

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091916\
 Data File : BF090126.D
 Acq On : 19 Sep 2016 18:09
 Operator : UM/SJ
 Sample : H4840-01 20X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILL-1-SOILPILE

Manual Integrations
 APPROVED

umangi
 9/19/2016 7:20:06 PM

Quant Time: Sep 19 19:01:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 15 11:18:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	135215m	20.00	ng	-0.01
21) Naphthalene-d8	7.82	136	547671	20.00	ng	-0.02
38) Acenaphthene-d10	9.56	164	296613	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	394610	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	325380	20.00	ng	-0.02
86) Perylene-d12	14.97	264	314074	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	7608	0.90	ng	-0.01
7) Phenol-d6	6.19	99	11319	1.03	ng	-0.01
23) Nitrobenzene-d5	7.11	82	5982	0.61	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	1948	0.65	ng	-0.02
44) 2-Fluorobiphenyl	8.90	172	15992	0.85	ng	-0.02
78) Terphenyl-d14	12.62	244	10752	0.78	ng	-0.02

Target Compounds Qvalue

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

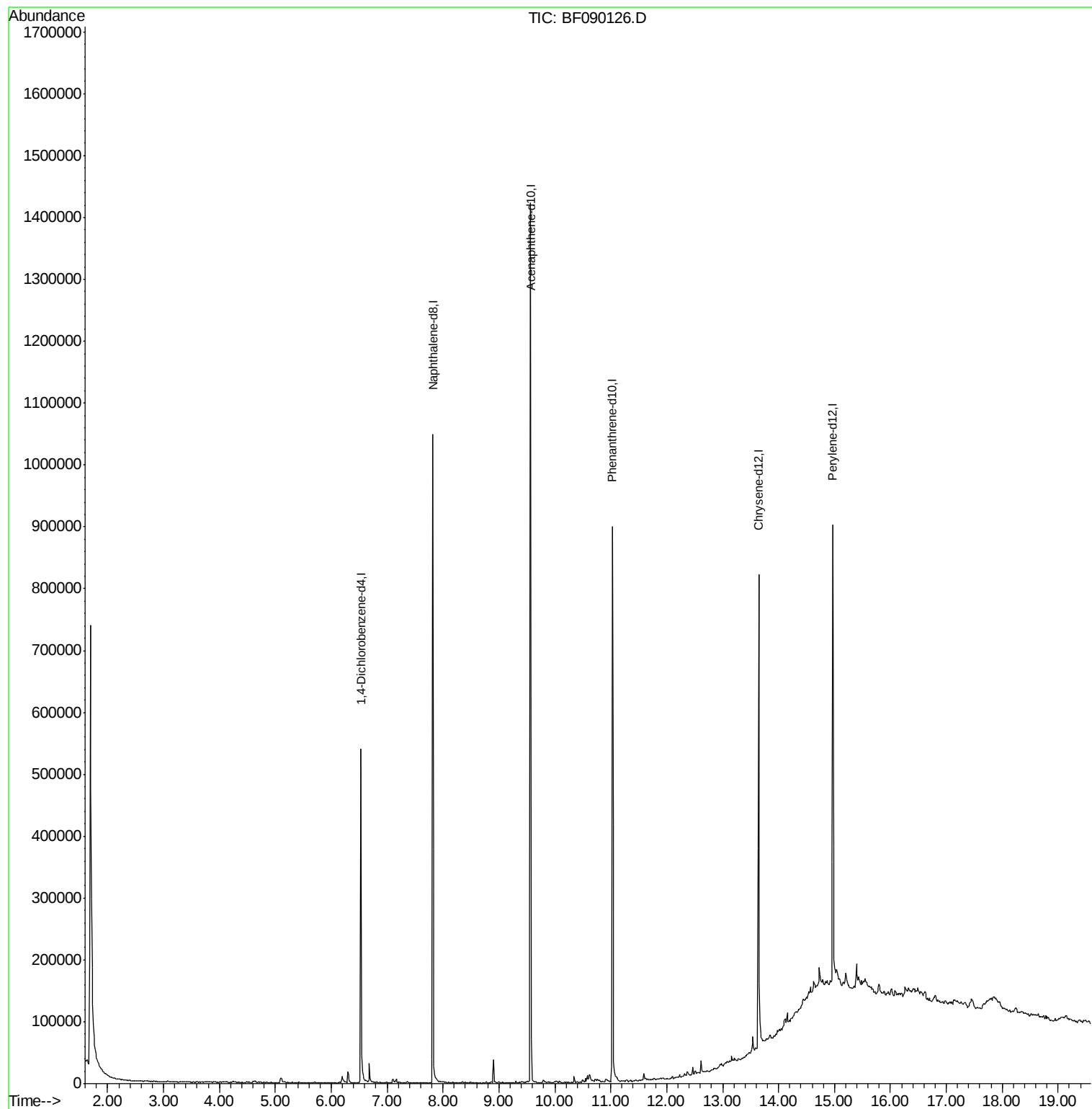
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091916\
Data File : BF090126.D
Acq On : 19 Sep 2016 18:09
Operator : UM/SJ
Sample : H4840-01 20X
Misc :
ALS Vial : 7 Sample Multiplier: 1

