

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092916\
 Data File : BF090297.D
 Acq On : 29 Sep 2016 18:49
 Operator : UM/SJ
 Sample : H4982-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-29

Manual Integrations
 APPROVED

sohil
 9/30/2016 4:00:40 PM

Quant Time: Sep 30 01:02:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	126937	20.00	ng	-0.02
21) Naphthalene-d8	7.75	136	457156	20.00	ng	-0.02
38) Acenaphthene-d10	9.50	164	245192	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	322080	20.00	ng	-0.01
75) Chrysene-d12	13.59	240	249265	20.00	ng	-0.01
86) Perylene-d12	14.91	264	198953	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	982636	126.18	ng	0.00
7) Phenol-d6	6.12	99	1095925	113.95	ng	-0.01
23) Nitrobenzene-d5	7.04	82	753298	95.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.28	330	211411	100.50	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	992616	79.48	ng	-0.02
78) Terphenyl-d14	12.56	244	711117	72.43	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.14	94	22877	2.01	ng	88
37) 2-Methylnaphthalene	8.47	142	45099	3.33	ng	96
49) Dimethylphthalate	9.23	163	357217	22.87	ng	98
70) Phenanthrene	10.99	178	219223	14.55	ng	98
71) Anthracene	11.04	178	70979	4.49	ng	98
74) Fluoranthene	12.17	202	352295	21.79	ng	94
77) Pyrene	12.39	202	304099	17.83	ng	96
80) Benzo(a)anthracene	13.58	228	161451m	12.04	ng	
82) Chrysene	13.61	228	153844m	11.78	ng	
85) Indeno(1,2,3-cd)pyrene	16.06	276	74759	7.08	ng	92
87) Benzo(b)fluoranthene	14.57	252	178055m	16.16	ng	
88) Benzo(k)fluoranthene	14.59	252	65439m	6.33	ng	
89) Benzo(a)pyrene	14.86	252	120964	11.67	ng	# 91
90) Dibenzo(a,h)anthracene	16.07	278	20778	2.57	ng	# 79
91) Benzo(a,h,i)perylene	16.40	276	68820	8.69	ng	96

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

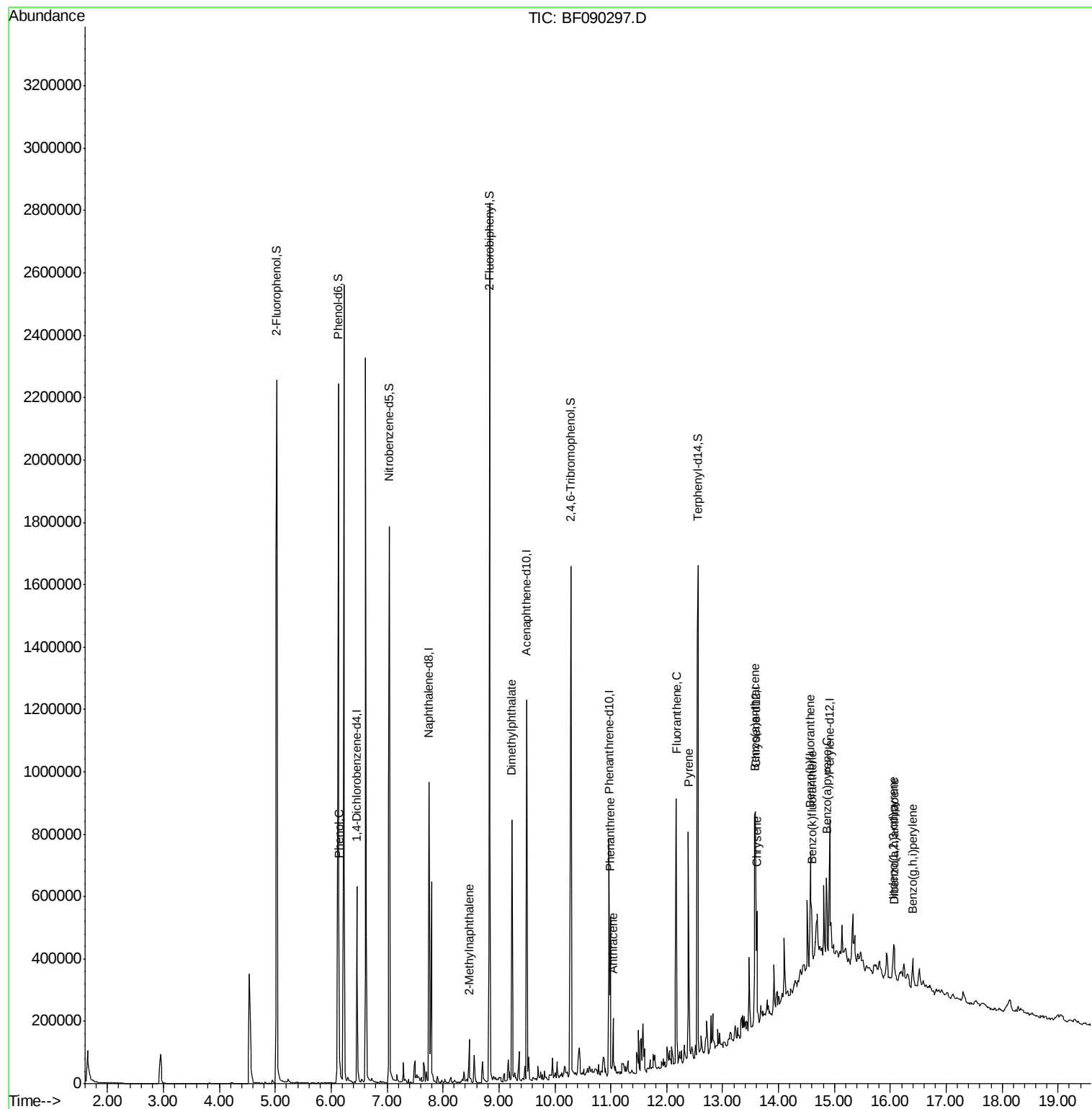
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092916\
Data File : BF090297.D
Acq On : 29 Sep 2016 18:49
Operator : UM/SJ
Sample : H4982-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-29

Manual Integrations
APPROVED

sohil
9/30/2016 4:00:40 PM

Quant Time: Sep 30 01:02:54 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 26 15:58:38 2016
Response via : Initial Calibration





#1

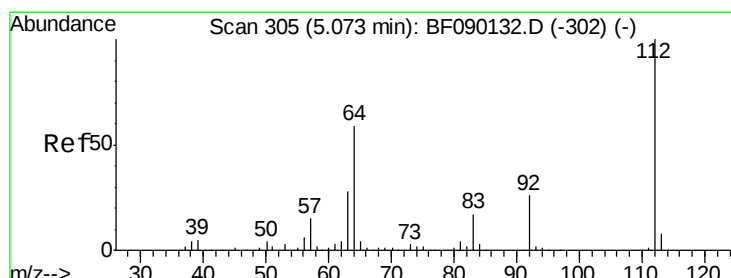
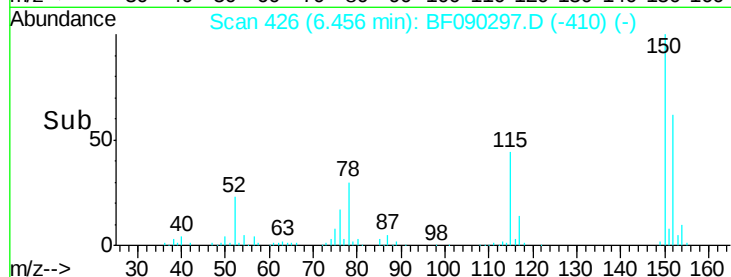
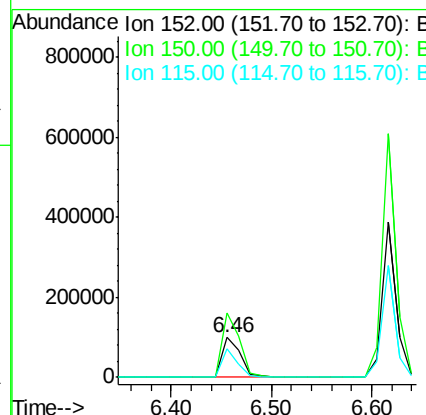
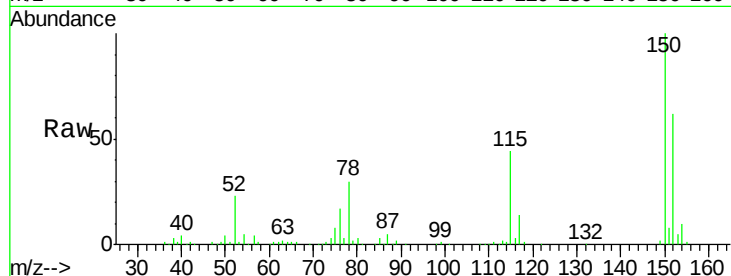
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.46 min Scan# 426
Delta R.T. -0.02 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Instrument :
BNA_F
ClientSampled :
S-29

Tot Ion	Ratio	Resp	Lower	Upper
152	100	126937		
150	160.2	128.9	193.3	
115	70.2	55.5	83.3	

Manual Integrations
APPROVED

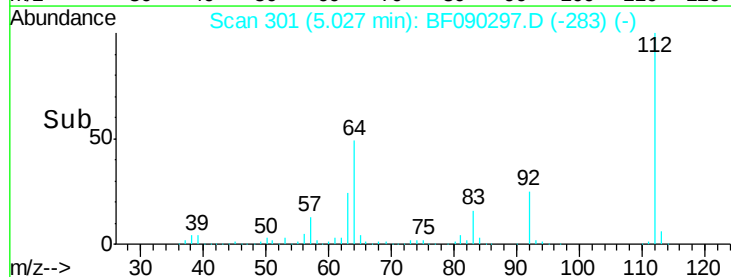
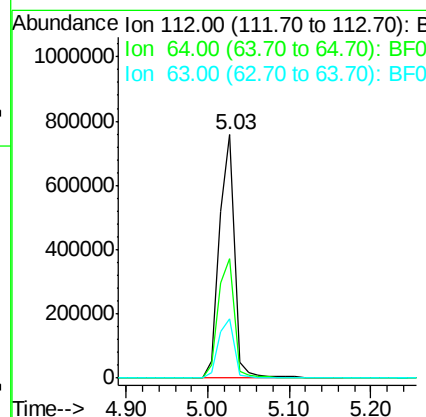
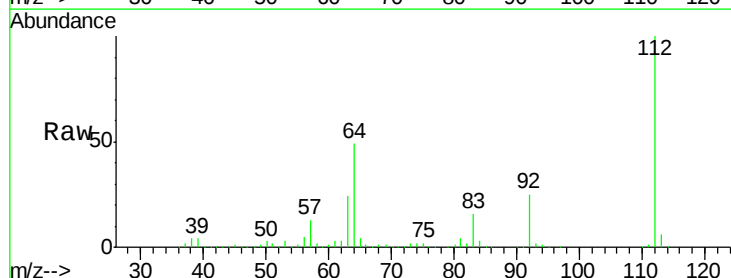
sohil
9/30/2016 4:00:40 PM

