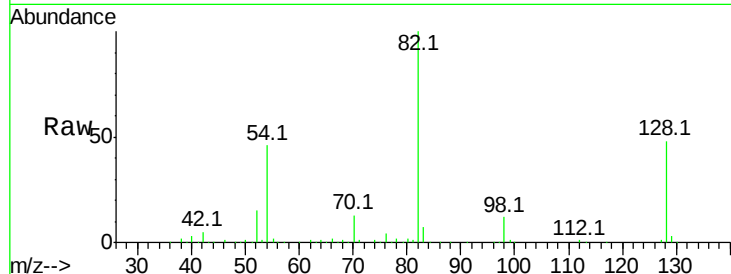
#23
 Nitrobenzene-d5
 Concen: 82.46 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF088128.D
 Acq: 18 Jun 2016 12:21

Instrument :
 BNA_F
 ClientSampled :
 SS1-0-6

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.9	35.9	53.9	
54	46.0	40.9	61.3	

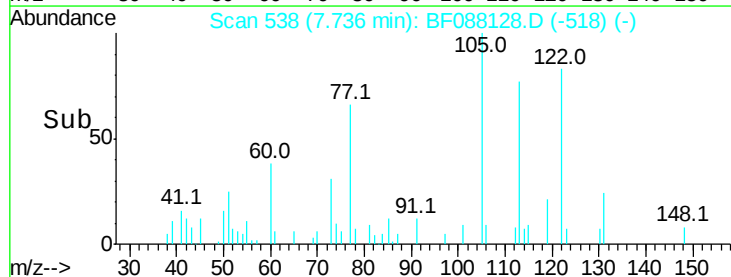
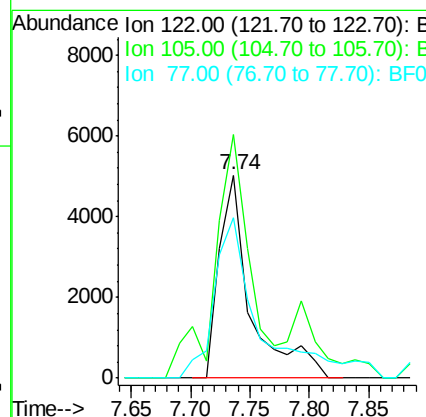
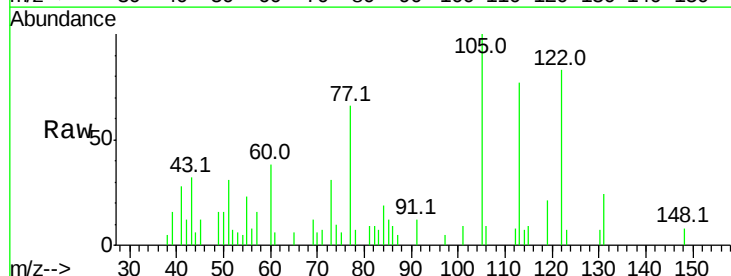
Manual Integrations
 APPROVED

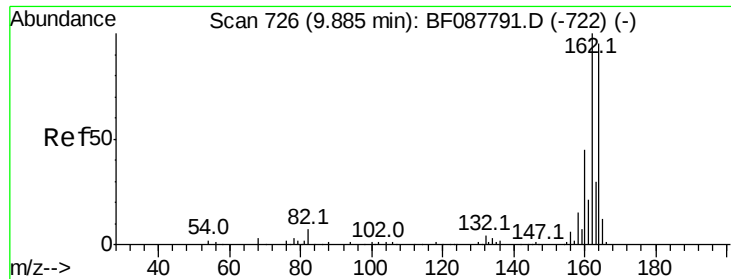
sohil
 6/20/2016 6:56:51 PM



#32
 Benzoic acid
 Concen: 2.58 ng
 RT: 7.74 min Scan# 538
 Delta R.T. -0.07 min
 Lab File: BF088128.D
 Acq: 18 Jun 2016 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	120.2	101.6	141.6	
77	79.3	70.6	110.6	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.02 min

Lab File: BF088128.D

Acq: 18 Jun 2016 12:21

Instrument :

BNA_F

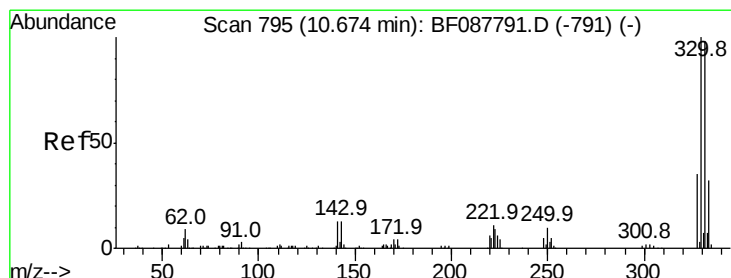
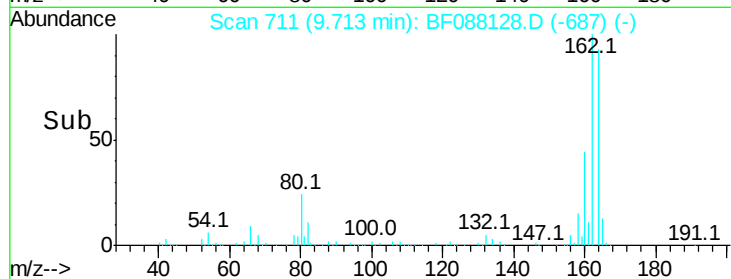
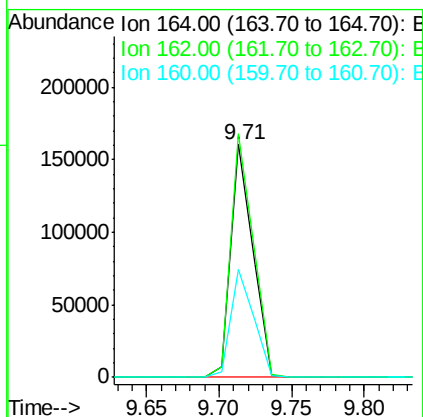
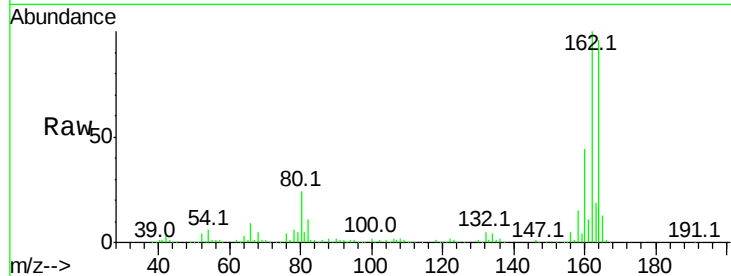
ClientSampleId :

SS1-0-6

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.5	85.4	128.2	
160	46.3	39.5	59.3	

