

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121916\
 Data File : BF091803.D
 Acq On : 20 Dec 2016 5:06
 Operator : UM/SJ
 Sample : H6125-03RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-47(8-9.5)-12-14-16RE

Manual Integrations
 APPROVED

sohil
 12/20/2016 6:32:44 PM

Quant Time: Dec 20 13:47:45 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	177633	20.00	ng	0.01
21) Naphthalene-d8	8.11	136	328119	20.00	ng	0.05
38) Acenaphthene-d10	9.86	164	199650	20.00	ng	0.05
63) Phenanthrene-d10	11.30	188	457831	20.00	ng	0.01
75) Chrysene-d12	13.93	240	486656	20.00	ng	0.00
86) Perylene-d12	15.32	264	455780	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1129541	106.54	ng	0.00
7) Phenol-d6	6.42	99	1460563	112.95	ng	0.00
23) Nitrobenzene-d5	7.36	82	731291	128.53	ng	0.01
41) 2,4,6-Tribromophenol	10.61	330	169552	100.15	ng	0.01
44) 2-Fluorobiphenyl	9.18	172	559915	56.34	ng	0.05
78) Terphenyl-d14	12.90	244	810459	42.05	ng	0.02
Target Compounds						
10) Phenol	6.43	94	121633	8.35	ng	Qvalue # 52
37) 2-Methylnaphthalene	8.85	142	2447386	247.65	ng	97
49) Dimethylphthalate	9.57	163	143260m	10.99	ng	
57) Fluorene	10.38	166	336096	32.00	ng	# 79
70) Phenanthrene	11.32	178	354300	15.49	ng	# 94
74) Fluoranthene	12.51	202	130675m	5.47	ng	
77) Pyrene	12.76	202	130040m	3.70	ng	
83) Bis(2-ethylhexyl)phthalate	13.91	149	678557	32.52	ng	91

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

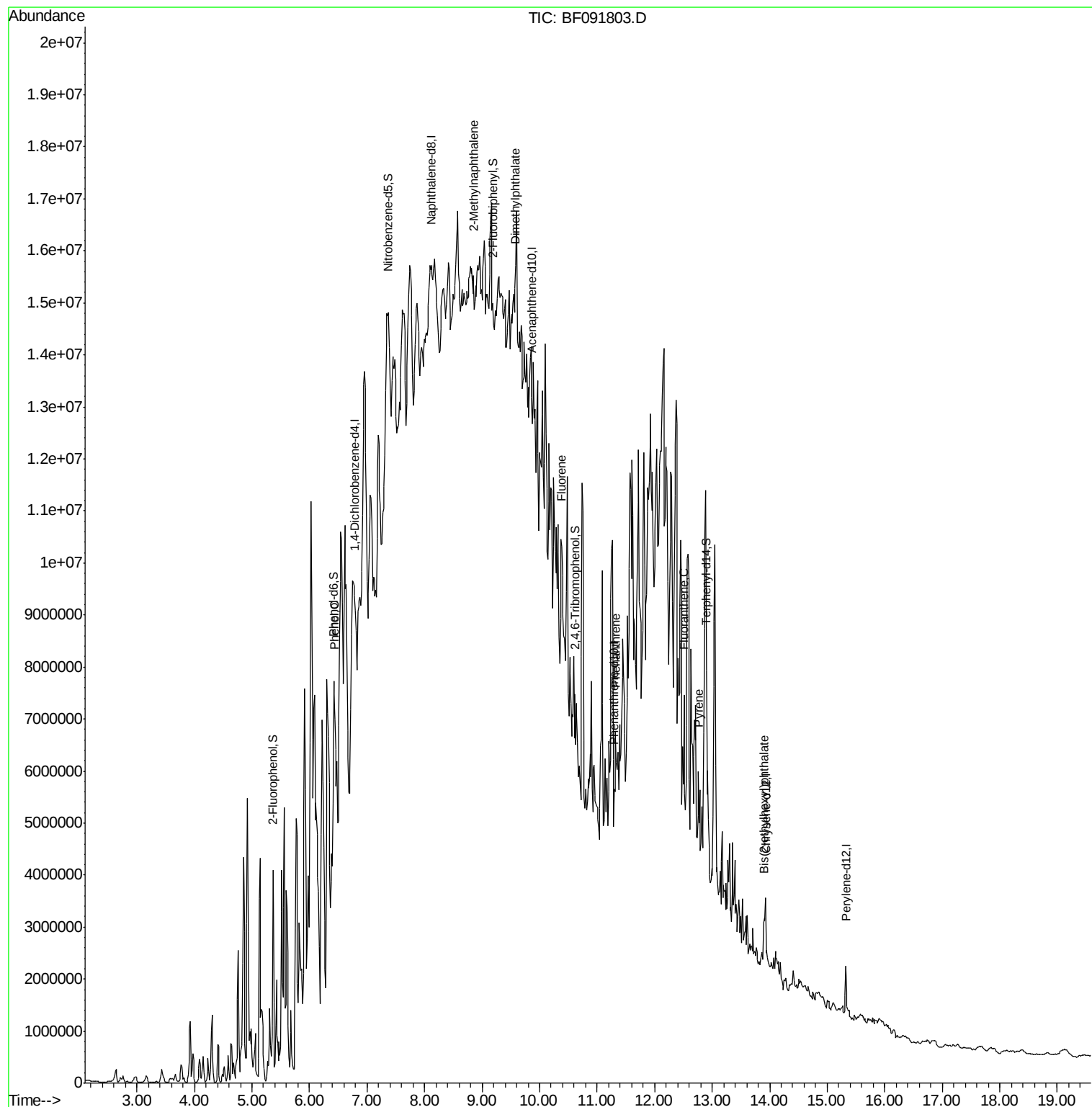
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121916\
Data File : BF091803.D
Acq On : 20 Dec 2016 5:06
Operator : UM/SJ
Sample : H6125-03RE
Misc :
ALS Vial : 23 Sample Multiplier: 1