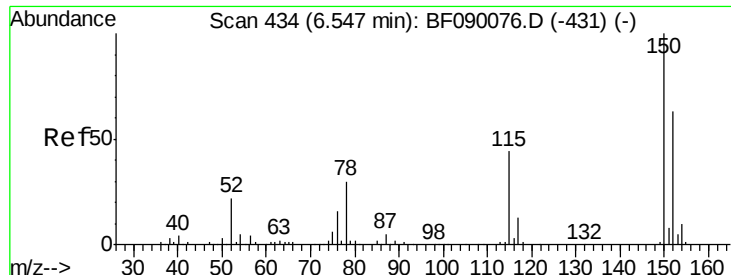
Instrument :
BNA_F
ClientSampleId :
FILL-1-SOILPILE

Manual Integrations
APPROVED

umangi
9/19/2016 7:20:06 PM

Quant Time: Sep 19 19:01:48 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 15 11:18:43 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng m

RT: 6.54 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF090126.D

Acq: 19 Sep 2016 18:09

Instrument :

BNA_F

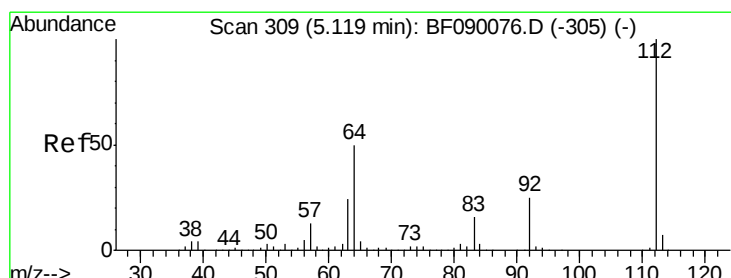
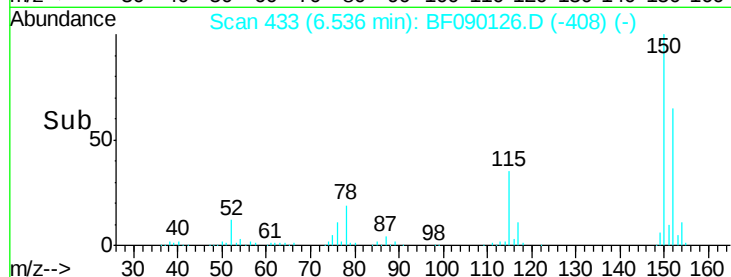
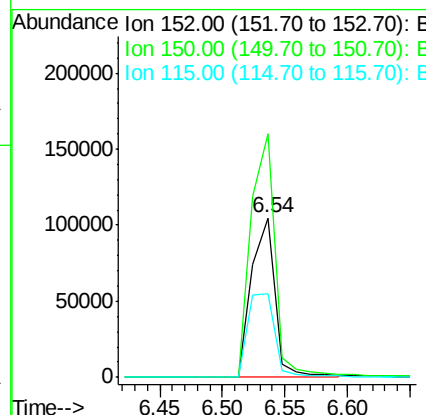
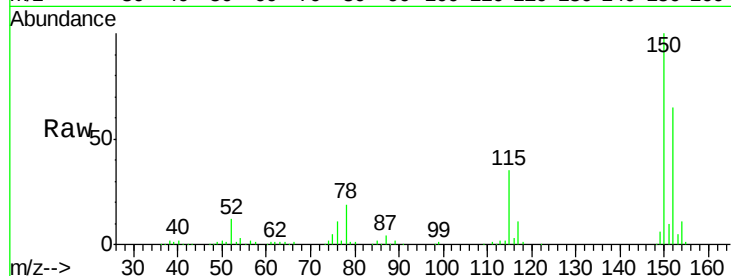
ClientSampleId :

FILL-1-SOILPILE

Tgt Ion:	152	Resp:	135215
Ion Ratio	Lower	Upper	
152	100		
150	153.0	128.9	193.3
115	52.9	55.5	83.3#