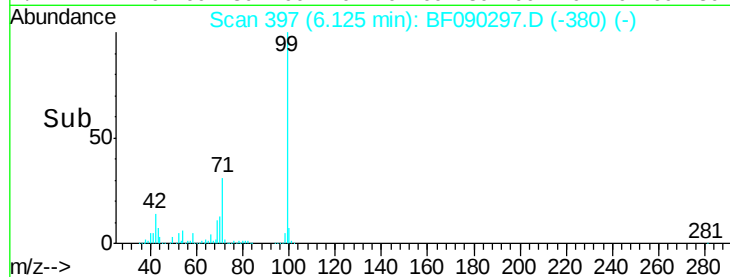
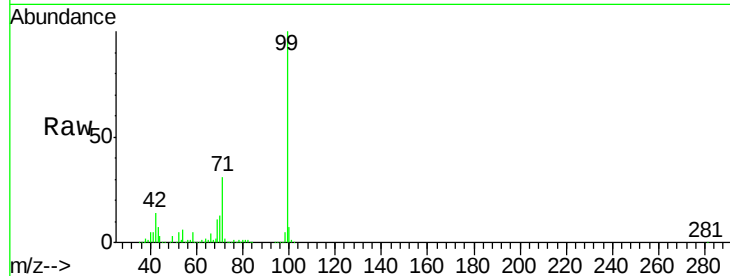
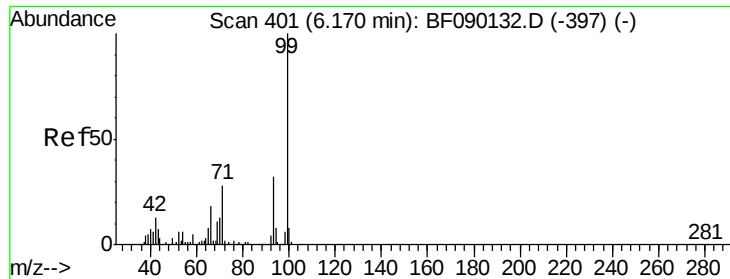


#5

2-Fluorophenol
Concen: 126.18 ng
RT: 5.03 min Scan# 301
Delta R.T. 0.00 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	982636		
64	49.3	39.8	59.6	
63	24.2	18.9	28.3	





#7

Phenol-d6

Concen: 113.95 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

Tot Ion:	99	Resp:	1095925
Ion	Ratio	Lower	Upper
99	100		
42	13.7	10.6	15.8
71	30.8	23.0	34.6

Instrument :

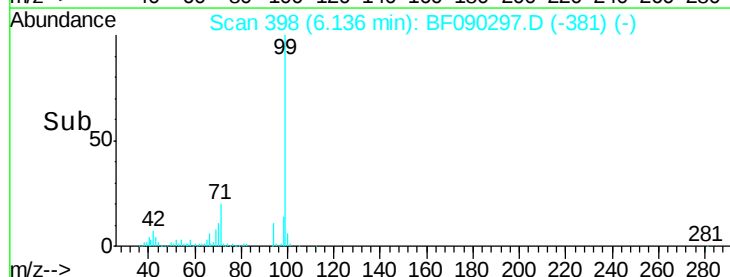
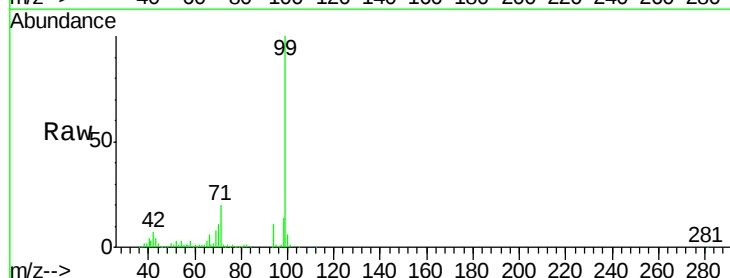
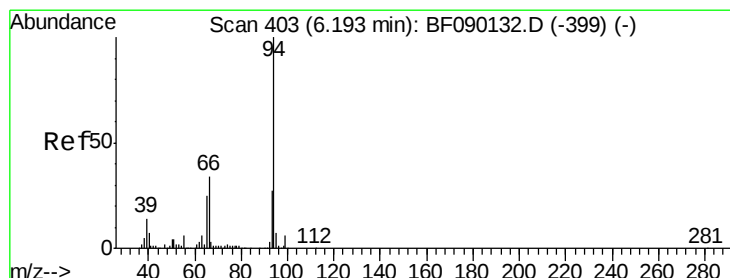
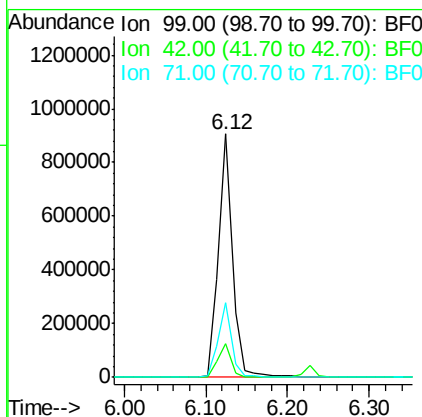
BNA_F

ClientSampled :

S-29

Manual Integrations
APPROVED

sohil
9/30/2016 4:00:40 PM



#10

Phenol

Concen: 2.01 ng

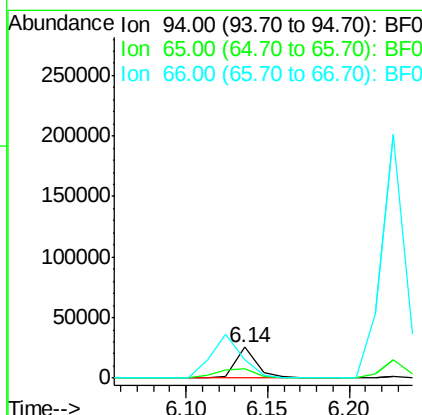
RT: 6.14 min Scan# 398

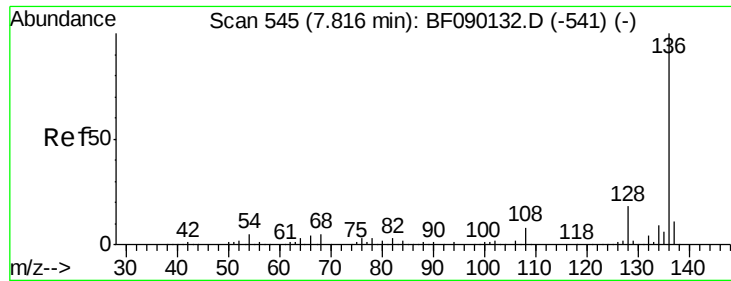
Delta R.T. -0.01 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

Tgt Ion:	94	Resp:	22877
Ion	Ratio	Lower	Upper
94	100		
65	31.0	20.6	60.6
66	57.5	45.1	85.1





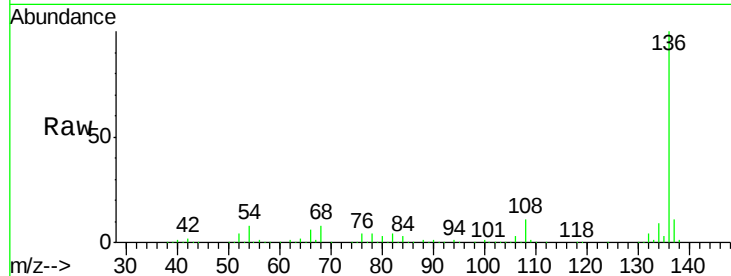
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.75 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Instrument :
BNA_F
ClientSampled :
S-29

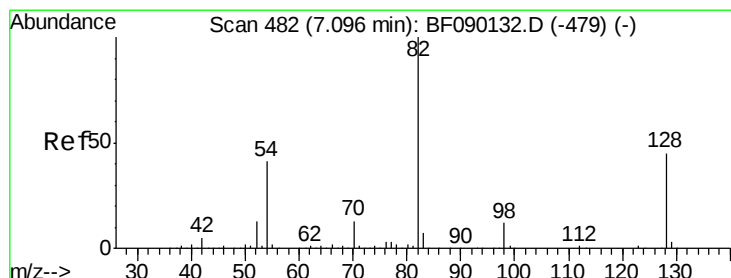
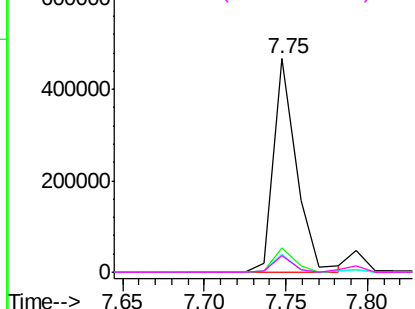
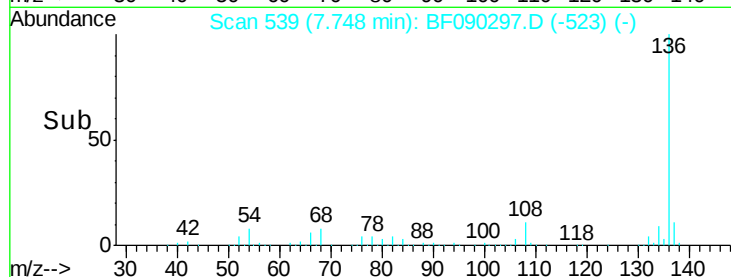
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		457156		
137	11.2		9.0	13.4	
54	8.5		6.4	9.6	
68	7.9		6.3	9.5	