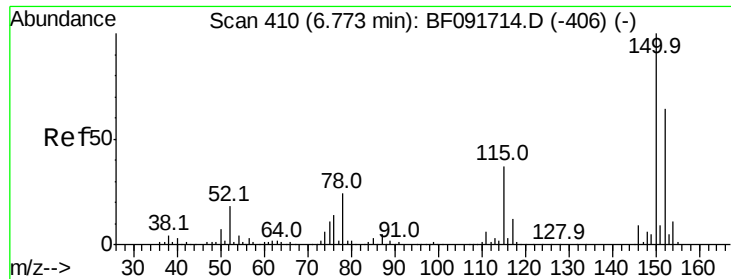
Instrument :
BNA_F
ClientSampleId :
SB-47(8-9.5)-12-14-16RE

Manual Integrations
APPROVED

sohil
12/20/2016 6:32:44 PM

Quant Time: Dec 20 13:47:45 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 17 22:53:54 2016
Response via : Initial Calibration





#1

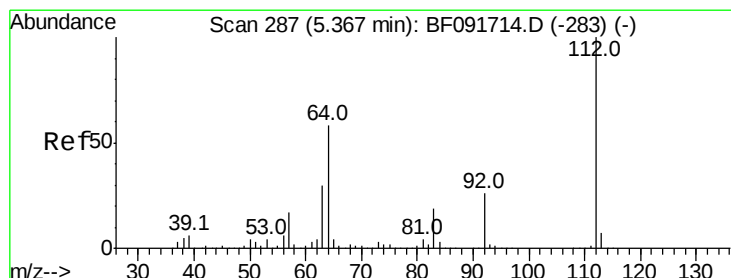
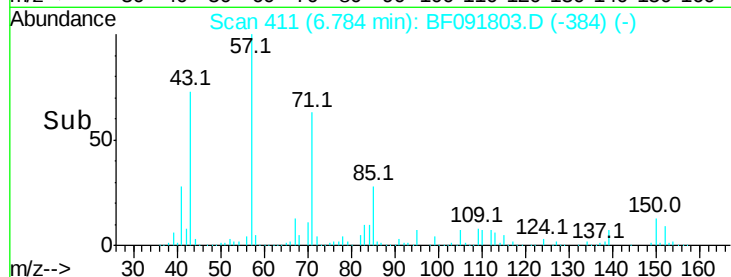
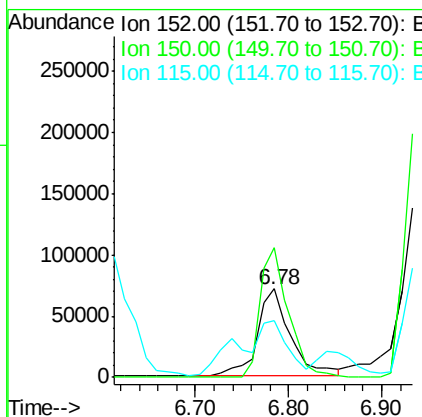
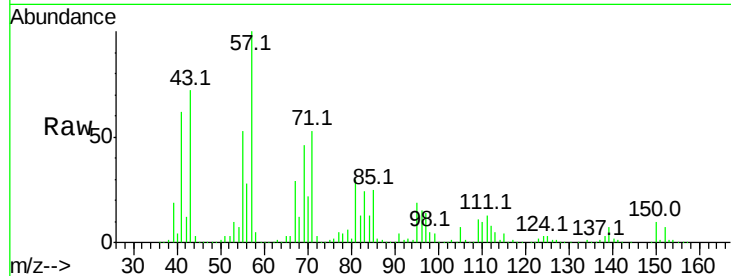
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. 0.01 min
Lab File: BF091803.D
Acq: 20 Dec 2016 5:06

Instrument :
BNA_F
ClientSampleId :
SB-47(8-9.5)-12-14-16RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.2	124.9	187.3
115	64.1	46.0	69.0

Manual Integrations
APPROVED

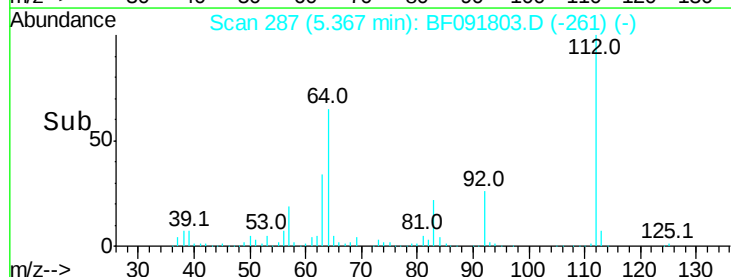
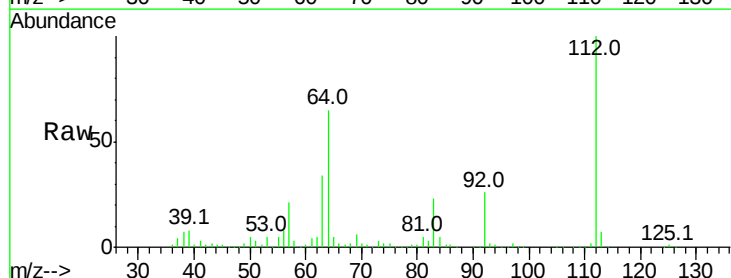
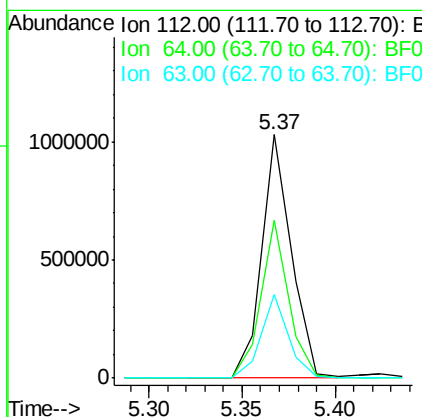
sohil
12/20/2016 6:32:44 PM