Manual Integrations
APPROVED

umangi
9/19/2016 7:20:06 PM



#5

2-Fluorophenol

Concen: 0.90 ng

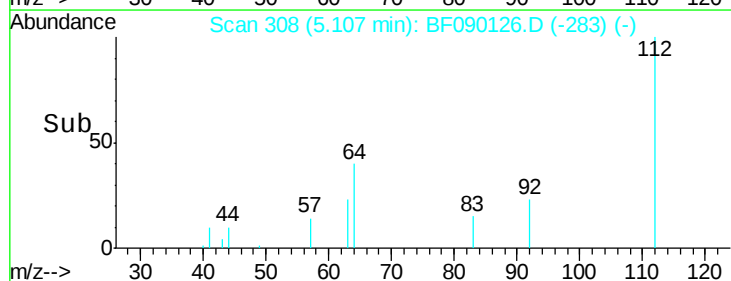
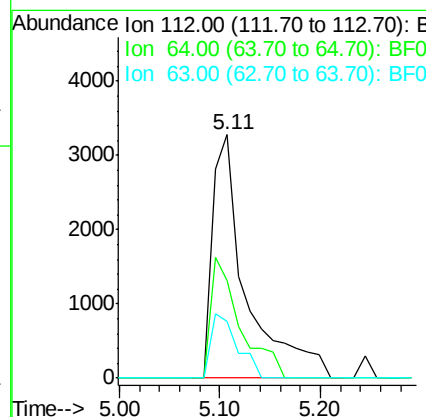
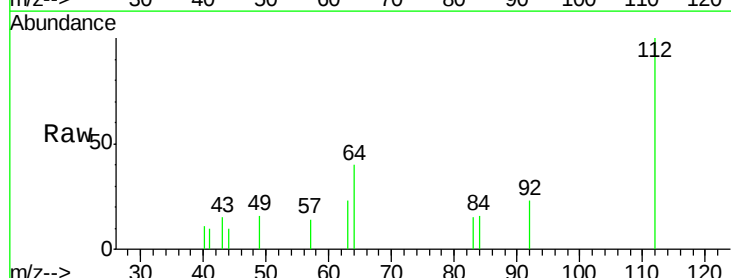
RT: 5.11 min Scan# 308

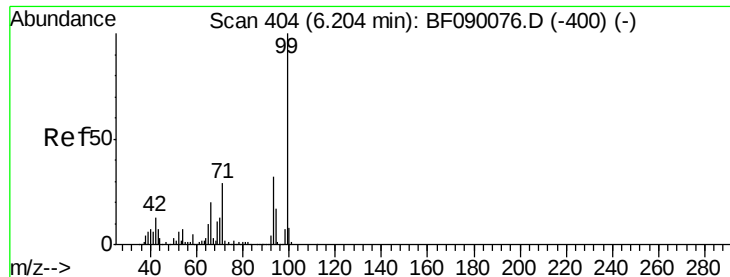
Delta R.T. -0.01 min

Lab File: BF090126.D

Acq: 19 Sep 2016 18:09

Tgt Ion:	112	Resp:	7608
Ion Ratio	Lower	Upper	
112	100		
64	40.2	39.8	59.6
63	23.2	18.9	28.3





#7

Phenol-d6

Concen: 1.03 ng

RT: 6.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: BF090126.D

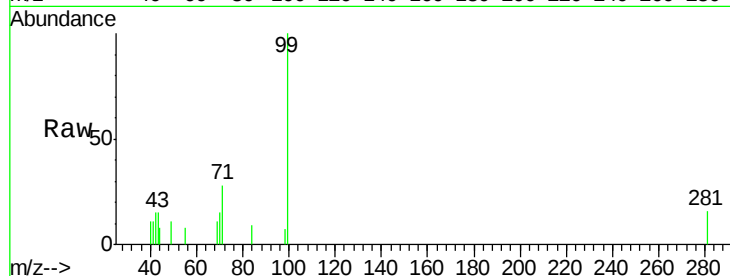
Acq: 19 Sep 2016 18:09

Instrument :

BNA_F

ClientSampleId :

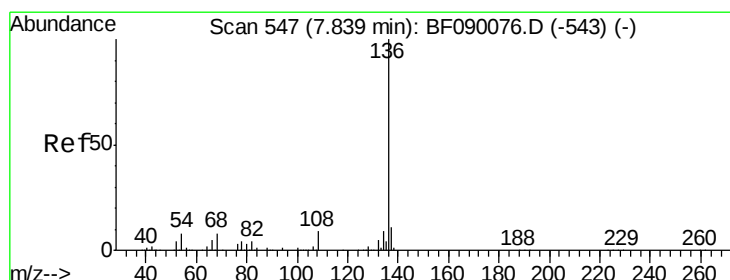
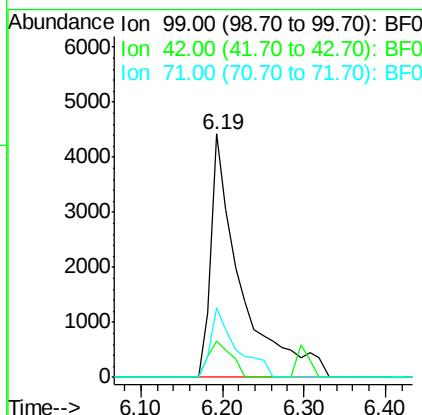
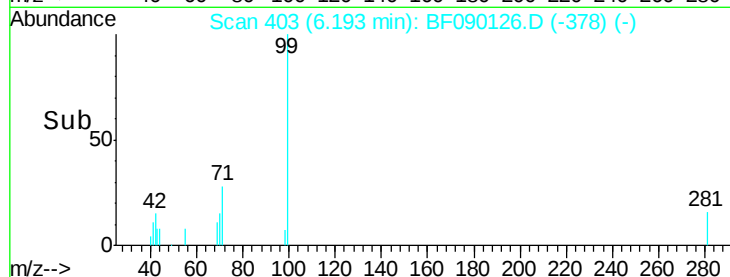
FILL-1-SOILPILE