Manual Integrations
APPROVED

sohil
9/30/2016 4:00:40 PM

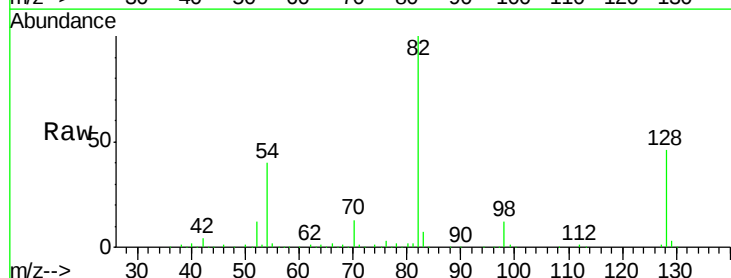


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

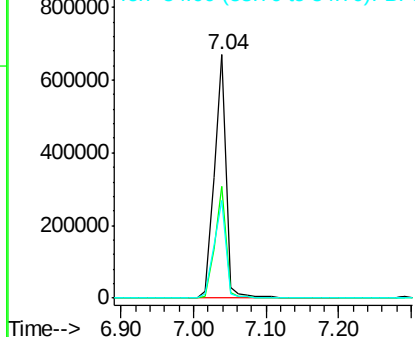
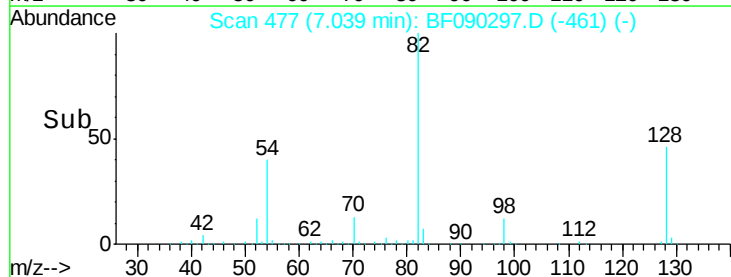


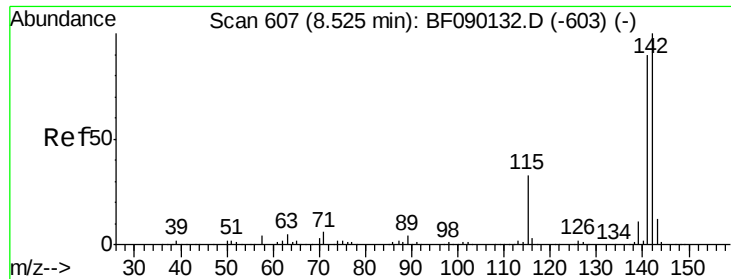
#23
Nitrobenzene-d5
Concen: 95.52 ng
RT: 7.04 min Scan# 477
Delta R.T. -0.02 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		753298		
128	45.8		37.5	56.3	
54	40.1		31.9	47.9	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





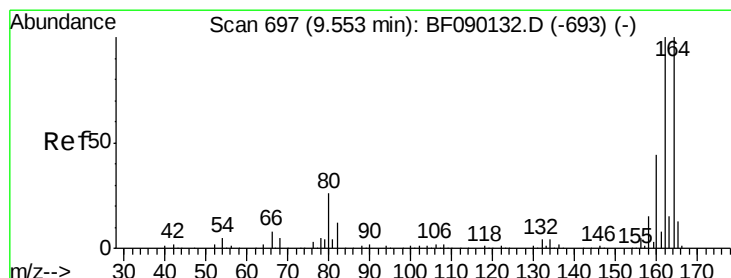
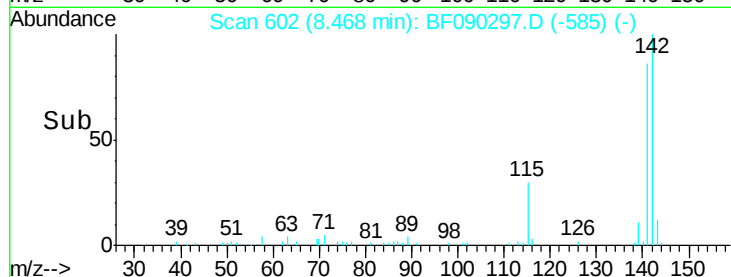
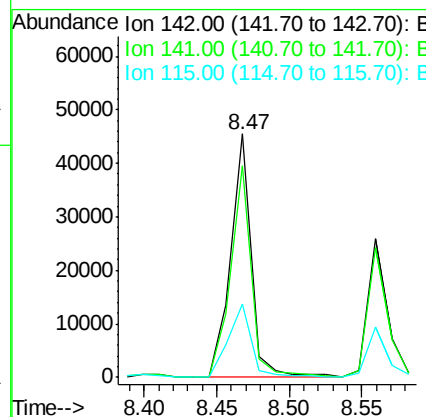
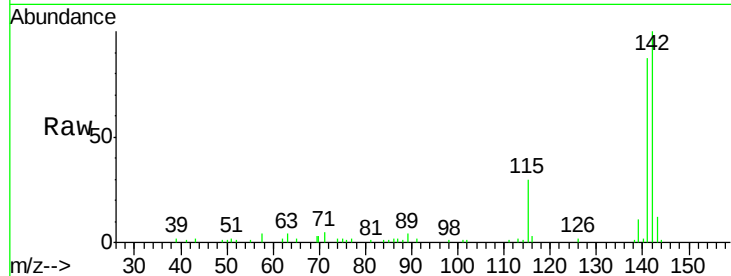
#37
2-Methylnaphthalene
Concen: 3.33 ng
RT: 8.47 min Scan# 602
Delta R.T. -0.01 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Instrument :
BNA_F
ClientSampled :
S-29

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.4	107.2
115	30.3	28.3	42.5

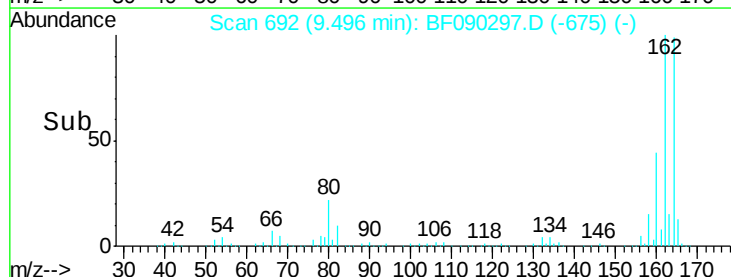
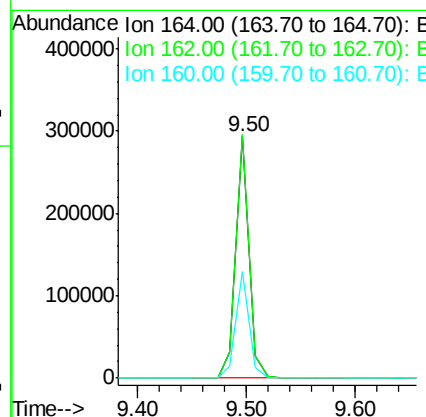
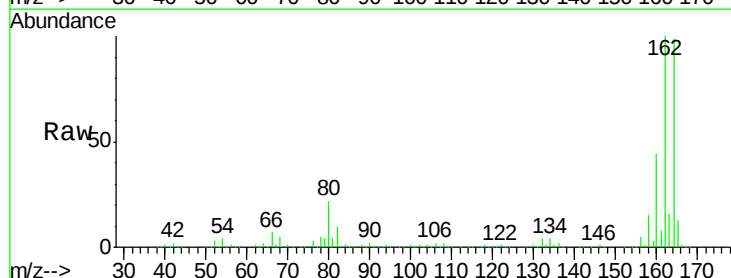
Manual Integrations
APPROVED

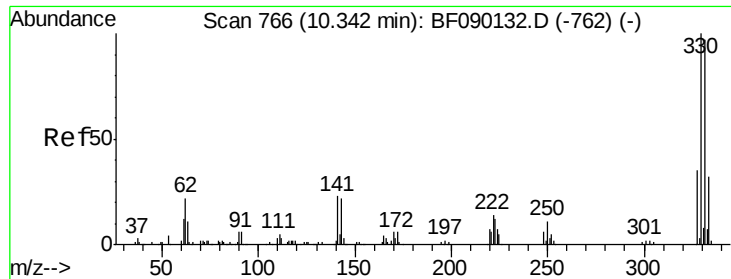
sohil
9/30/2016 4:00:40 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.4	122.2
160	43.9	36.6	54.8





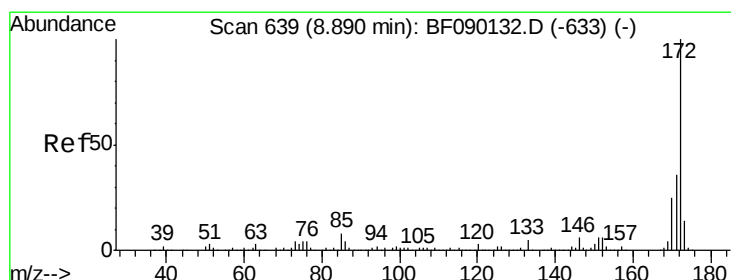
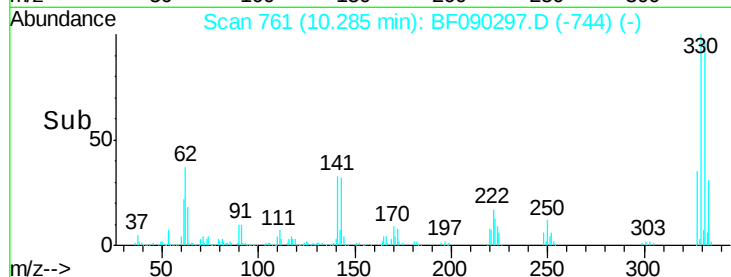
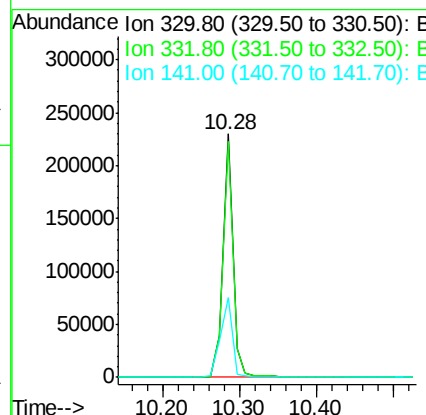
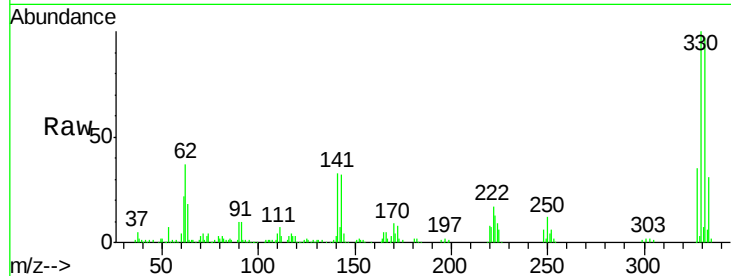
#41
 2,4,6-Tribromophenol
 Concen: 100.50 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090297.D
 Acq: 29 Sep 2016 18:49