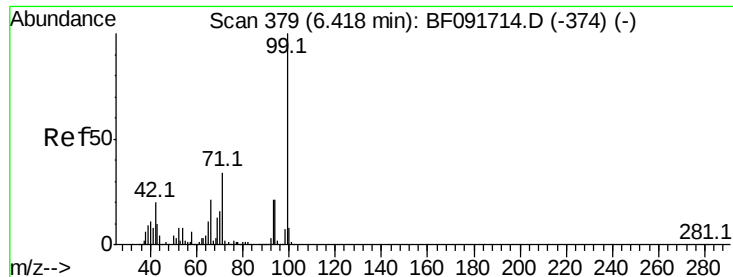


#5

2-Fluorophenol
Concen: 106.54 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.00 min
Lab File: BF091803.D
Acq: 20 Dec 2016 5:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	46.1	69.1
63	34.2	23.8	35.6





#7

Phenol-d6

Concen: 112.95 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF091803.D

Acq: 20 Dec 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-47(8-9.5)-12-14-16RE

Tot Ion: 99 Resp: 1460563

Ion Ratio Lower Upper

99 100

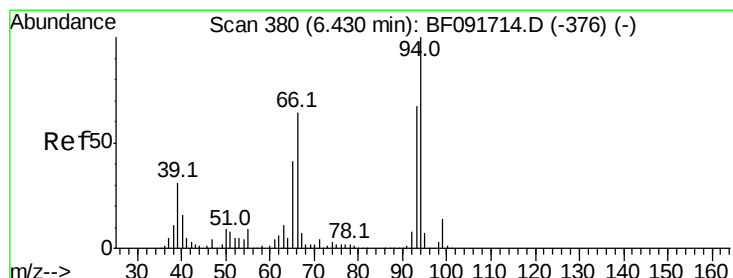
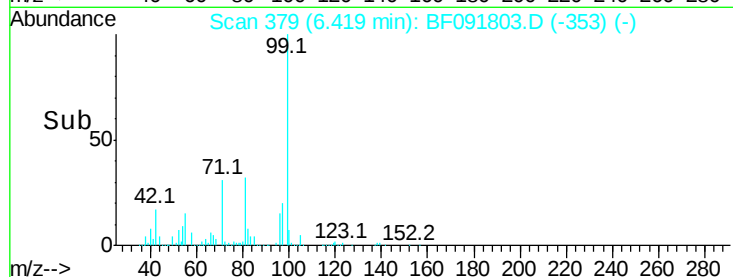
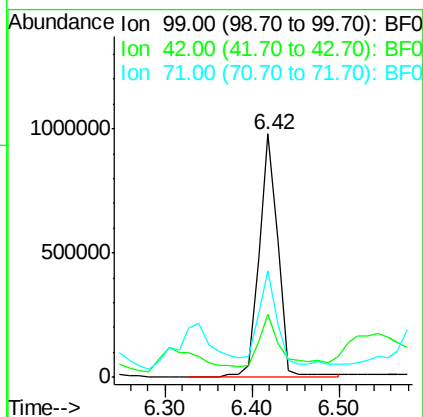
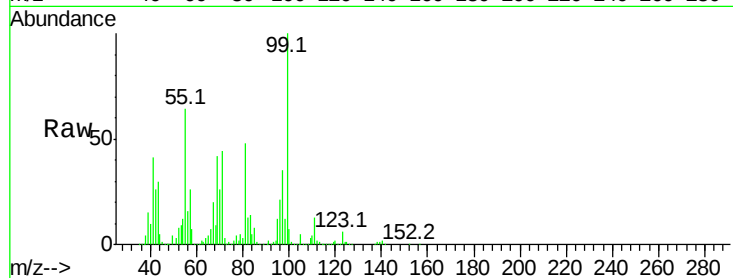
42 25.8 15.6 23.4#