Manual Integrations
APPROVED

sohil
6/20/2016 6:56:51 PM



#41

2,4,6-Tribromophenol

Concen: 100.17 ng

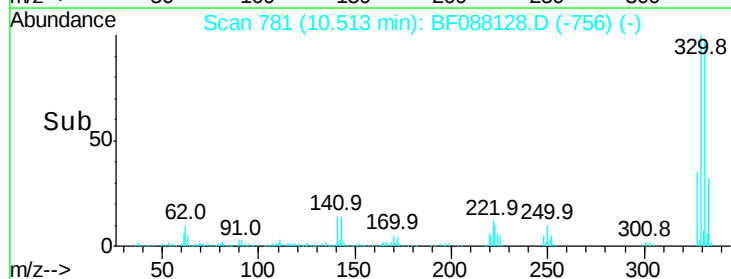
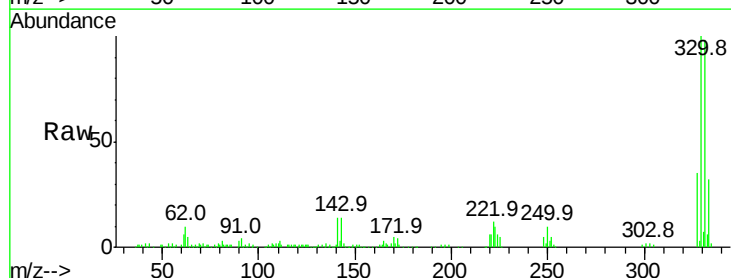
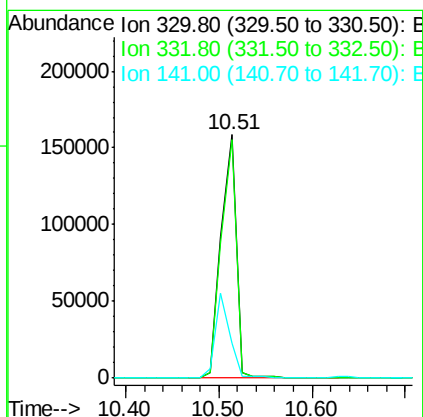
RT: 10.51 min Scan# 781

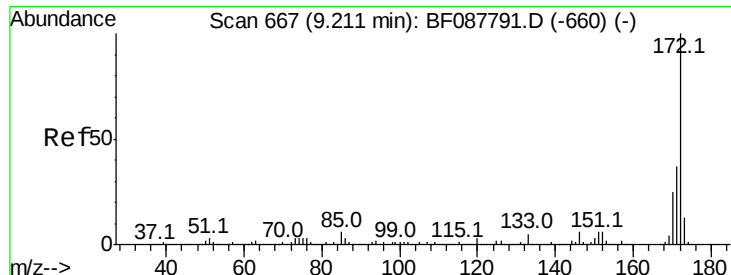
Delta R.T. -0.01 min

Lab File: BF088128.D

Acq: 18 Jun 2016 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3	0.0	0.0#	
141	33.9	0.0	0.0#	





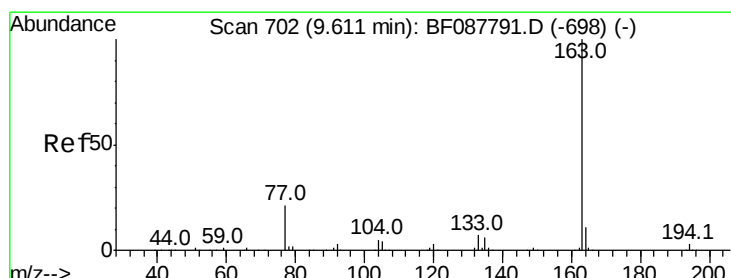
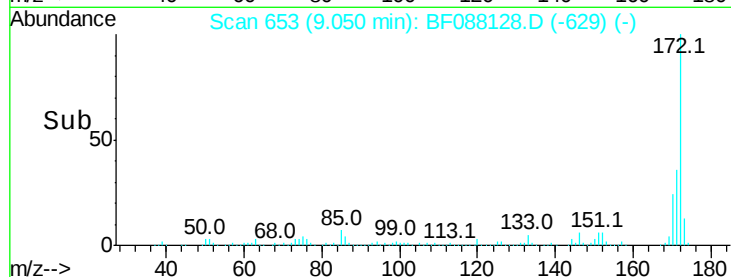
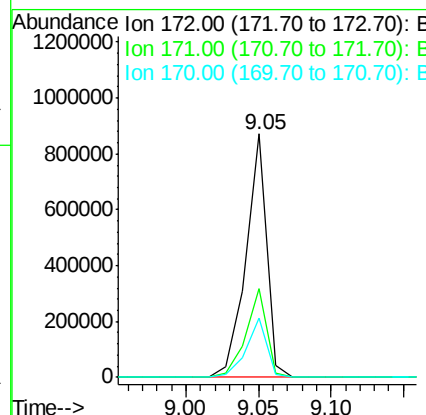
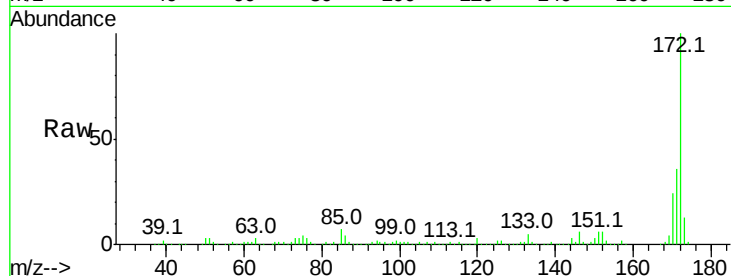
#44
2-Fluorobiphenyl
Concen: 80.18 ng
RT: 9.05 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF088128.D
Acq: 18 Jun 2016 12:21

Instrument :
BNA_F
ClientSampleId :
SS1-0-6

Tot Ion:	172	Resp:	872021
Ion Ratio	Lower	Upper	
172	100		
171	36.5	28.6	43.0
170	24.4	19.2	28.8

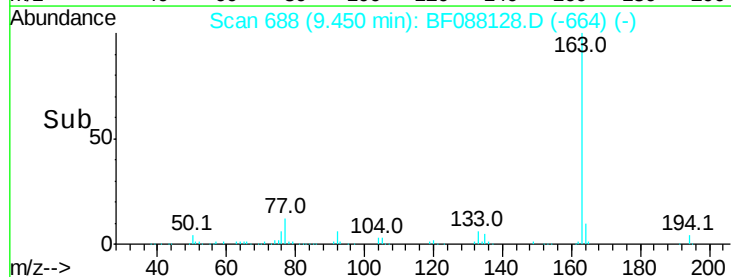
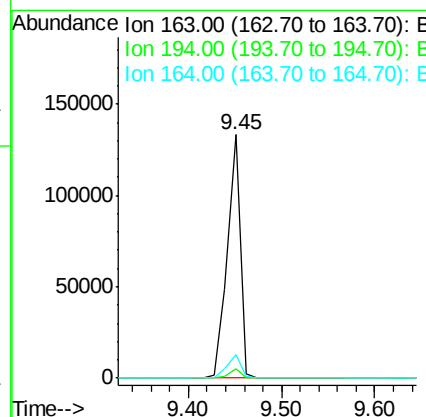
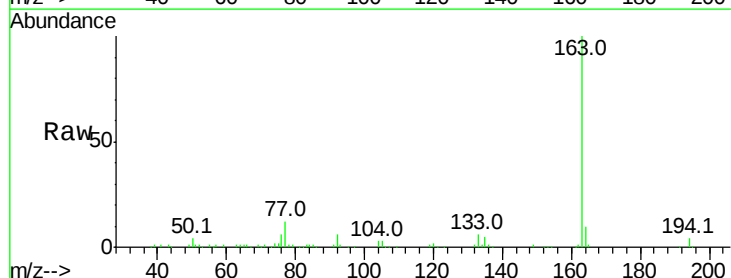
Manual Integrations
APPROVED