Tgt Ion:	99	Resp:	11319
Ion Ratio	Lower	Upper	
99	100		
42	14.7	10.6	15.8
71	28.5	23.0	34.6

Manual Integrations
APPROVED

umangi
9/19/2016 7:20:06 PM



#21

Naphthalene-d8

Concen: 20.00 ng

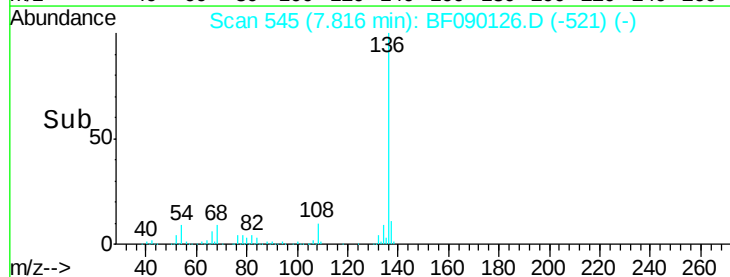
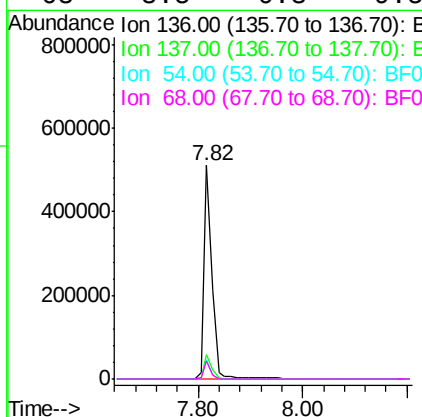
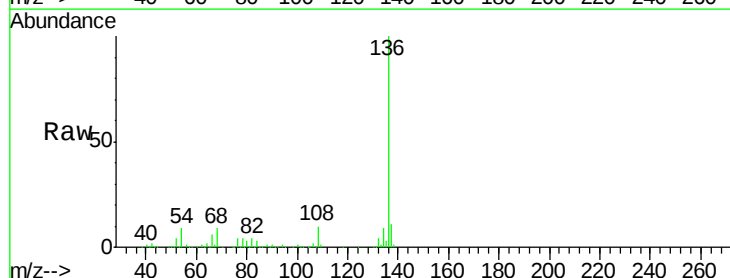
RT: 7.82 min Scan# 545

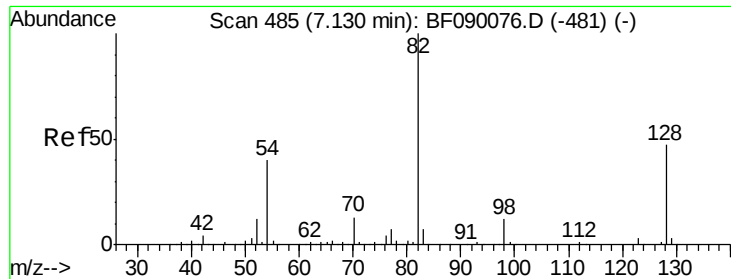
Delta R.T. -0.02 min

Lab File: BF090126.D

Acq: 19 Sep 2016 18:09

Tgt Ion:	136	Resp:	547671
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.0	13.4
54	8.9	6.4	9.6
68	8.5	6.3	9.5