Instrument :
 BNA_F
 ClientSampleId :
 S-29

Tot Ion	Ratio	Resp	Lower	Upper
330	100	211411		
332	97.3	78.1	117.1	
141	38.4	23.9	35.9	

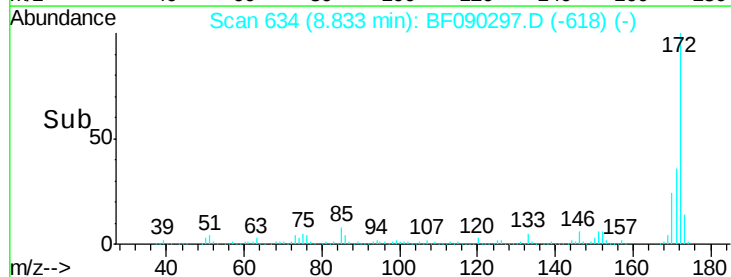
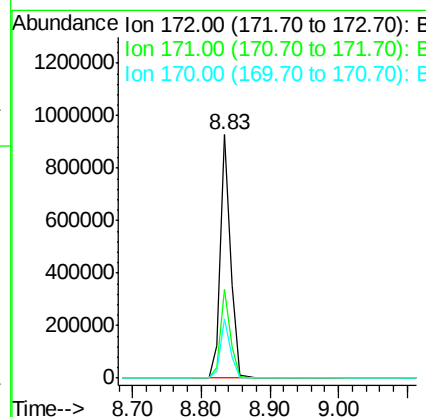
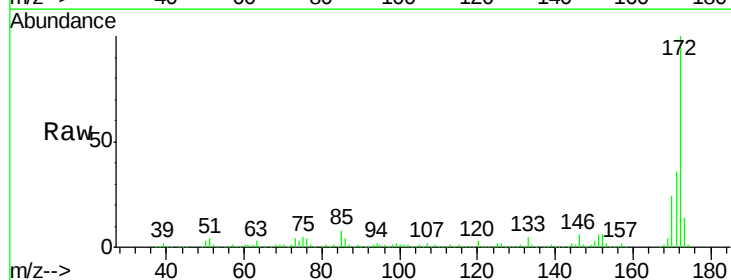
Manual Integrations
 APPROVED

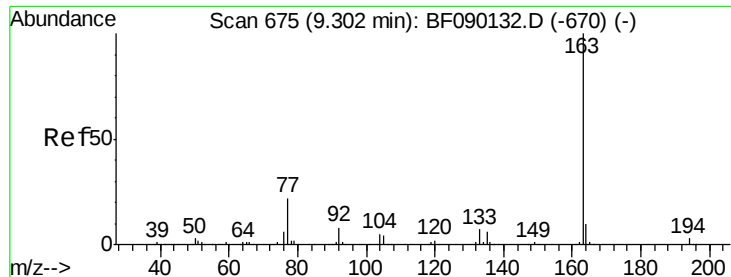
sohil
 9/30/2016 4:00:40 PM



#44
 2-Fluorobiphenyl
 Concen: 79.48 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF090297.D
 Acq: 29 Sep 2016 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	992616		
171	36.2	29.2	43.8	
170	24.4	19.8	29.8	





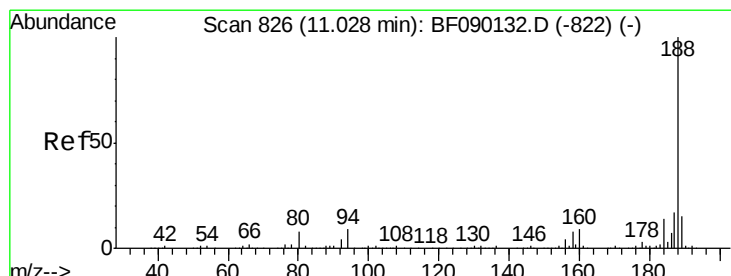
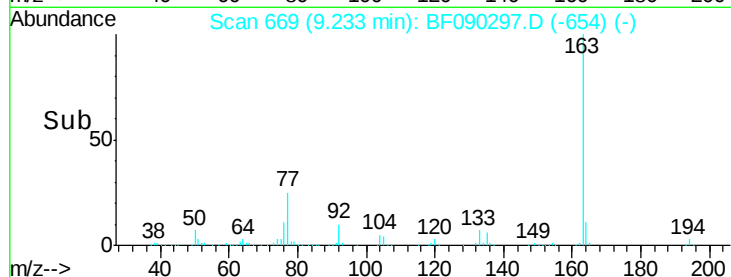
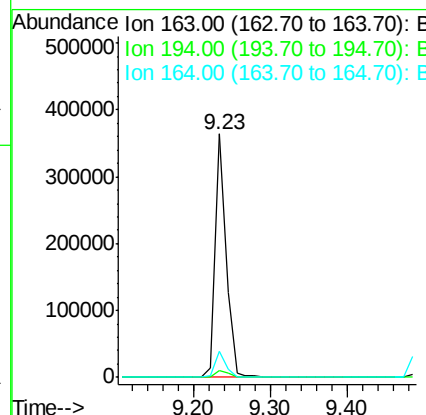
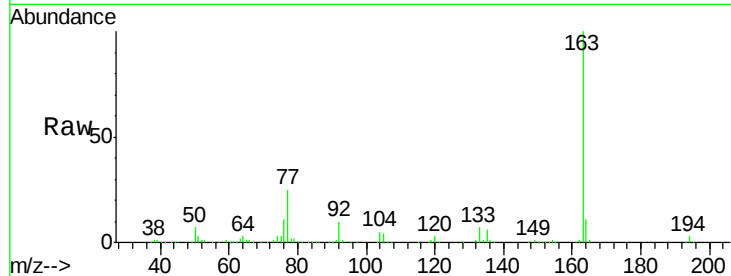
#49
Dimethylphthalate
Concen: 22.87 ng
RT: 9.23 min Scan# 669
Delta R.T. -0.03 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Instrument :
BNA_F
ClientSampled :
S-29

Tot Ion	Ratio	Resp	Lower	Upper
163	100	357217		
194	2.9		2.8	4.2
164	10.7		8.1	12.1

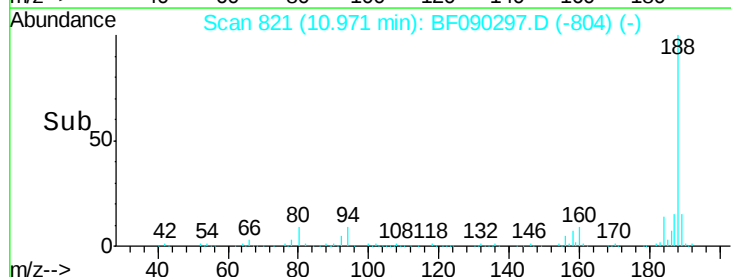
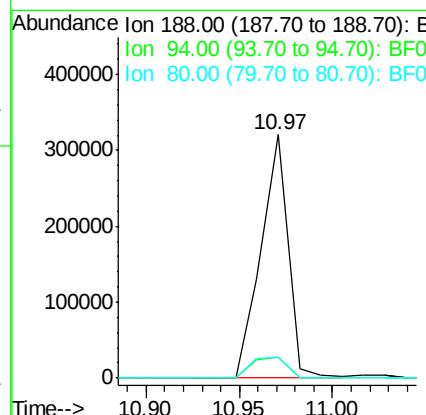
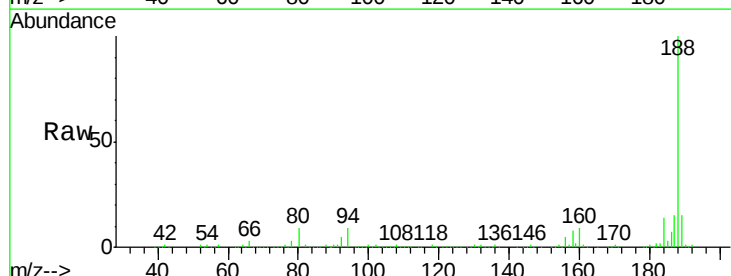
Manual Integrations
APPROVED

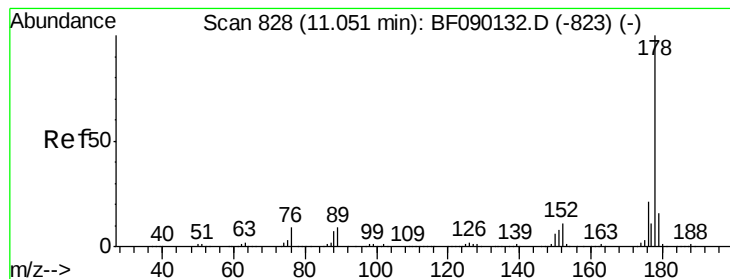
sohil
9/30/2016 4:00:40 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.97 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	322080		
94	8.8		10.5	15.7#
80	8.6		11.2	16.8#





#70

Phenanthrene

Concen: 14.55 ng

RT: 10.99 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

Instrument :