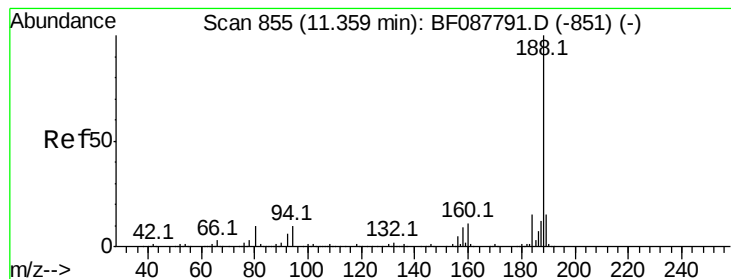
sohil
6/20/2016 6:56:51 PM



#49
Dimethylphthalate
Concen: 10.47 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF088128.D
Acq: 18 Jun 2016 12:21

Tgt Ion:	163	Resp:	129092
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.8	4.2
164	9.7	8.3	12.5





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF088128.D

Acq: 18 Jun 2016 12:21

Instrument :

BNA_F

ClientSampleId :

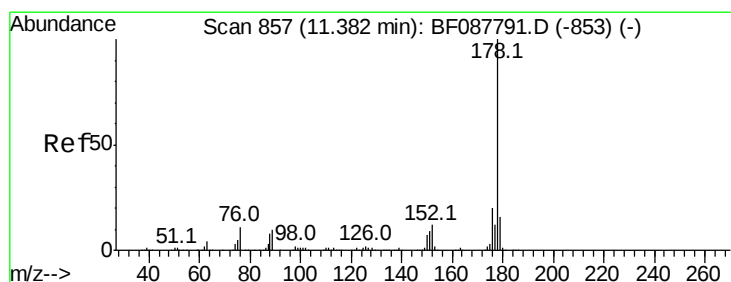
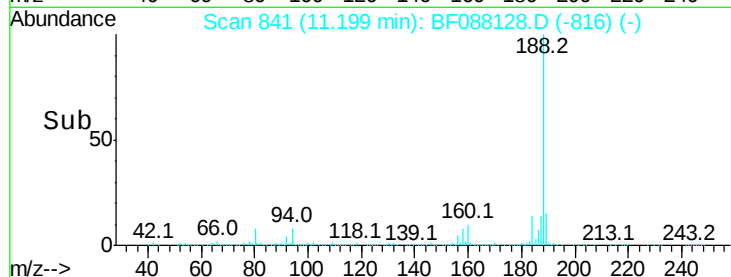
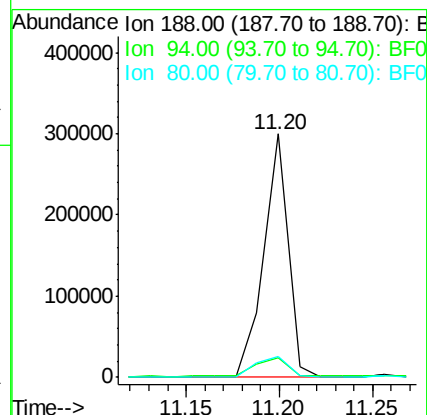
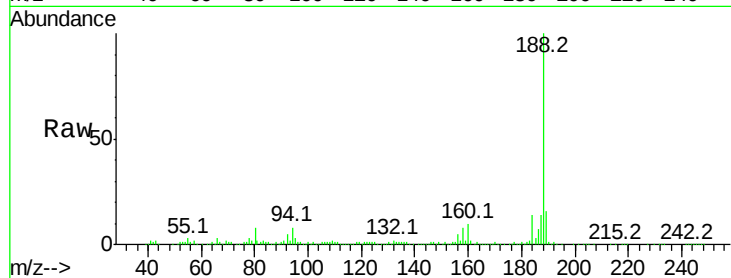
SS1-0-6

Tot Ion:188 Resp: 270517
Ion Ratio Lower Upper

188	100		
94	8.1	9.0	13.6#
80	8.4	10.0	15.0#

Manual Integrations
APPROVED

sohil
6/20/2016 6:56:51 PM



#70

Phenanthrene

Concen: 2.66 ng

RT: 11.22 min Scan# 843

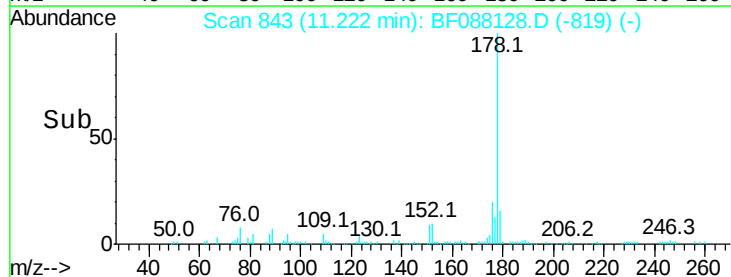
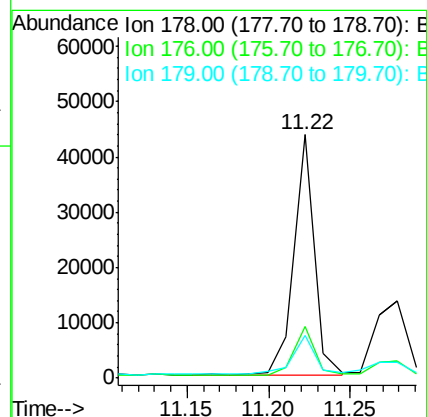
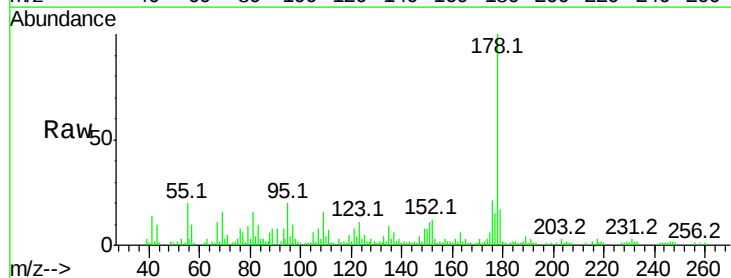
Delta R.T. -0.02 min

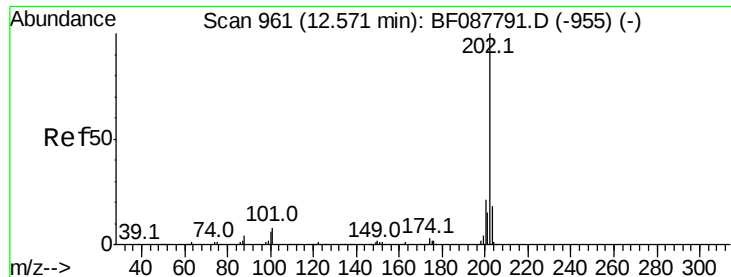
Lab File: BF088128.D

Acq: 18 Jun 2016 12:21

Tgt Ion:178 Resp: 37716
Ion Ratio Lower Upper

178	100		
176	21.0	15.8	23.6
179	17.3	13.0	19.4





#74

Fluoranthene

Concen: 5.98 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF088128.D

Acq: 18 Jun 2016 12:21

Instrument :