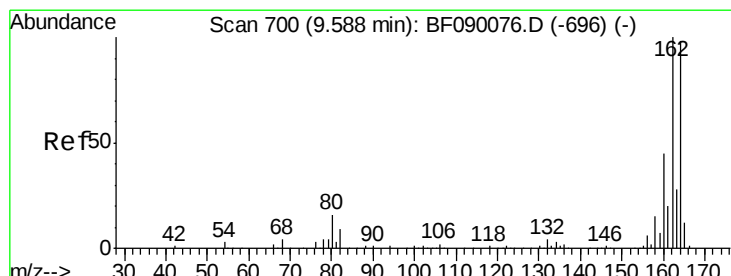
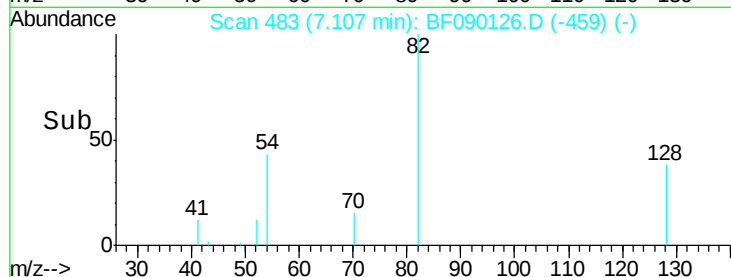
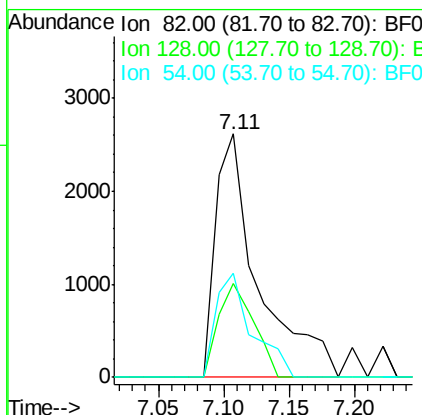
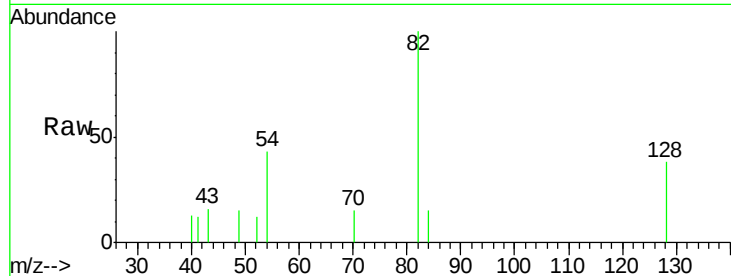
#23
 Nitrobenzene-d5
 Concen: 0.61 ng
 RT: 7.11 min Scan# 483
 Delta R.T. -0.02 min
 Lab File: BF090126.D
 Acq: 19 Sep 2016 18:09

Instrument :
 BNA_F
 ClientSampleId :
 FILL-1-SOILPILE

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.4	37.5	56.3
54	42.9	31.9	47.9

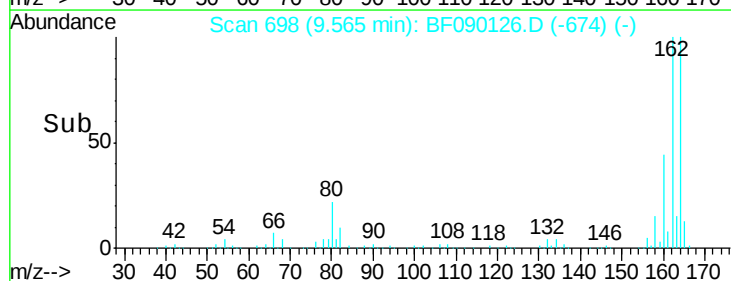
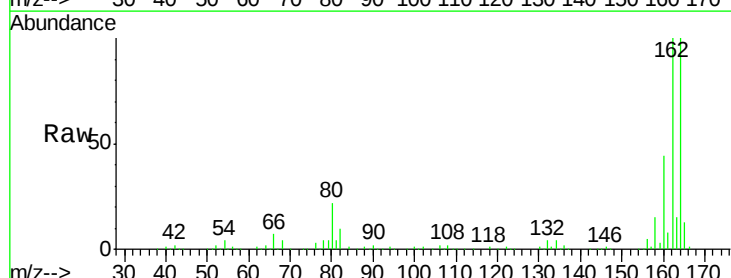
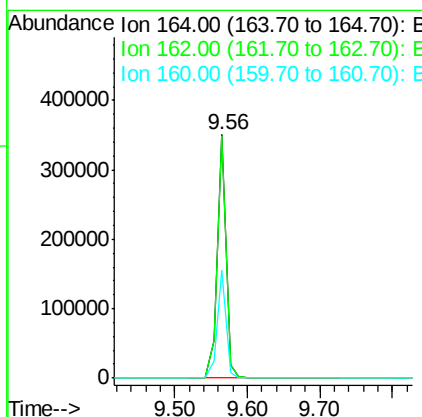
Manual Integrations
 APPROVED

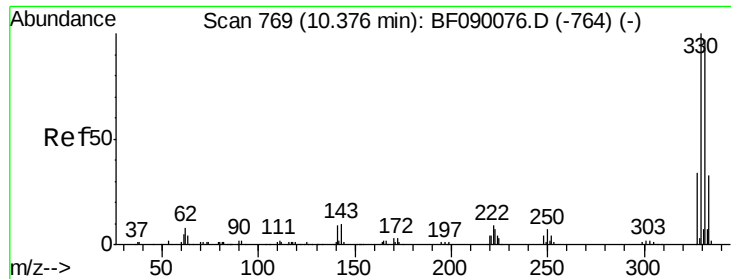
umangi
 9/19/2016 7:20:06 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.02 min
 Lab File: BF090126.D
 Acq: 19 Sep 2016 18:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.4	122.2
160	44.1	36.6	54.8