BNA_F

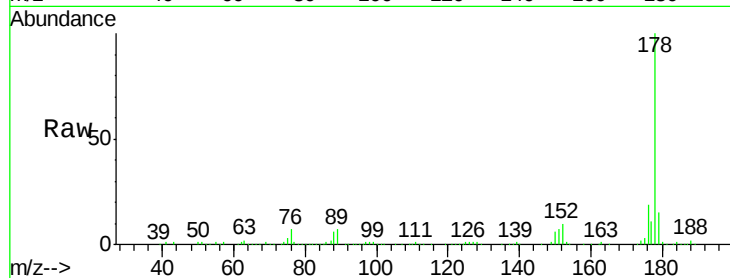
ClientSampleId :

S-29

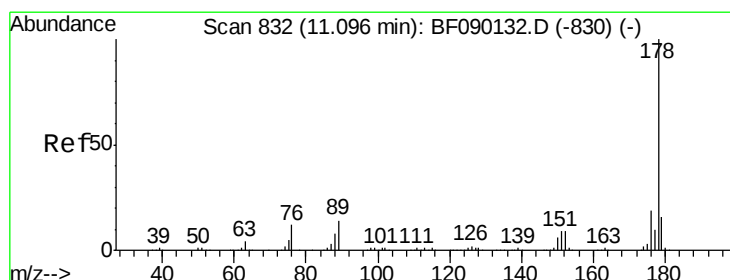
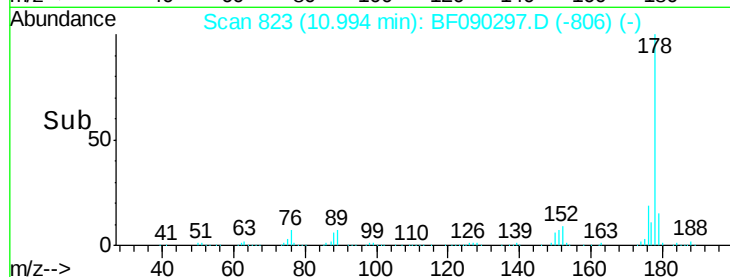
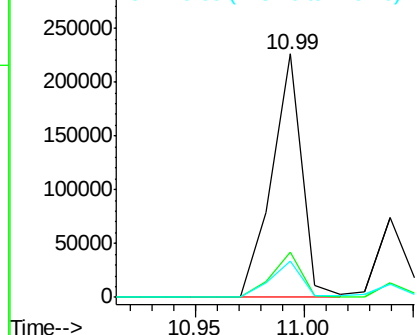
Tot Ion:	178	Resp:	219223
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.9	23.9
179	15.0	12.9	19.3

Manual Integrations
APPROVED

sohil
9/30/2016 4:00:40 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 4.49 ng

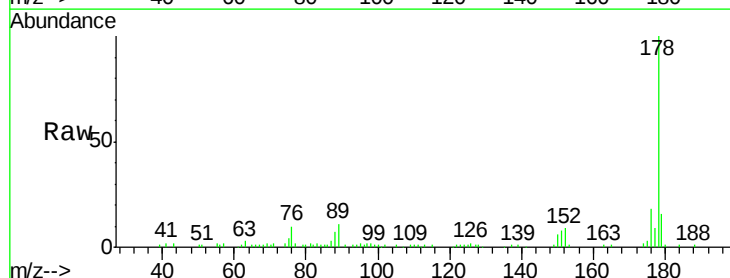
RT: 11.04 min Scan# 827

Delta R.T. -0.02 min

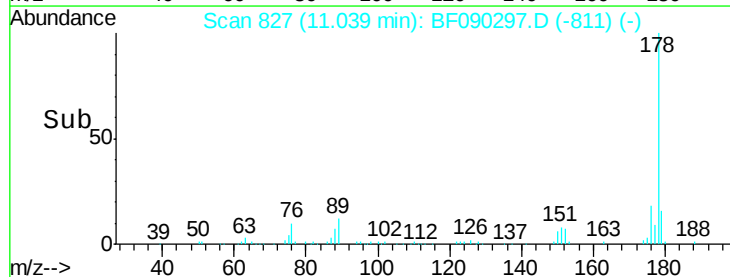
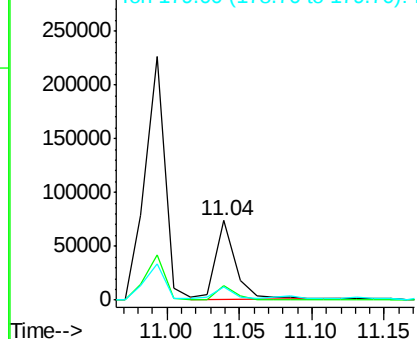
Lab File: BF090297.D

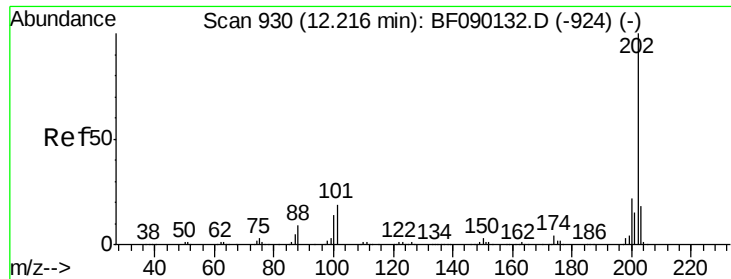
Acq: 29 Sep 2016 18:49

Tgt Ion:	178	Resp:	70979
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.8	23.6
179	15.9	12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 21.79 ng

RT: 12.17 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

Instrument :

BNA_F

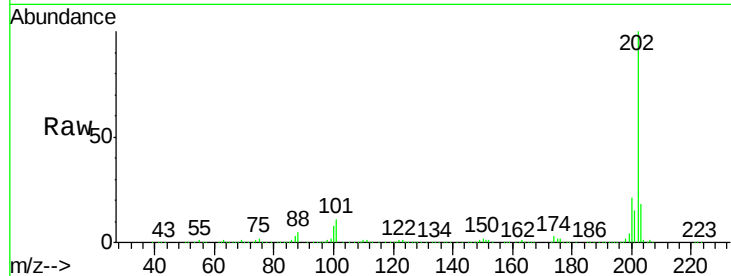
ClientSampled :

S-29

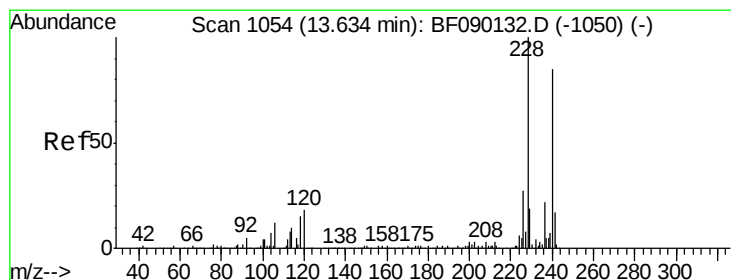
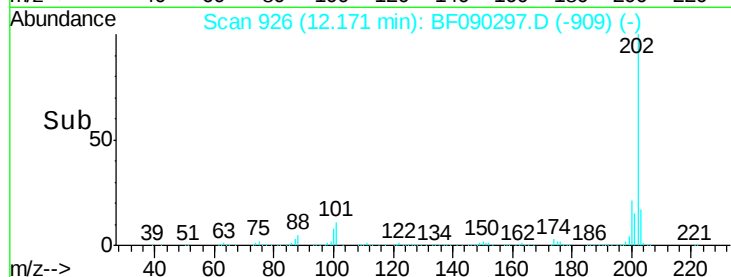
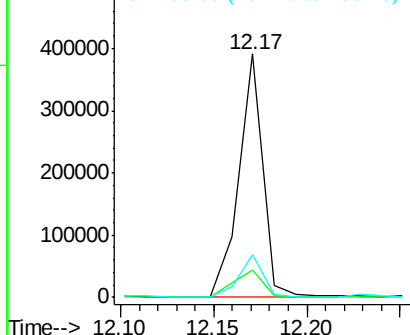
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.4	0.0	36.1
203	17.5	0.0	38.2

Manual Integrations
APPROVED

sohil
9/30/2016 4:00:40 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

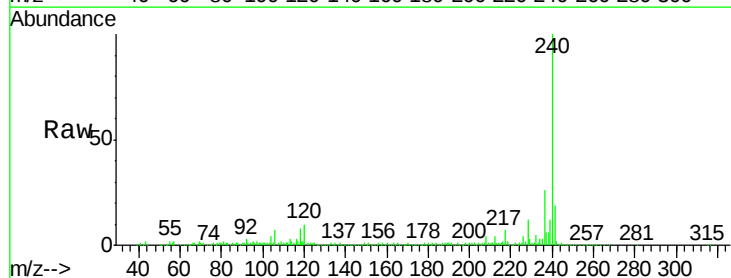
RT: 13.59 min Scan# 1050

Delta R.T. -0.01 min

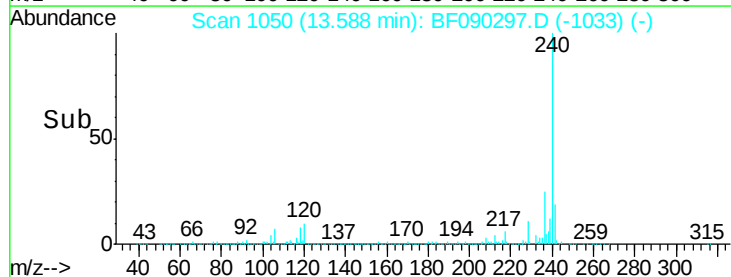
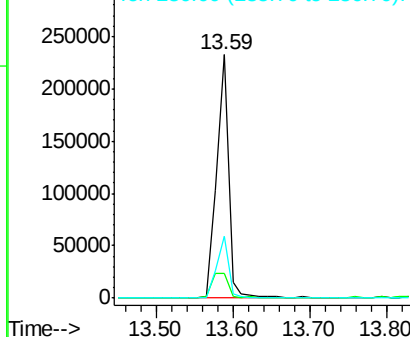
Lab File: BF090297.D