BNA_F

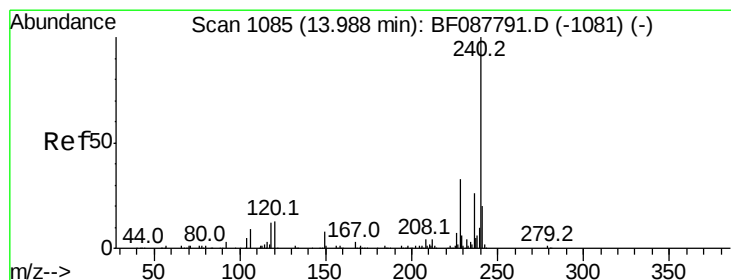
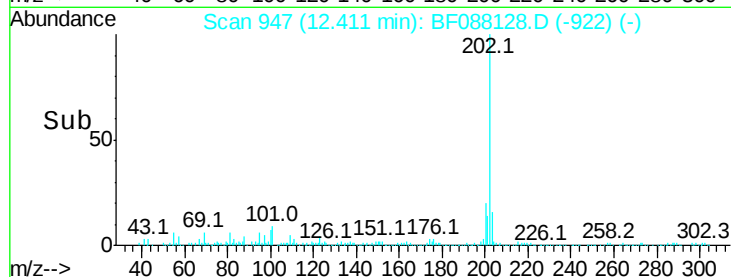
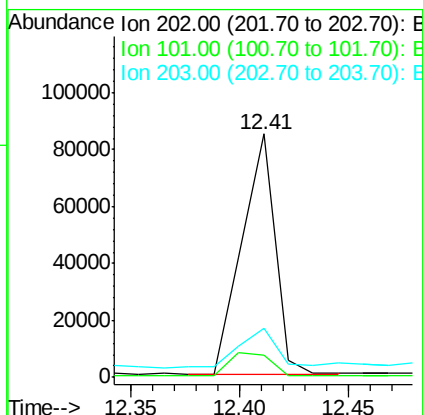
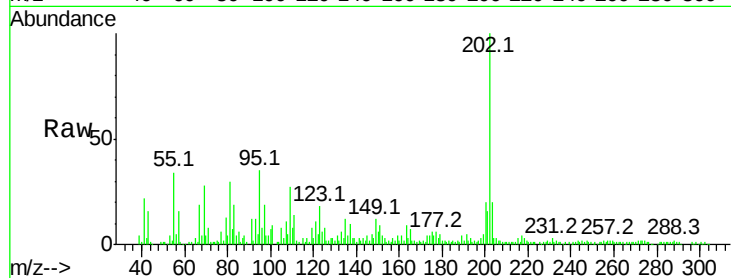
ClientSampled :

SS1-0-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		89541		
101	9.2	0.0	33.1		
203	20.3	0.0	38.1		

Manual Integrations
APPROVED

sohil
6/20/2016 6:56:51 PM



#75

Chrysene-d12

Concen: 20.00 ng

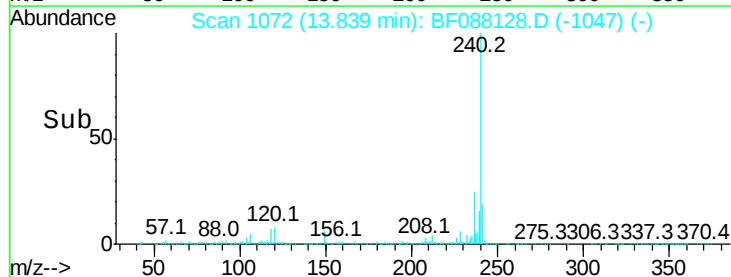
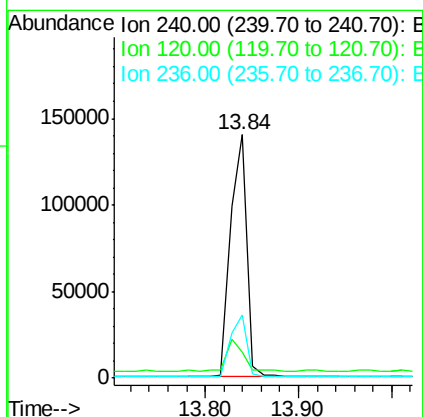
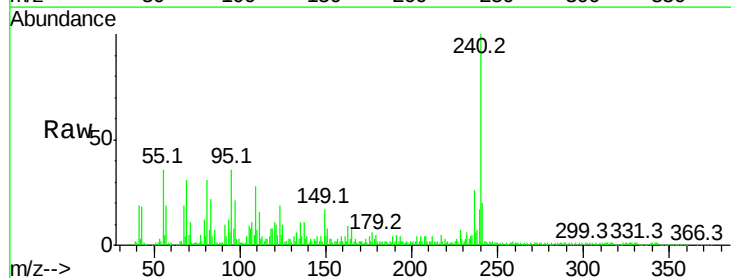
RT: 13.84 min Scan# 1072

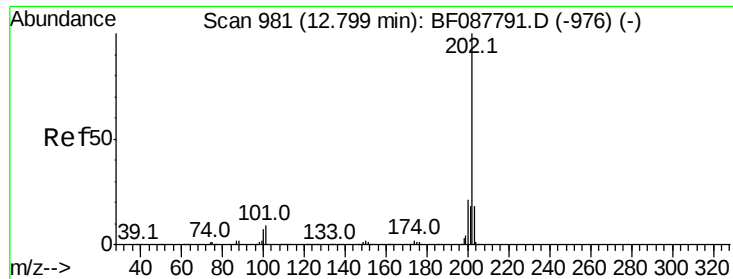
Delta R.T. -0.01 min

Lab File: BF088128.D

Acq: 18 Jun 2016 12:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		171381		
120	10.8	6.8	10.2#		
236	25.7	20.2	30.2		





#77

Pvrene

Concen: 6.70 ng/mL

RT: 12.64 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF088128.D

Acq: 18 Jun 2016 12:21

Instrument :

BNA_F

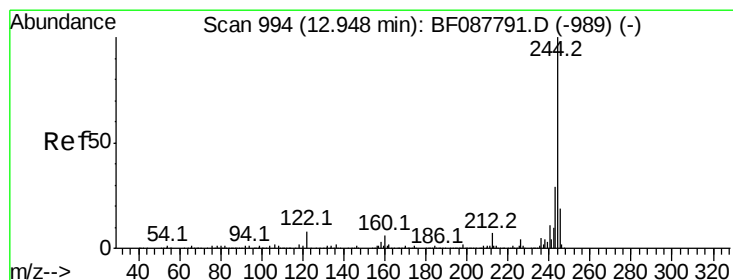
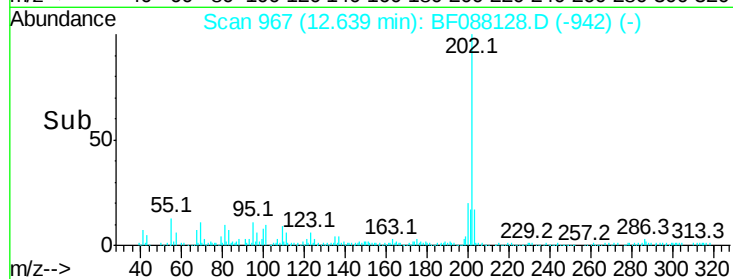
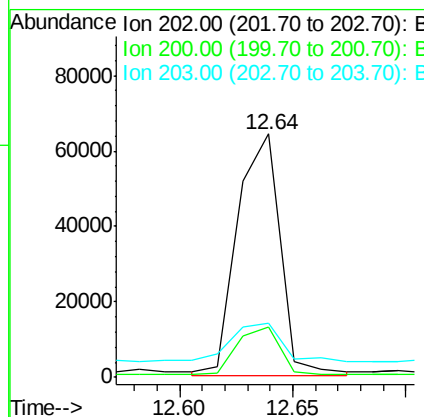
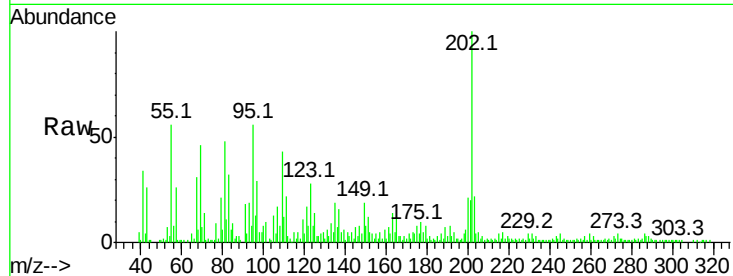
ClientSampleId :