71 43.8 27.5 41.3#

Manual Integrations
APPROVED

sohil

12/20/2016 6:32:44 PM



#10

Phenol

Concen: 8.35 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF091803.D

Acq: 20 Dec 2016 5:06

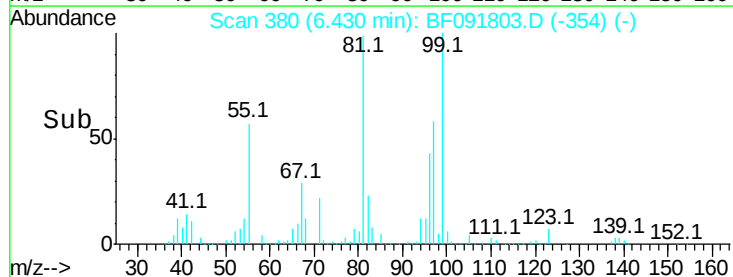
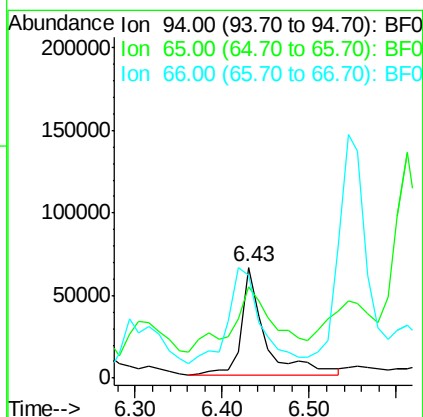
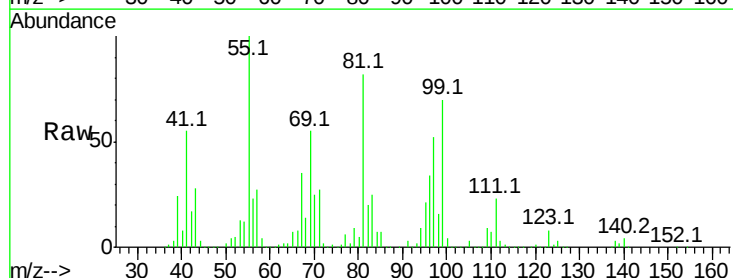
Tgt Ion: 94 Resp: 121633

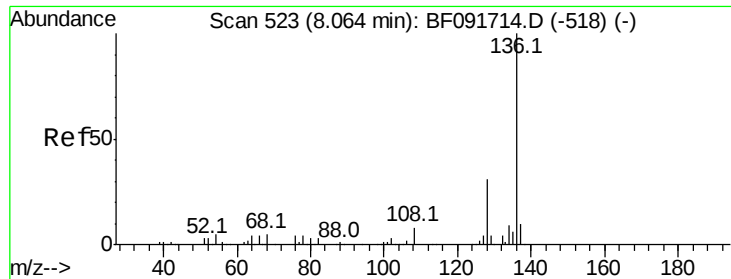
Ion Ratio Lower Upper

94 100

65 82.2 21.4 61.4#

66 93.3 44.0 84.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. 0.05 min

Lab File: BF091803.D

Acq: 20 Dec 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-47(8-9.5)-12-14-16RE

Tot Ion:136 Resp: 328119
Ion Ratio Lower Upper

136 100

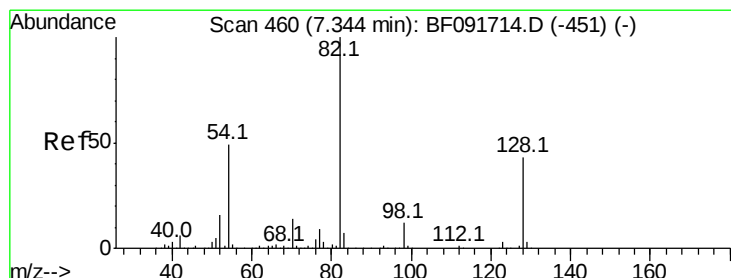
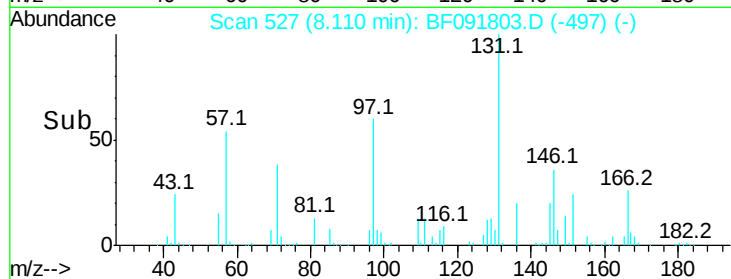
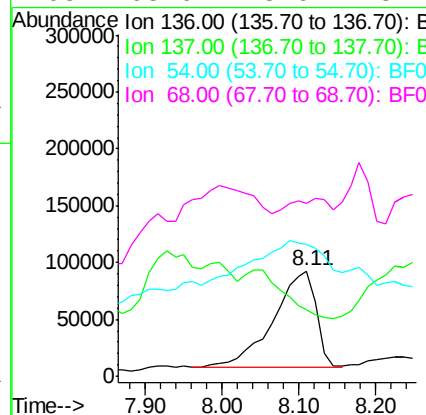
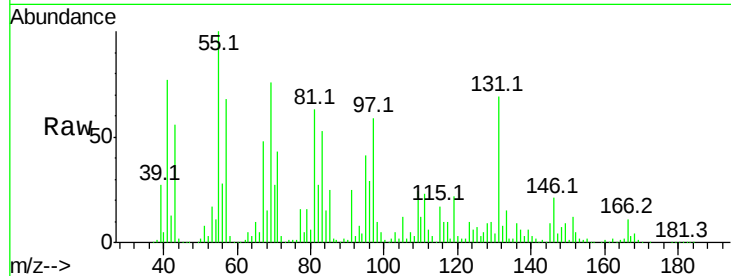
137 63.5 8.4 12.6#