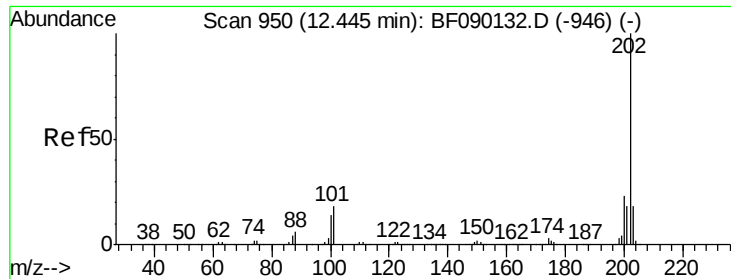
Acq: 29 Sep 2016 18:49

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.1	10.6	16.0#
236	25.6	21.6	32.4



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 17.83 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

Instrument :

BNA_F

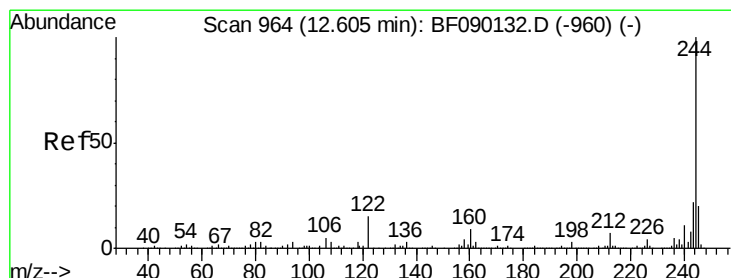
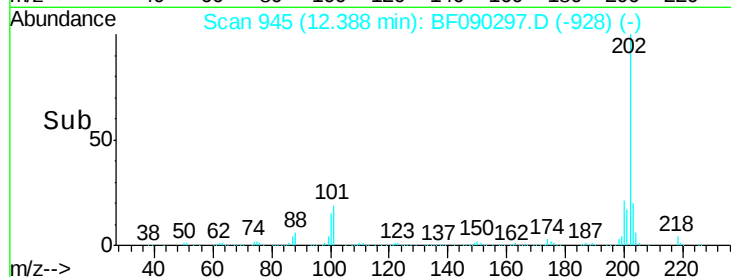
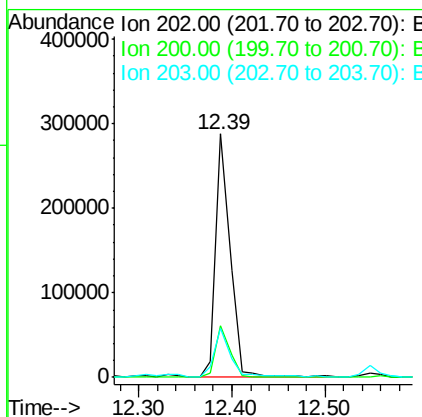
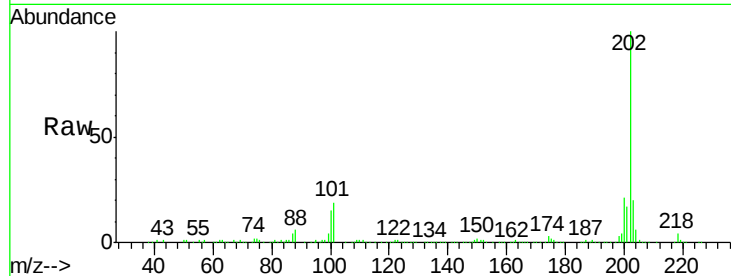
ClientSampled :

S-29

Tot Ion:	202	Resp:	304099
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.9	26.9
203	20.2	14.2	21.4

Manual Integrations
APPROVED

sohil
9/30/2016 4:00:40 PM



#78

Terphenyl-d14

Concen: 72.43 ng

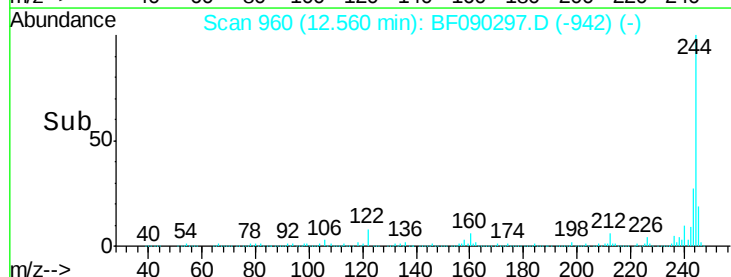
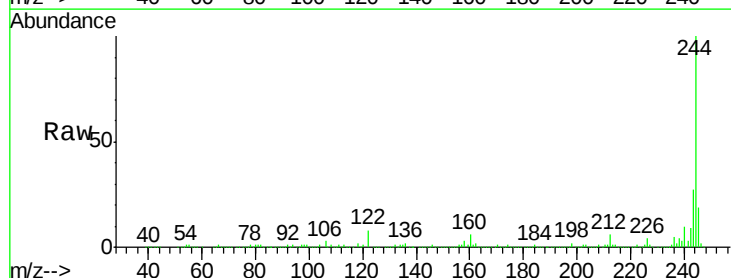
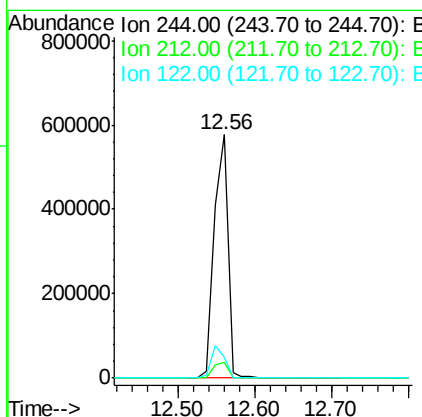
RT: 12.56 min Scan# 960

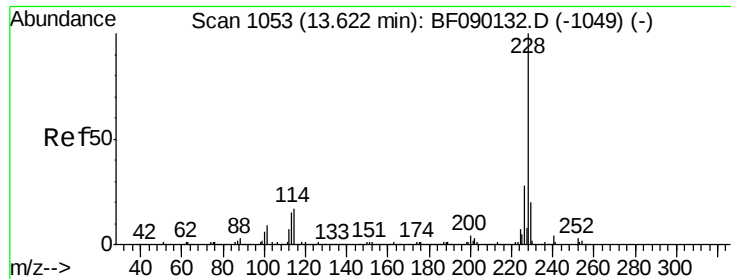
Delta R.T. 0.00 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

Tgt Ion:	244	Resp:	711117
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.8	8.8
122	8.4	9.4	14.0#





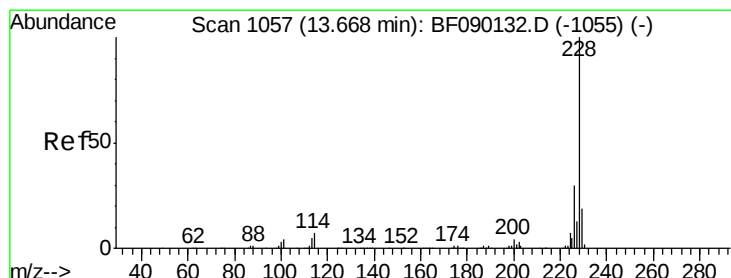
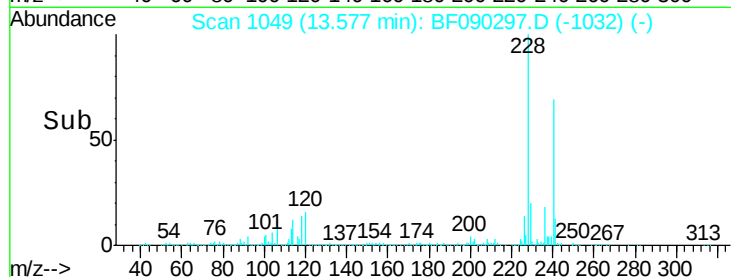
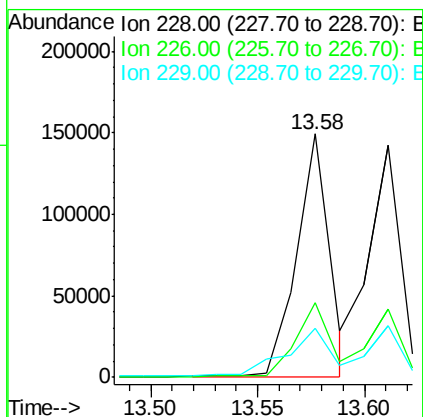
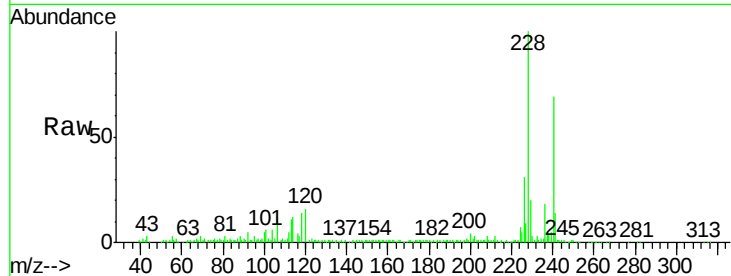
#80
Benzo(a)anthracene
Concen: 12.04 ng m
RT: 13.58 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Instrument :
BNA_F
ClientSampled :
S-29

Tot Ion:	228	Resp:	161451
Ion Ratio	Lower	Upper	
228	100		
226	30.6	22.0	33.0
229	20.2	16.2	24.2

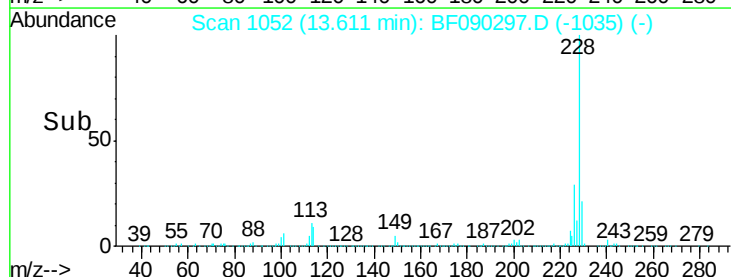
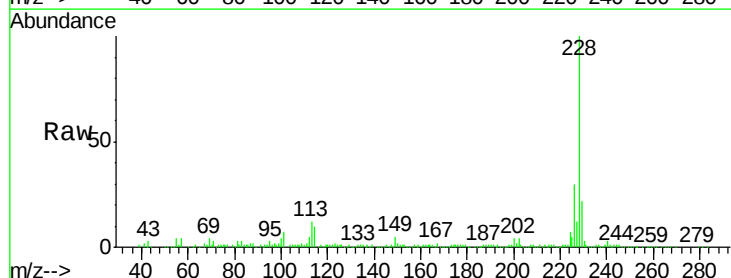
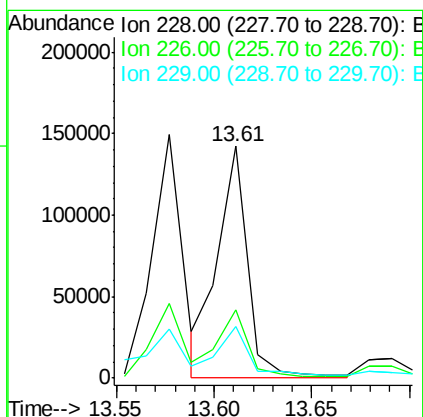
Manual Integrations
APPROVED