SS1-0-6

Tot Ion:	202	Resp:	85159
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	22.5	14.5	21.7#

Manual Integrations
APPROVED

sohil
6/20/2016 6:56:51 PM



#78

Terphenyl-d14

Concen: 73.30 ng/mL

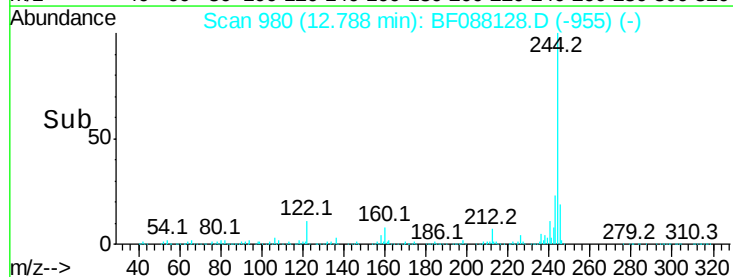
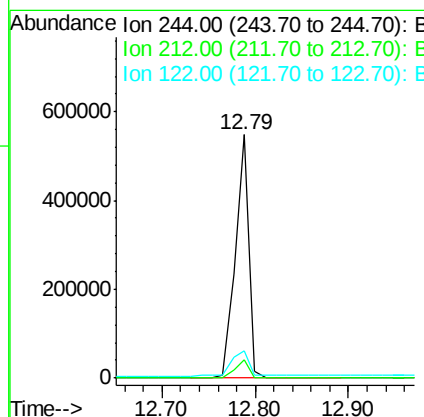
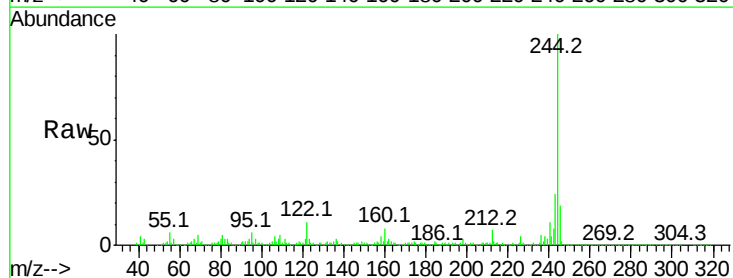
RT: 12.79 min Scan# 980

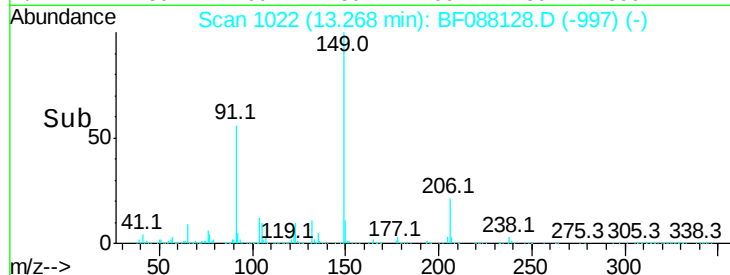
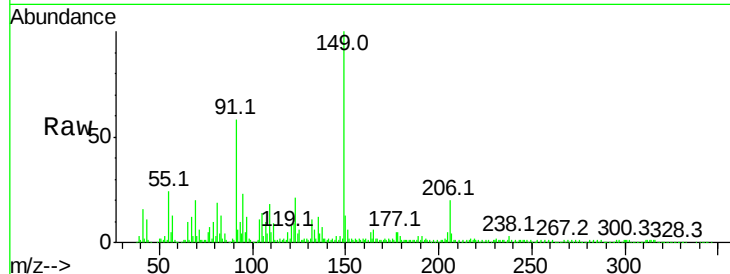
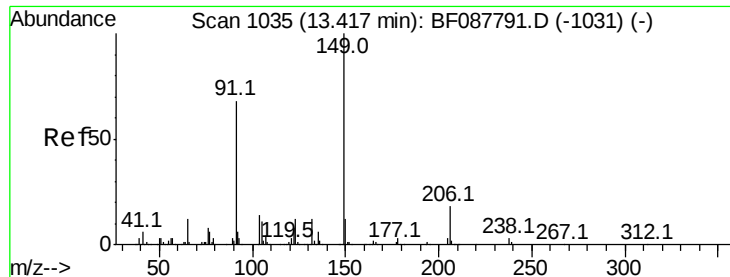
Delta R.T. -0.01 min

Lab File: BF088128.D

Acq: 18 Jun 2016 12:21

Tgt Ion:	244	Resp:	552074
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.0	9.0
122	11.3	11.2	16.8





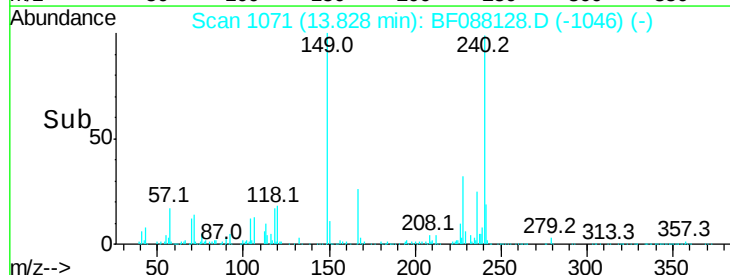
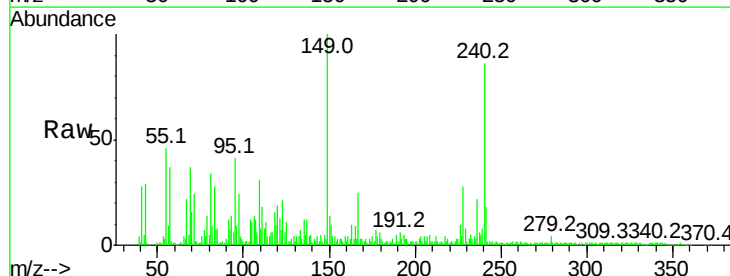
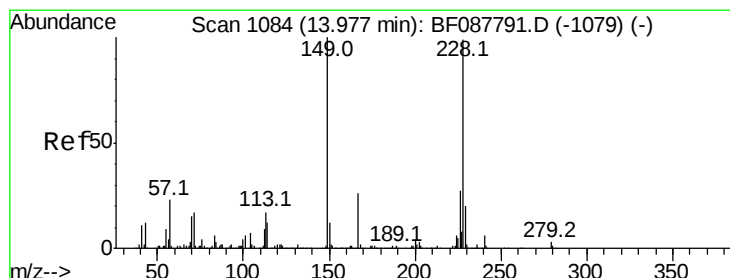
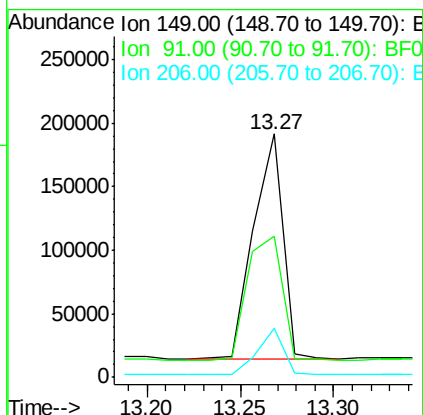
#79
Butylbenzylphthalate
Concen: 34.99 ng
RT: 13.27 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF088128.D
Acq: 18 Jun 2016 12:21