54 125.2 4.5 6.7#

68 163.6 3.6 5.4#

Manual Integrations
APPROVED

sohil
12/20/2016 6:32:44 PM



#23

Nitrobenzene-d5

Concen: 128.53 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.01 min

Lab File: BF091803.D

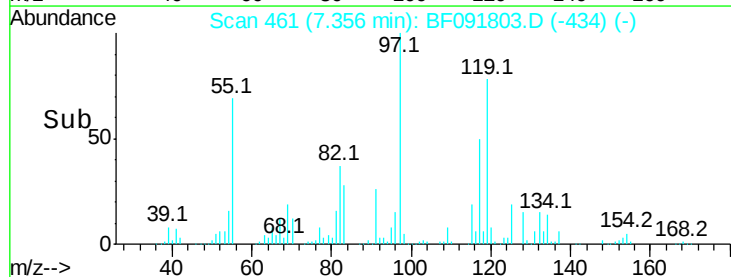
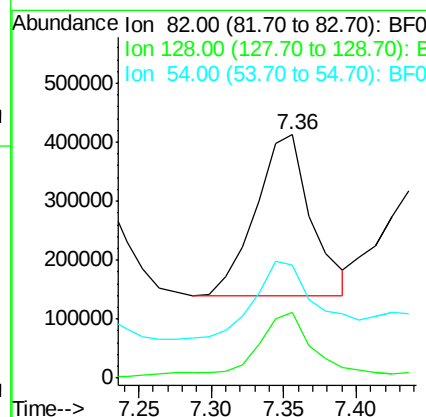
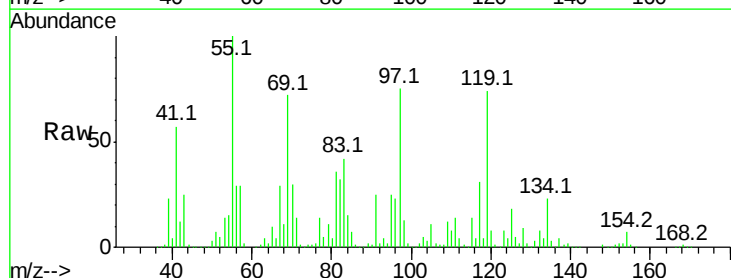
Acq: 20 Dec 2016 5:06

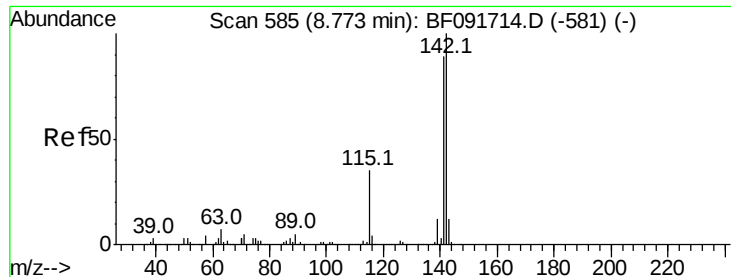
Tgt Ion: 82 Resp: 731291
Ion Ratio Lower Upper

82 100

128 27.2 34.6 52.0#

54 46.5 39.5 59.3





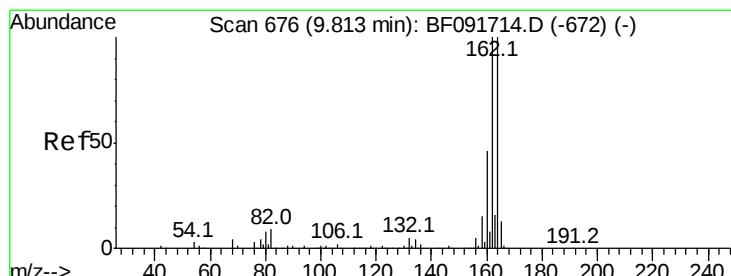
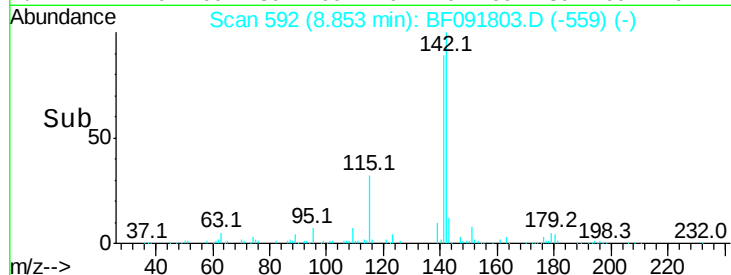
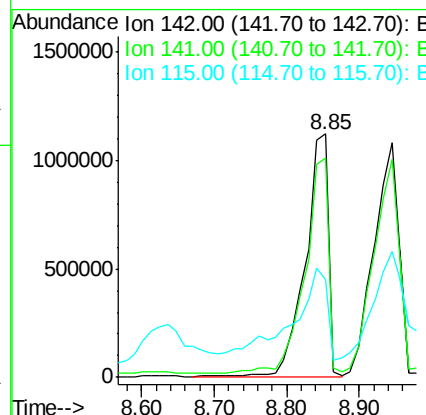
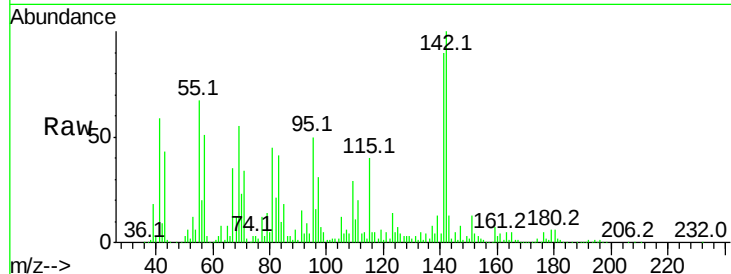
#37
2-Methylnaphthalene
Concen: 247.65 ng
RT: 8.85 min Scan# 592
Delta R.T. 0.08 min
Lab File: BF091803.D
Acq: 20 Dec 2016 5:06

Instrument :
BNA_F
ClientSampleId :
SB-47(8-9.5)-12-14-16RE

Tot Ion:142 Resp: 2447386
Ion Ratio Lower Upper
142 100
141 90.1 71.0 106.6
115 40.3 28.3 42.5