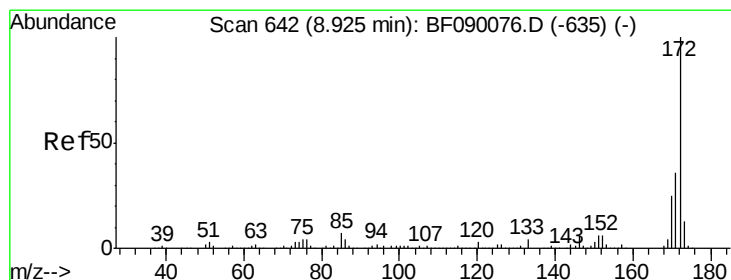
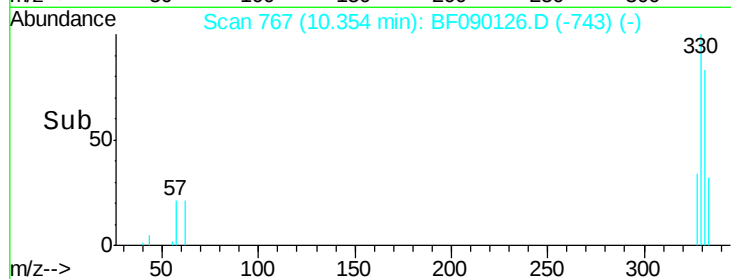
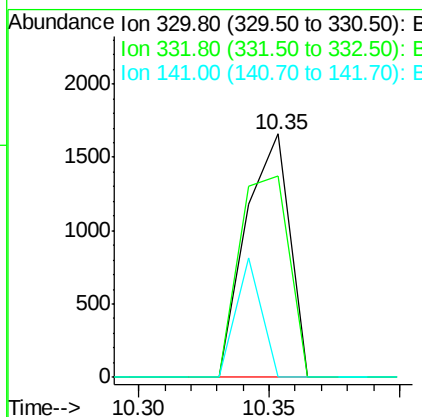
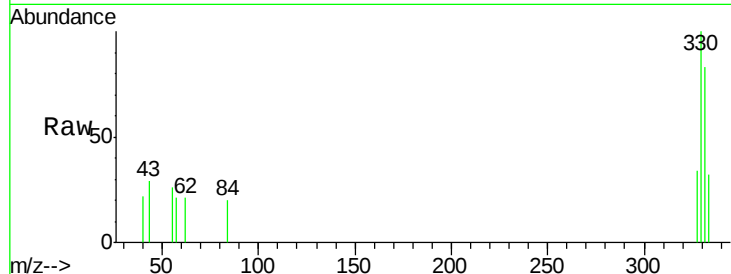
#41
 2,4,6-Tribromophenol
 Concen: 0.65 ng
 RT: 10.35 min Scan# 767
 Delta R.T. -0.02 min
 Lab File: BF090126.D
 Acq: 19 Sep 2016 18:09

Instrument :
 BNA_F
 ClientSampleId :
 FILL-1-SOILPILE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	1948		
332	94.4	78.1	117.1	
141	28.5	23.9	35.9	

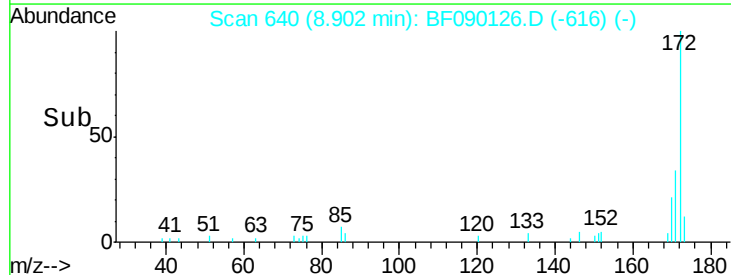
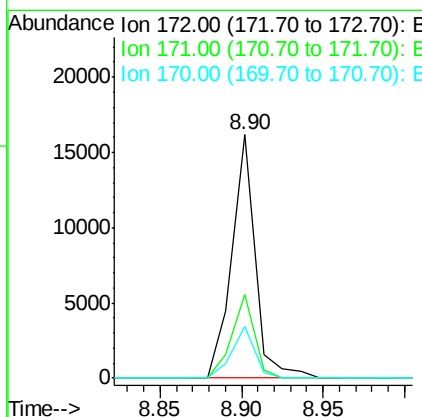
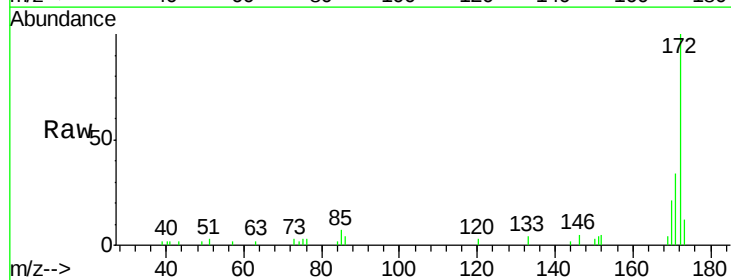
Manual Integrations
 APPROVED