Tot Ion	Ratio	Resp	Lower	Upper
149	100	196758		
91	58.0	48.0	72.0	
206	20.2	16.0	24.0	

Instrument :
BNA_F
ClientSampled :
SS1-0-6

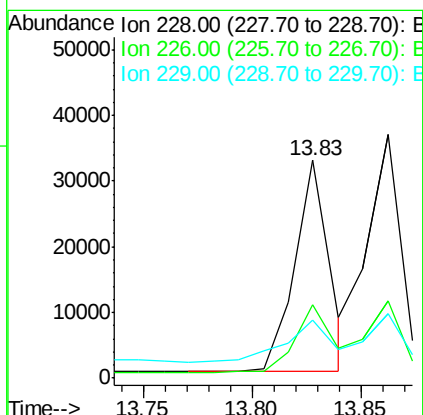
Manual Integrations
APPROVED

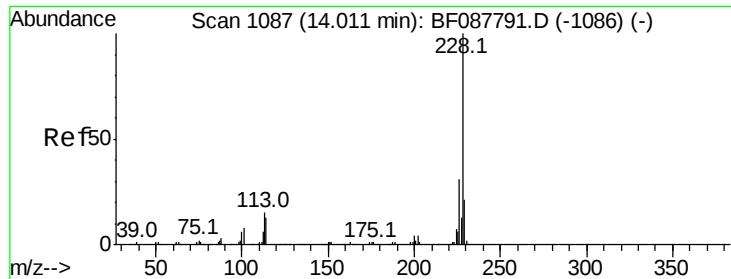
sohil
6/20/2016 6:56:51 PM



#80
Benzo(a)anthracene
Concen: 3.63 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF088128.D
Acq: 18 Jun 2016 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	35465		
226	33.9	22.3	33.5#	
229	26.9	16.0	24.0#	





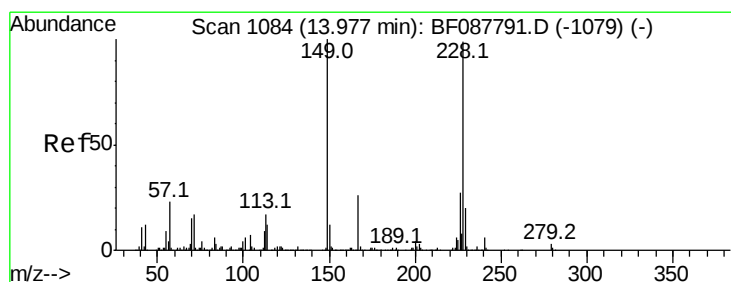
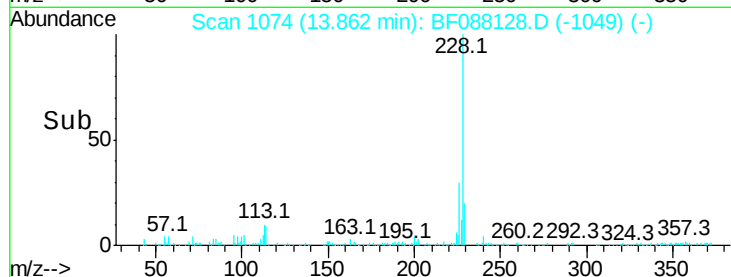
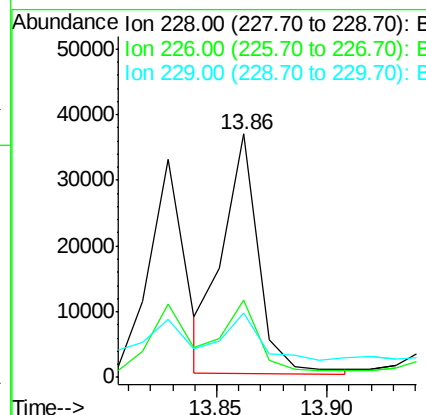
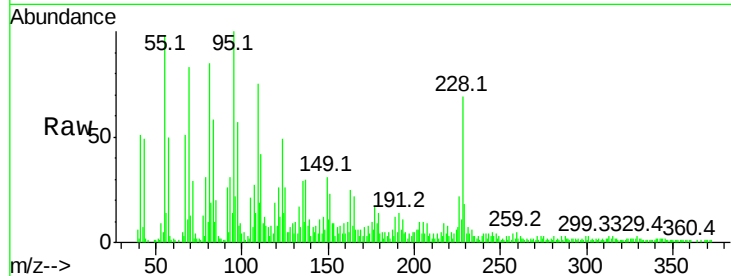
#82
 Chrvsene
 Concen: 4.47 ng/ml
 RT: 13.86 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: BF088128.D
 Acq: 18 Jun 2016 12:21

Instrument :
 BNA_F
 ClientSampled :
 SS1-0-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.4	38.2
229	26.5	16.3	24.5

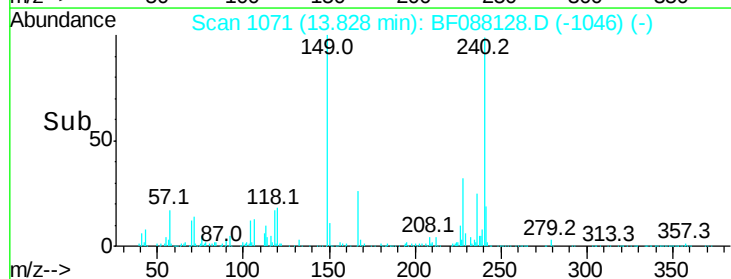
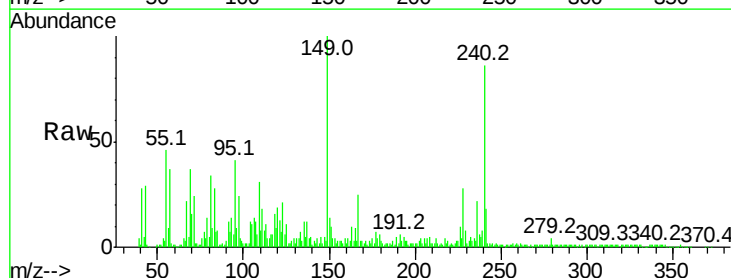
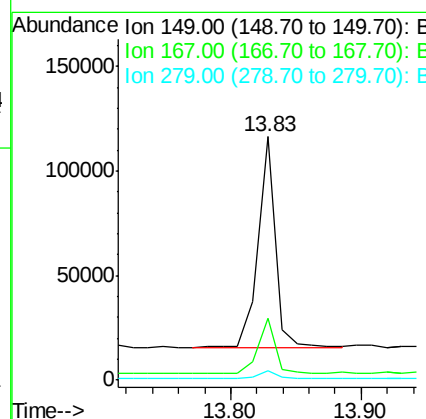
Manual Integrations
 APPROVED