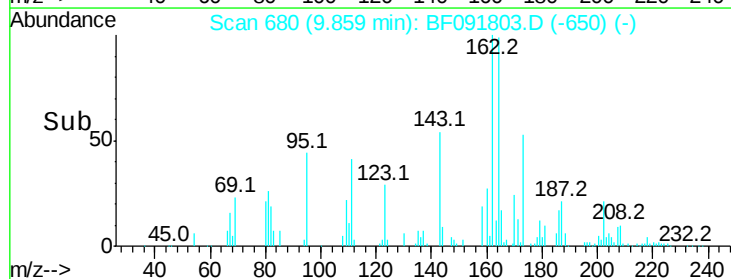
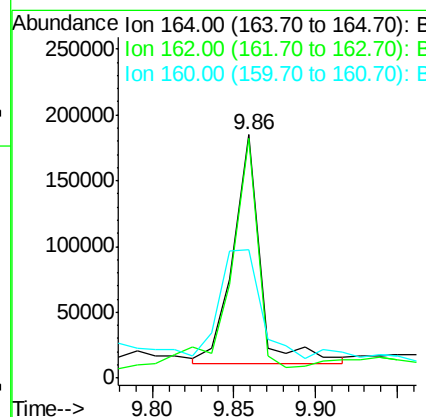
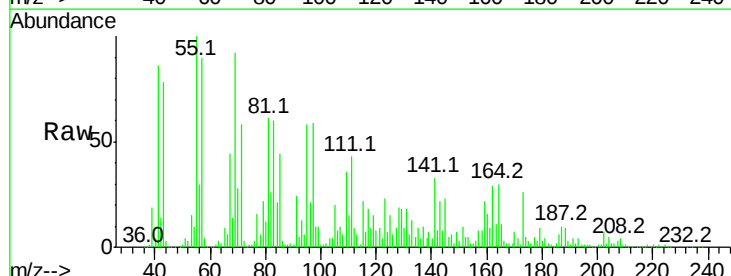
Manual Integrations
APPROVED

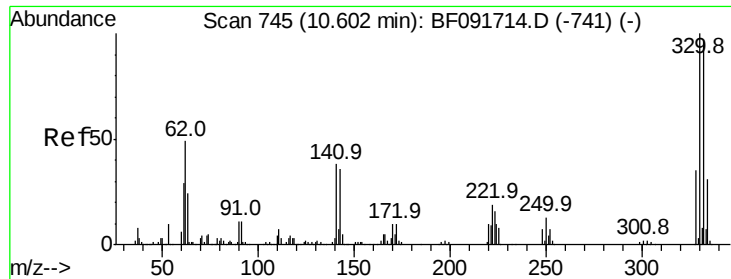
sohil
12/20/2016 6:32:44 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. 0.05 min
Lab File: BF091803.D
Acq: 20 Dec 2016 5:06

Tgt Ion:164 Resp: 199650
Ion Ratio Lower Upper
164 100
162 98.3 80.2 120.2
160 52.9 36.9 55.3





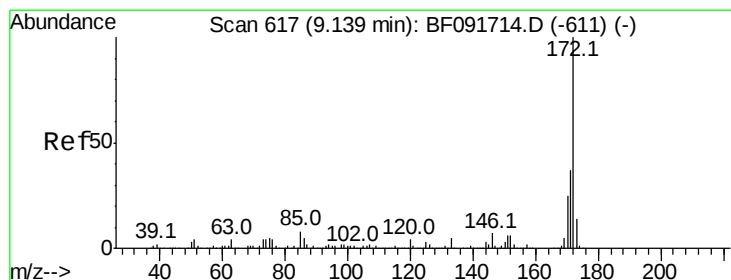
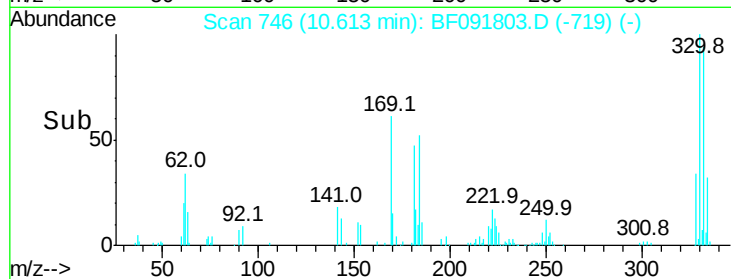
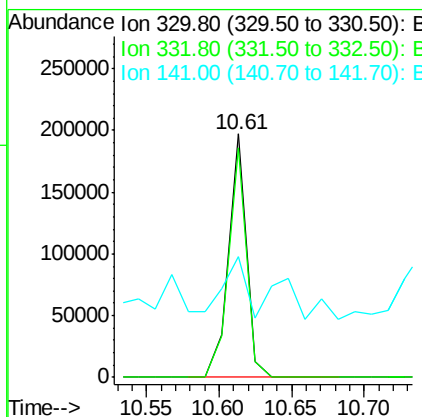
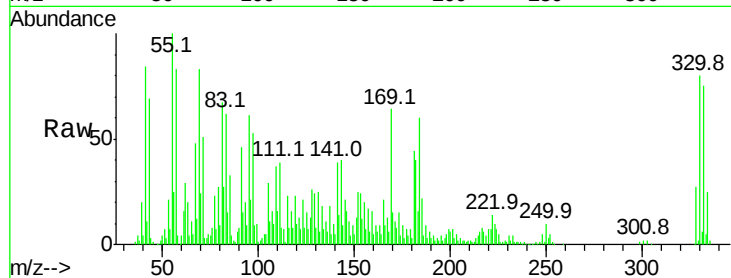
#41
 2,4,6-Tribromophenol
 Concen: 100.15 ng
 RT: 10.61 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: BF091803.D
 Acq: 20 Dec 2016 5:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-47(8-9.5)-12-14-16RE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	169552		
332	94.4	77.4	116.2	
141	29.9	34.1	51.1#	