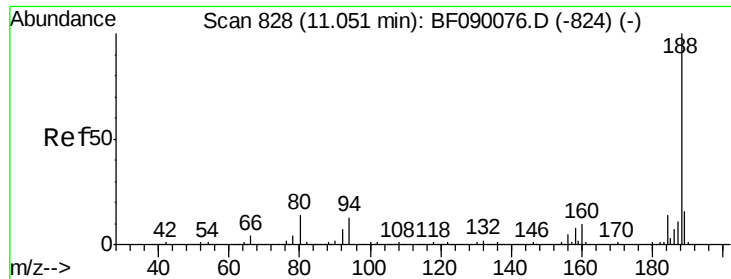
umangi
 9/19/2016 7:20:06 PM



#44
 2-Fluorobiphenyl
 Concen: 0.85 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: BF090126.D
 Acq: 19 Sep 2016 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	15992		
171	34.1	29.2	43.8	
170	21.4	19.8	29.8	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.03 min Scan# 826

Delta R.T. -0.02 min

Lab File: BF090126.D

Acq: 19 Sep 2016 18:09

Instrument :

BNA_F

ClientSampleId :

FILL-1-SOILPILE

Tgt Ion:188 Resp: 394610

Ion Ratio Lower Upper

188 100

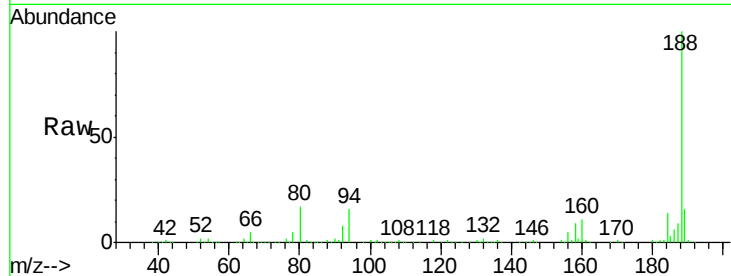
94 15.8 10.5 15.7#

80 16.7 11.2 16.8

Manual Integrations
APPROVED

umangi

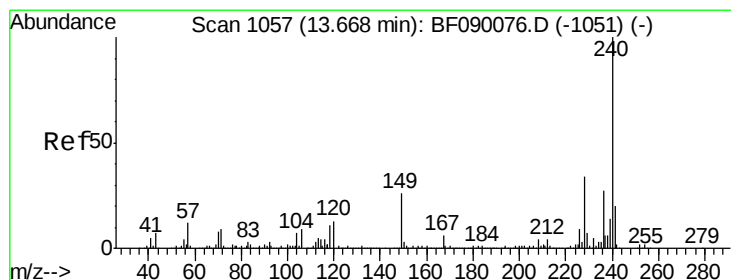
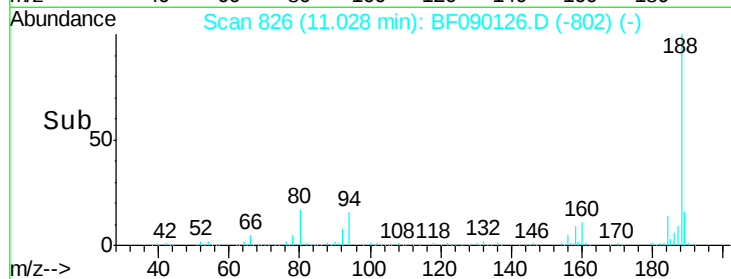
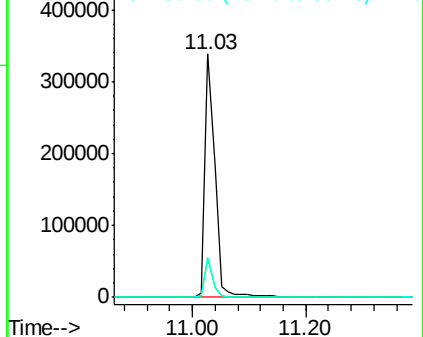
9/19/2016 7:20:06 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF090126.D