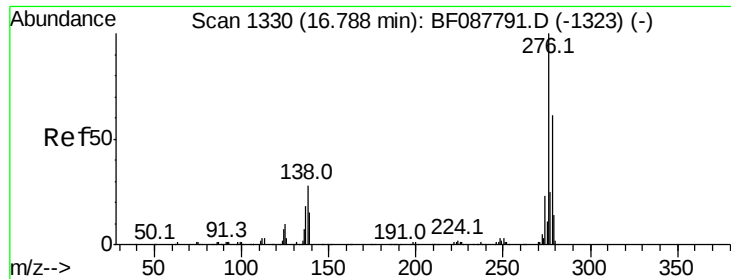
sohil
 6/20/2016 6:56:51 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 13.76 ng
 RT: 13.83 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: BF088128.D
 Acq: 18 Jun 2016 12:21

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.5	20.5	30.7
279	3.7	2.0	3.0





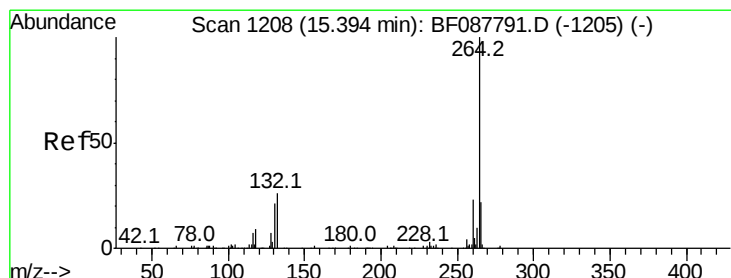
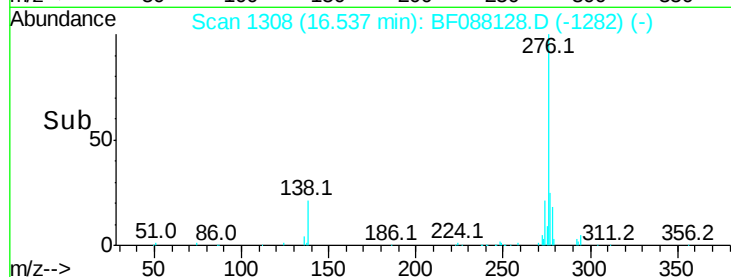
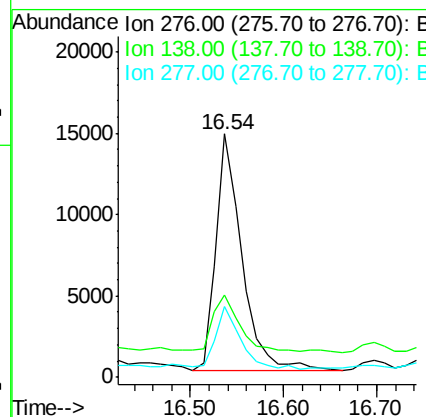
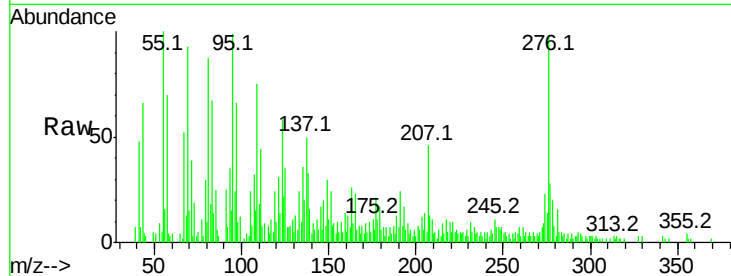
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.26 ng
RT: 16.54 min Scan# 1308
Delta R.T. -0.00 min
Lab File: BF088128.D
Acq: 18 Jun 2016 12:21

Instrument :
BNA_F
ClientSampleId :
SS1-0-6

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	24.1	0.0	0.0#
277	24.6	0.0	0.0#

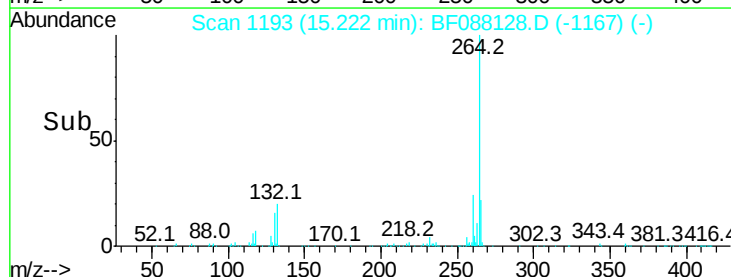
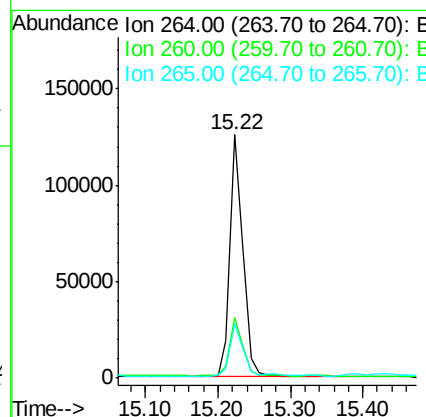
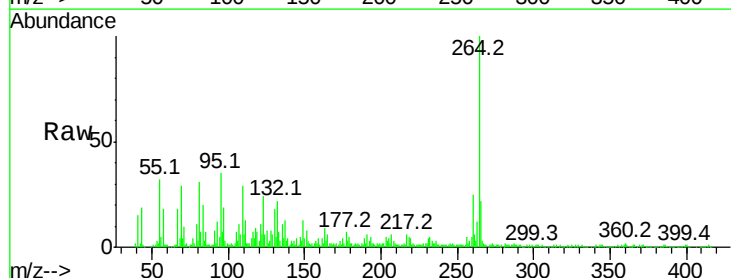
Manual Integrations
APPROVED

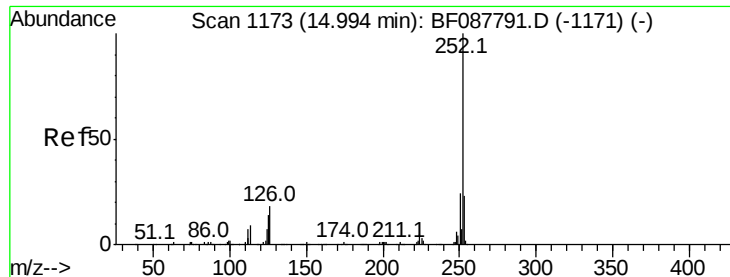
sohil
6/20/2016 6:56:51 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BF088128.D
Acq: 18 Jun 2016 12:21