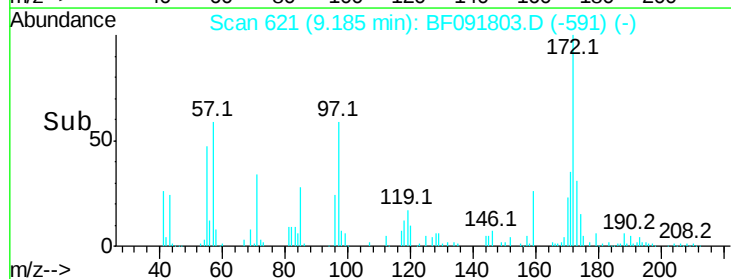
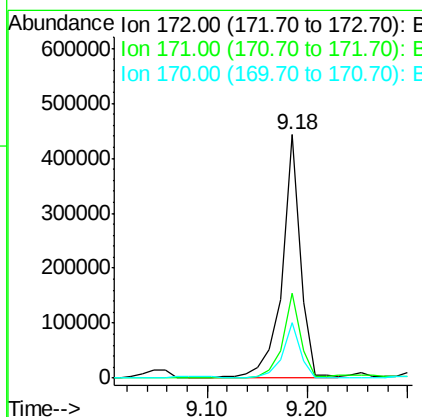
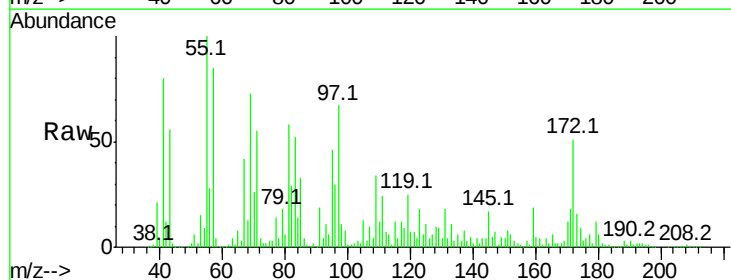
Manual Integrations
 APPROVED

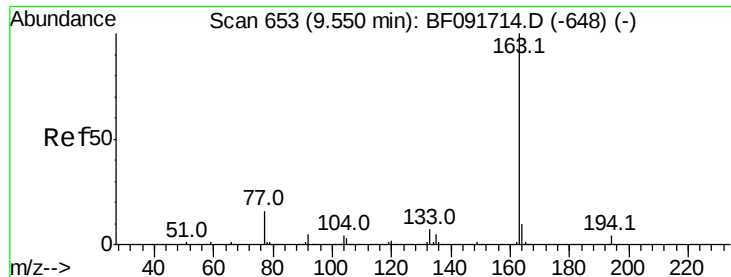
sohil
 12/20/2016 6:32:44 PM



#44
 2-Fluorobiphenyl
 Concen: 56.34 ng
 RT: 9.18 min Scan# 621
 Delta R.T. 0.05 min
 Lab File: BF091803.D
 Acq: 20 Dec 2016 5:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	559915		
171	34.9	29.4	44.0	
170	22.9	20.2	30.4	





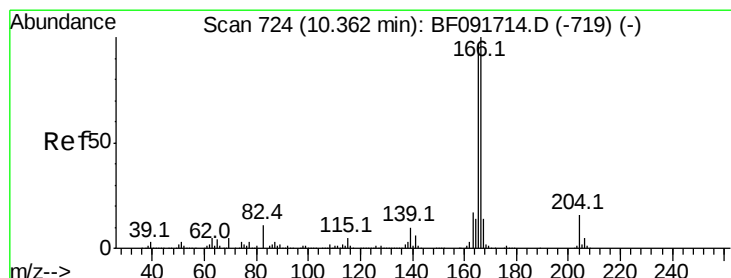
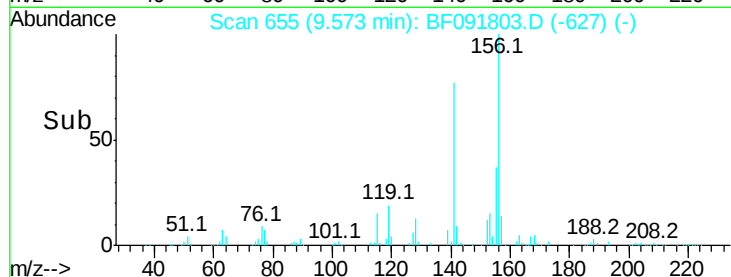
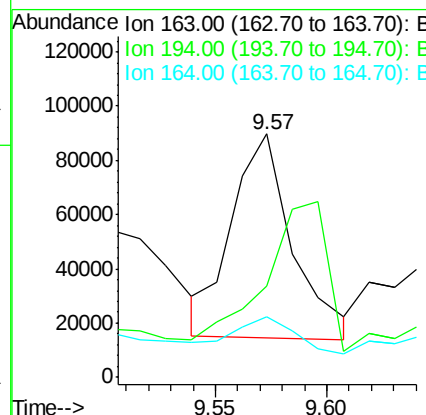
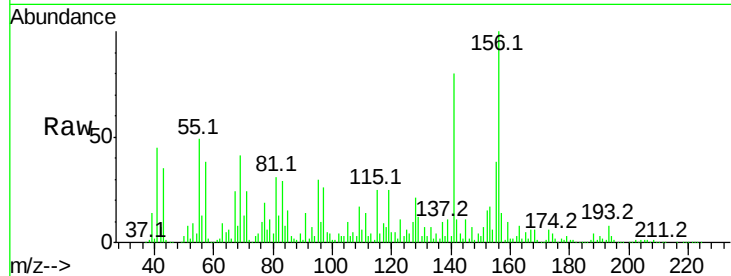
#49
Dimethylphthalate
Concen: 10.99 ng
RT: 9.57 min Scan# 655
Delta R.T. 0.02 min
Lab File: BF091803.D
Acq: 20 Dec 2016 5:06