Acq: 19 Sep 2016 18:09

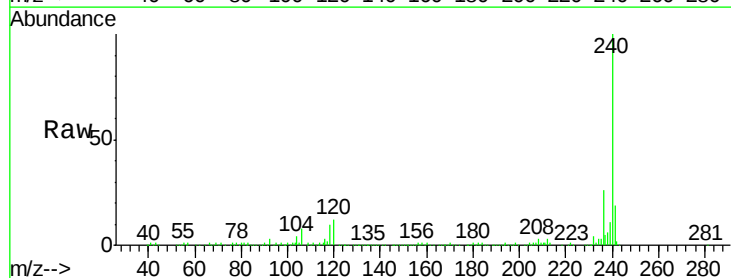
Tgt Ion:240 Resp: 325380

Ion Ratio Lower Upper

240 100

120 11.7 10.6 16.0

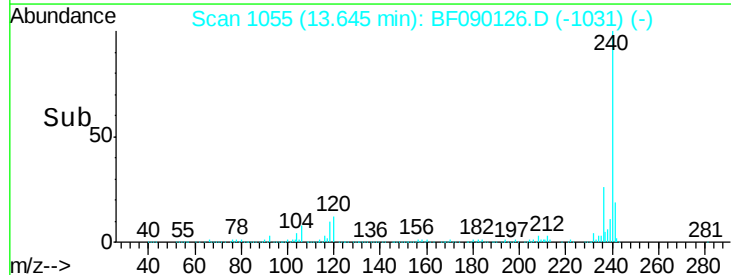
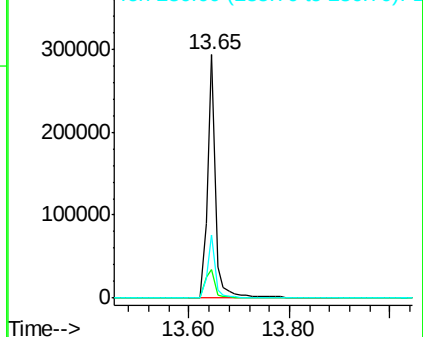
236 26.1 21.6 32.4

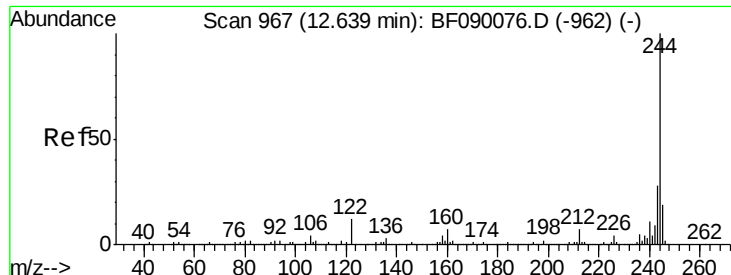


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





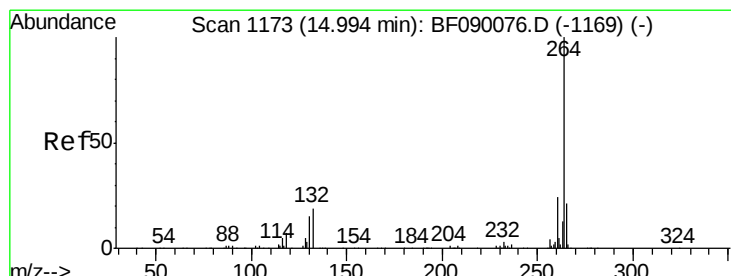
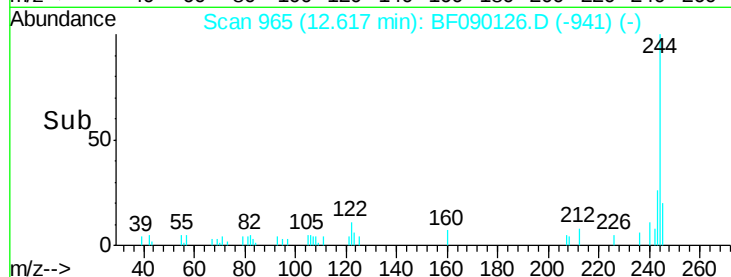
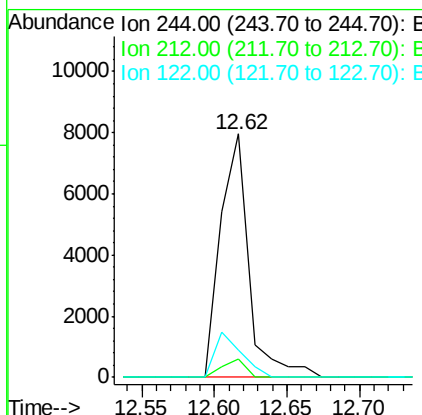
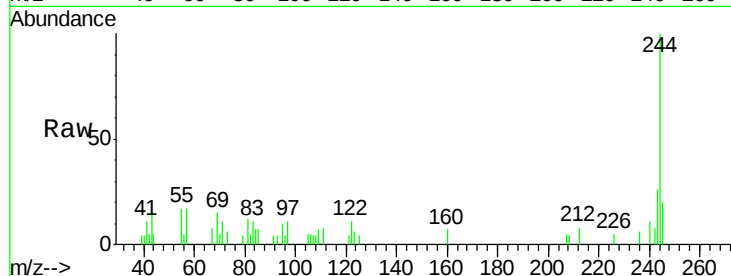
#78
 Terphenyl-d14
 Concen: 0.78 ng
 RT: 12.62 min Scan# 965
 Delta R.T. -0.02 min
 Lab File: BF090126.D
 Acq: 19 Sep 2016 18:09

Instrument :
 BNA_F
 ClientSampleId :
 FILL-1-SOILPILE

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	11.3	9.4	14.0

Manual Integrations
 APPROVED

umangi
 9/19/2016 7:20:06 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.97 min Scan# 1171
 Delta R.T. -0.02 min
 Lab File: BF090126.D
 Acq: 19 Sep 2016 18:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.7	17.0	25.4