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.4	16.9	25.3





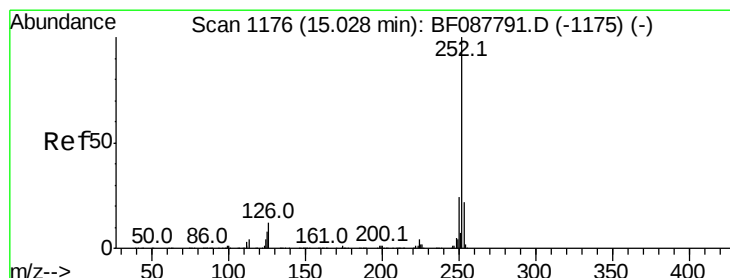
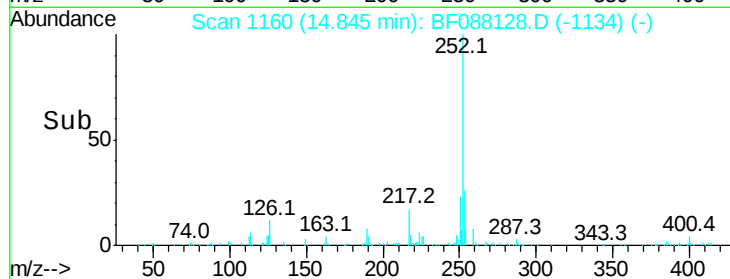
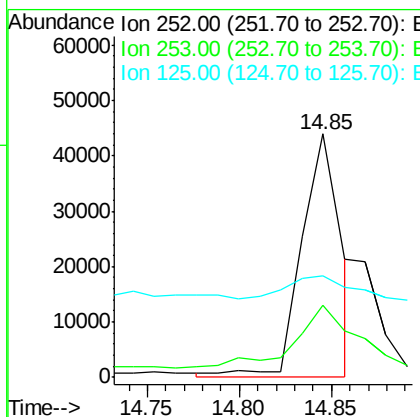
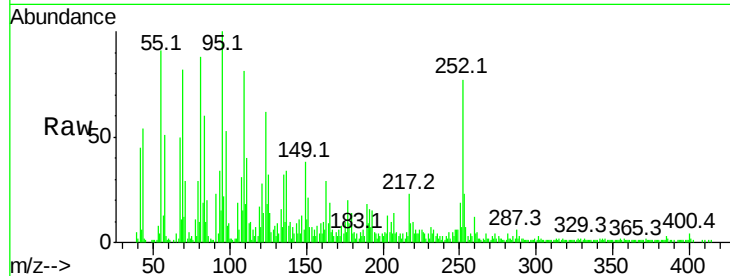
#87
Benzo(b)fluoranthene
Concen: 5.89 ng m
RT: 14.85 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BF088128.D
Acq: 18 Jun 2016 12:21

Instrument :
BNA_F
ClientSampled :
SS1-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.6	17.4	26.2#
125	41.5	7.1	10.7#

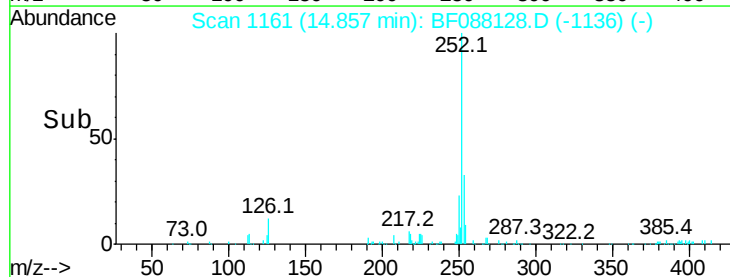
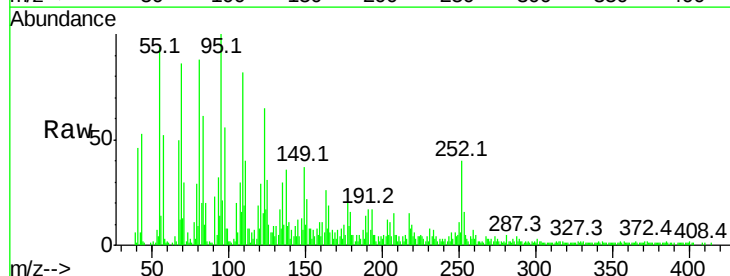
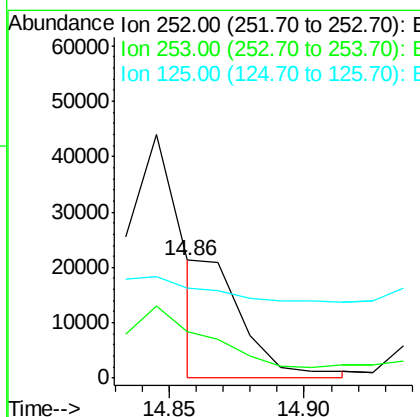
Manual Integrations
APPROVED

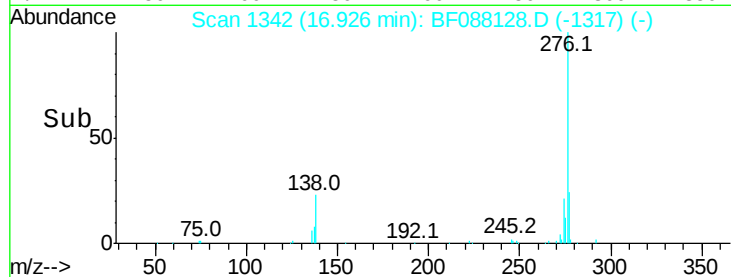
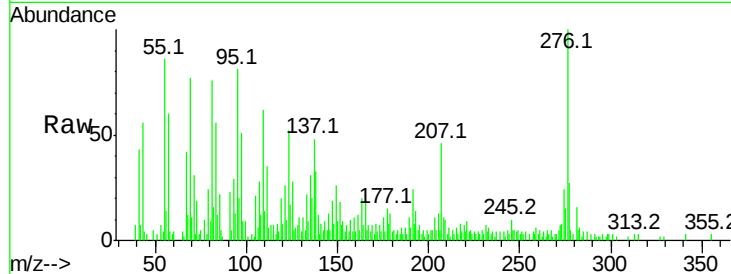
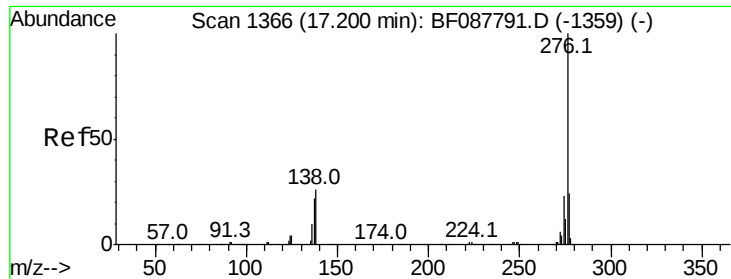
sohil
6/20/2016 6:56:51 PM



#88
Benzo(k)fluoranthene
Concen: 2.72 ng m
RT: 14.86 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF088128.D
Acq: 18 Jun 2016 12:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	39.6	18.0	27.0#
125	76.5	11.2	16.8#





#91

Benzo(a,h,i)perylene

Concen: 3.74 ng

RT: 16.93 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF088128.D

Acq: 18 Jun 2016 12:21

Instrument :

BNA_F

ClientSampleId :

SS1-0-6

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	26.6	18.9	28.3
138	33.2	21.4	32.2

Manual Integrations
APPROVED

sohil
6/20/2016 6:56:51 PM