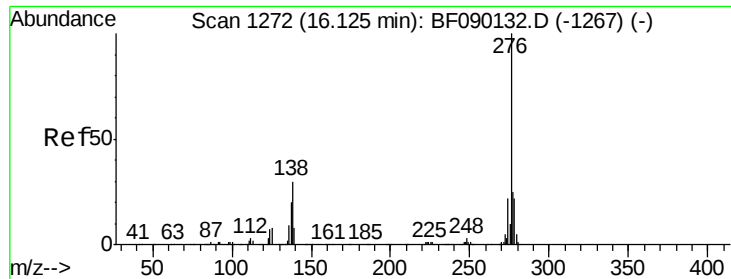
sohil
9/30/2016 4:00:40 PM



#82
Chrysene
Concen: 11.78 ng m
RT: 13.61 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Tgt Ion:	228	Resp:	153844
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.6	37.0
229	22.4	16.2	24.4





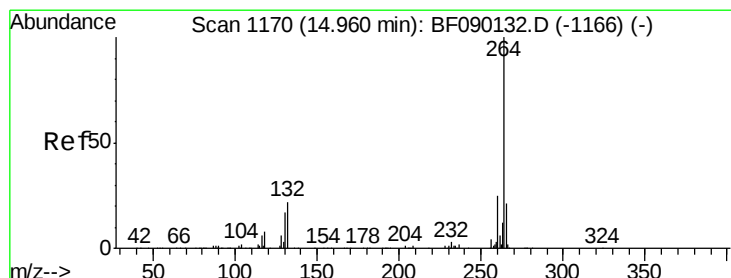
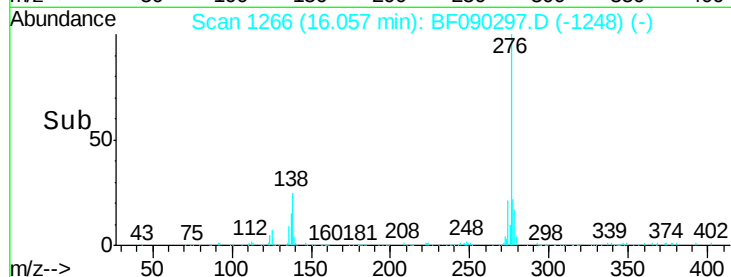
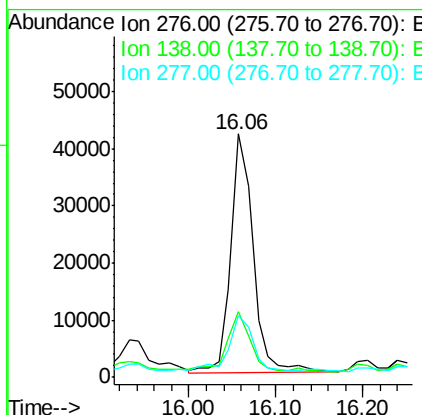
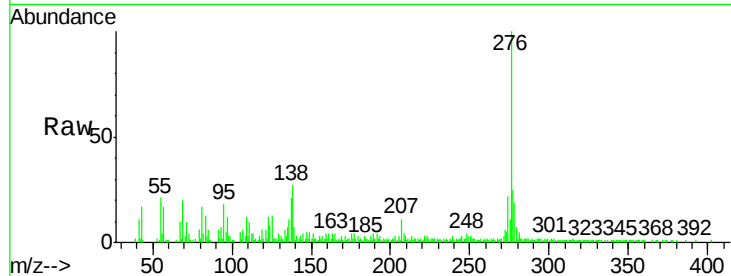
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.08 ng
RT: 16.06 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Instrument :
BNA_F
ClientSampled :
S-29

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.2	25.9	38.9
277	26.9	19.9	29.9

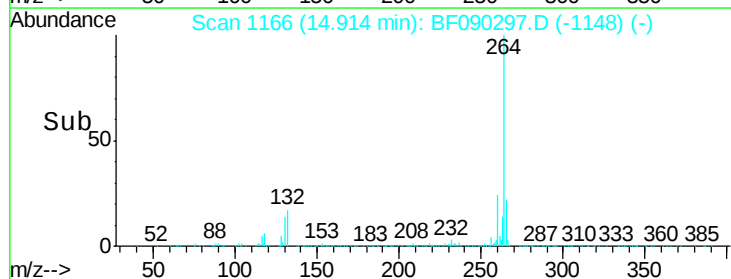
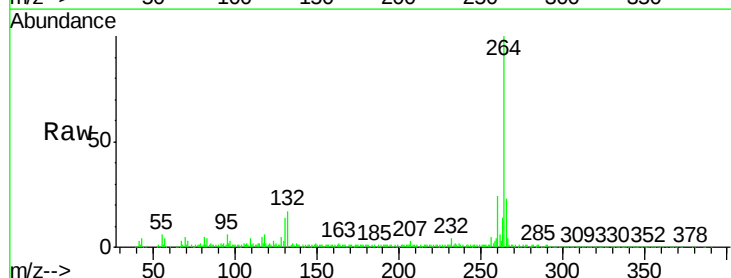
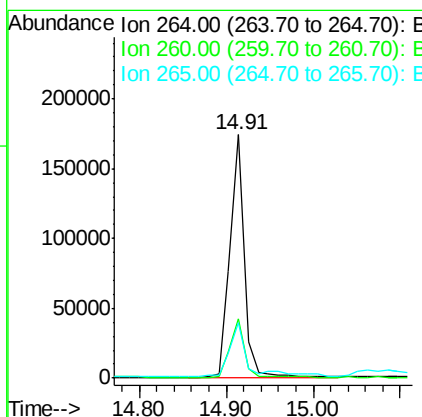
Manual Integrations
APPROVED

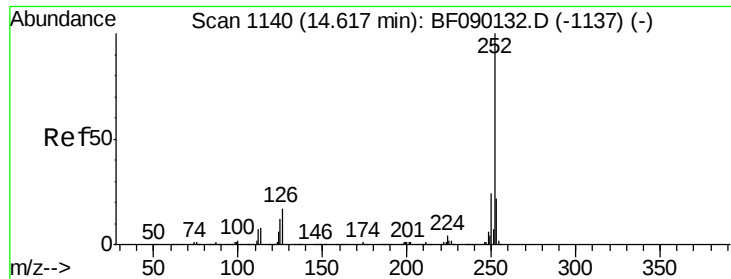
sohil
9/30/2016 4:00:40 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.91 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.9	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 16.16 ng m

RT: 14.57 min Scan# 1136

Delta R.T. 0.00 min

Lab File: BF090297.D

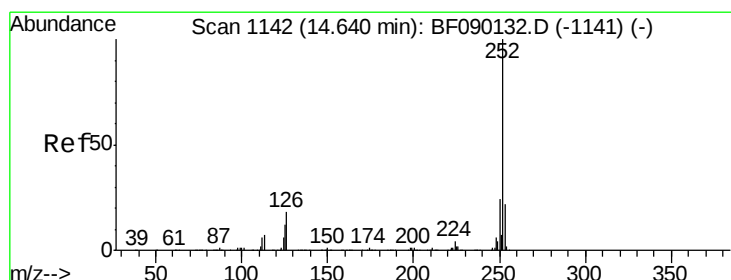
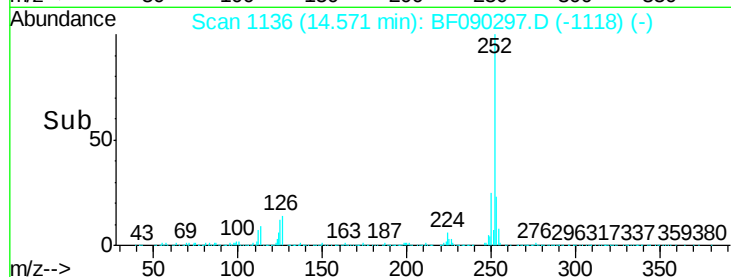
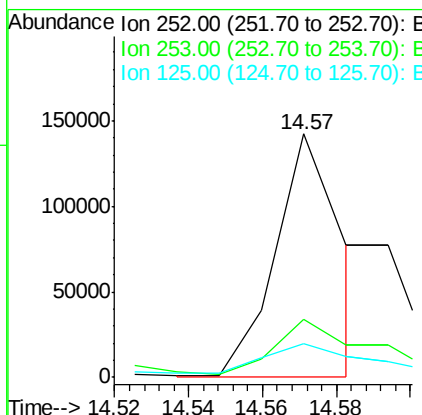
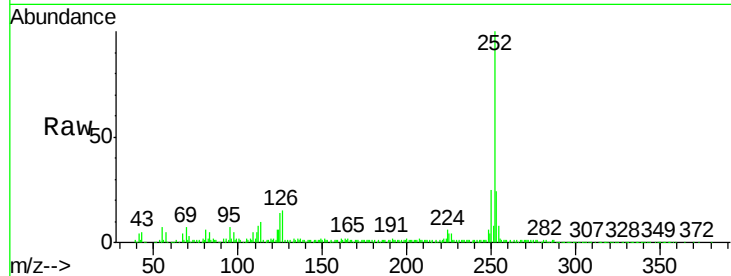
Acq: 29 Sep 2016 18:49

Instrument :
BNA_F
ClientSampled :
S-29

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	13.9	12.7	19.1

Manual Integrations
APPROVED

sohil
9/30/2016 4:00:40 PM



#88

Benzo(k)fluoranthene

Concen: 6.33 ng m

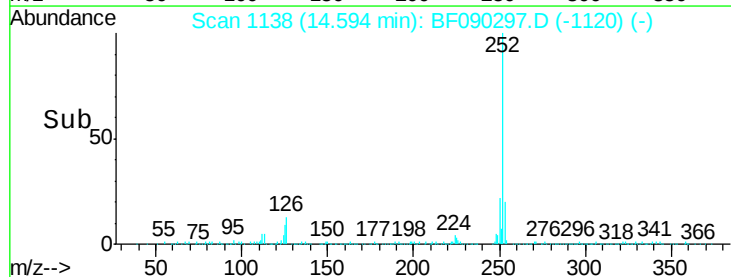
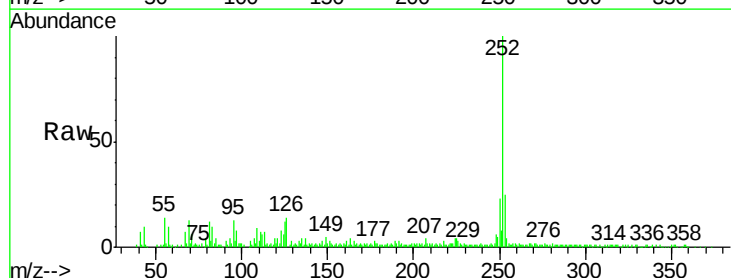
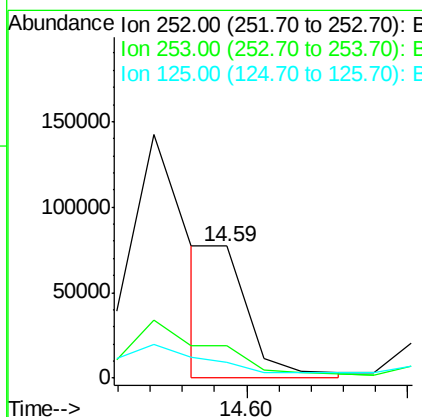
RT: 14.59 min Scan# 1138

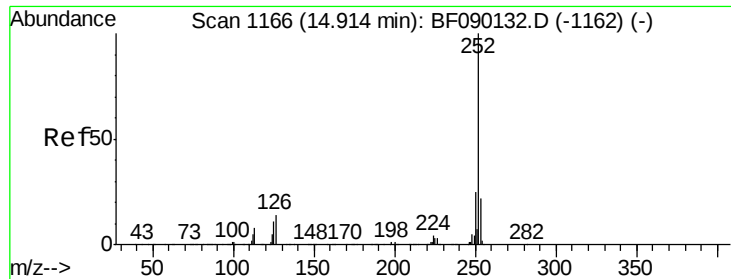
Delta R.T. 0.00 min

Lab File: BF090297.D

Acq: 29 Sep 2016 18:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.8
125	12.2	7.8	11.6#





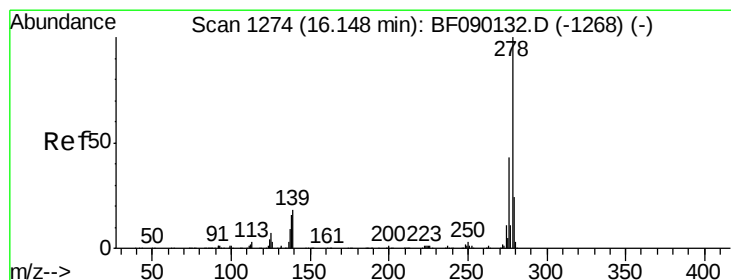
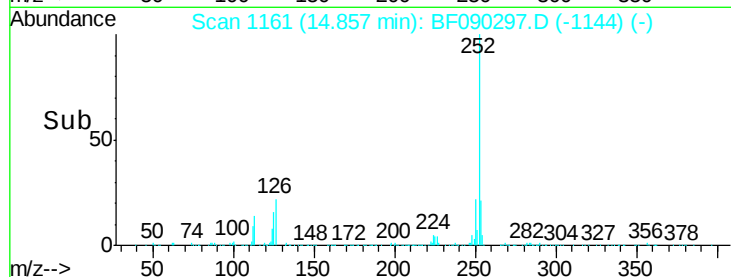
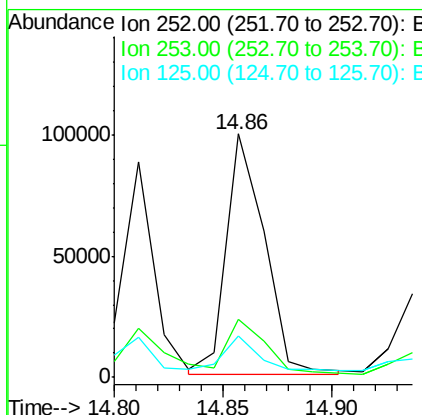
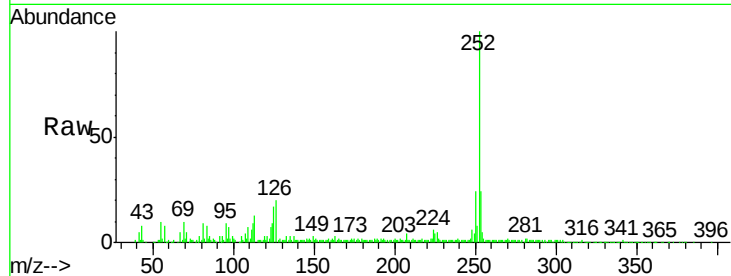
#89
Benzo(a)pyrene
Concen: 11.67 ng
RT: 14.86 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Instrument :
BNA_F
ClientSampled :
S-29

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	17.2	7.7	11.5#

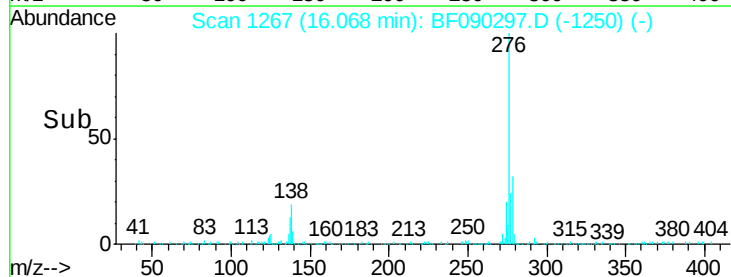
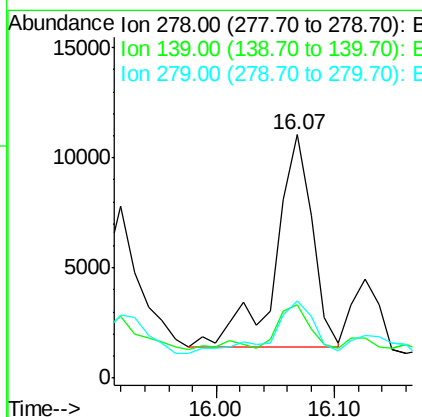
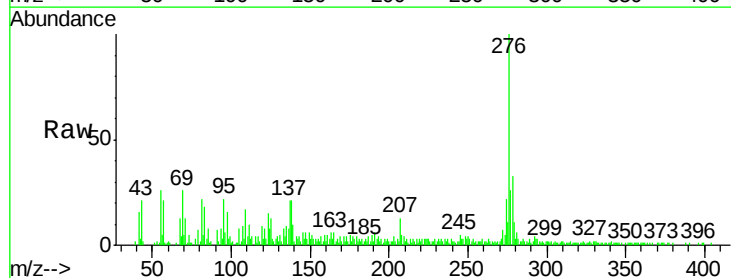
Manual Integrations
APPROVED

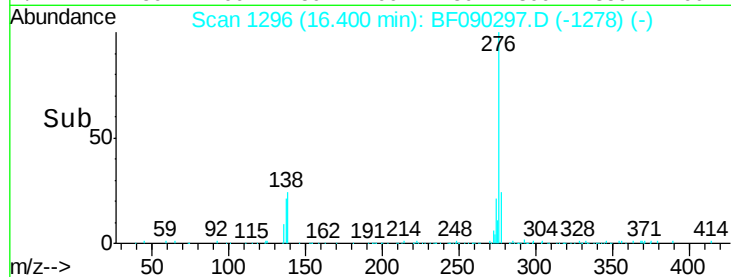
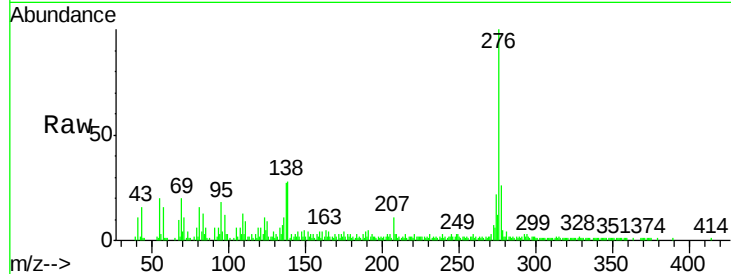
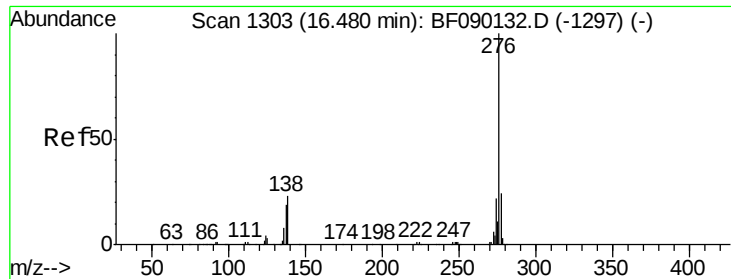
sohil
9/30/2016 4:00:40 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.57 ng
RT: 16.07 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF090297.D
Acq: 29 Sep 2016 18:49

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.2	14.6	21.8#
279	31.9	18.8	28.2#





#91
 Benzo(a,h,i)perylene
 Concen: 8.69 ng
 RT: 16.40 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: BF090297.D
 Acq: 29 Sep 2016 18:49

Instrument :
 BNA_F
 ClientSampleId :
 S-29

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.9	28.3
138	27.5	23.3	34.9

Manual Integrations
 APPROVED

sohil
 9/30/2016 4:00:40 PM