Instrument :
BNA_F
ClientSampleId :
SB-47(8-9.5)-12-14-16RE

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	37.5	3.0	4.4#	
164	25.1	8.0	12.0#	

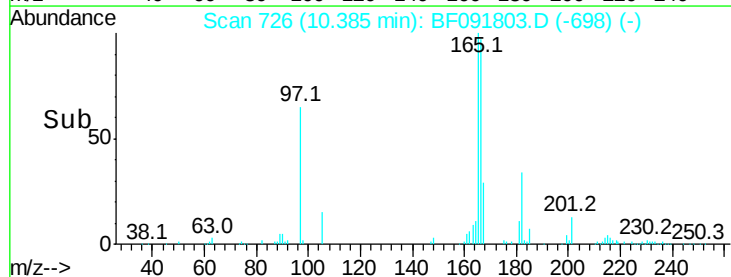
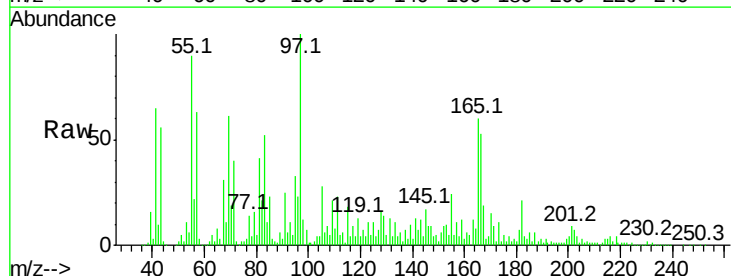
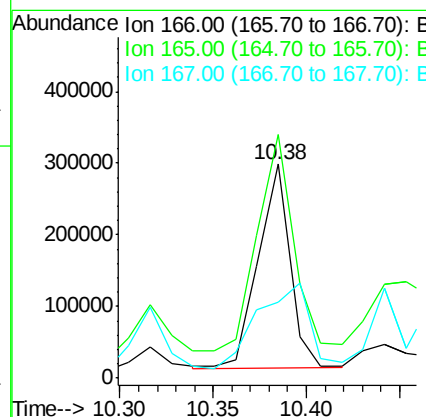
Manual Integrations
APPROVED

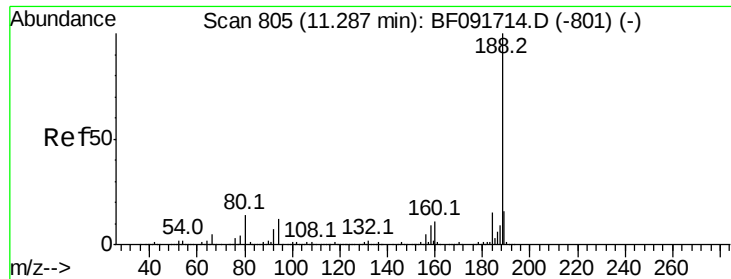
sohil
12/20/2016 6:32:44 PM



#57
Fluorene
Concen: 32.00 ng
RT: 10.38 min Scan# 726
Delta R.T. 0.02 min
Lab File: BF091803.D
Acq: 20 Dec 2016 5:06

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	113.7	77.8	116.8	
167	35.3	10.8	16.2#	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 806

Delta R.T. 0.01 min

Lab File: BF091803.D

Acq: 20 Dec 2016 5:06

Instrument :

BNA_F

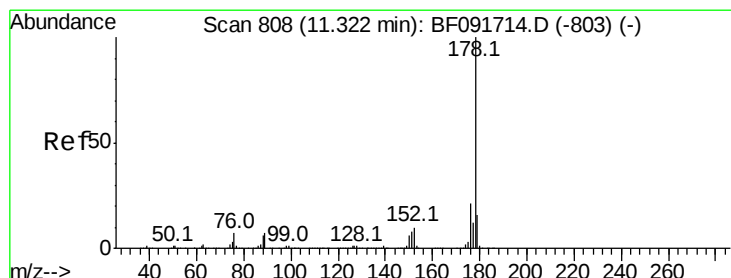
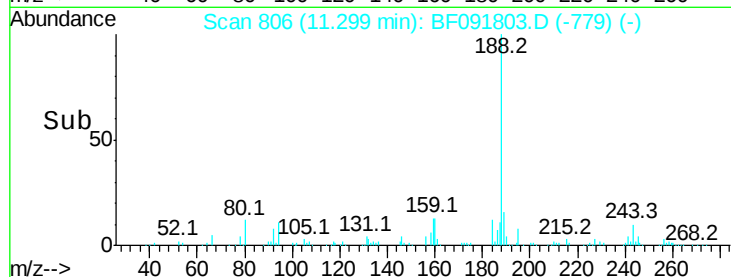
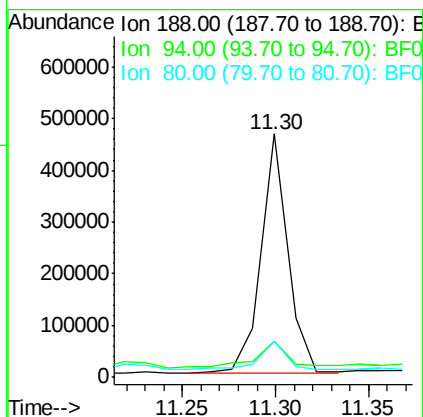
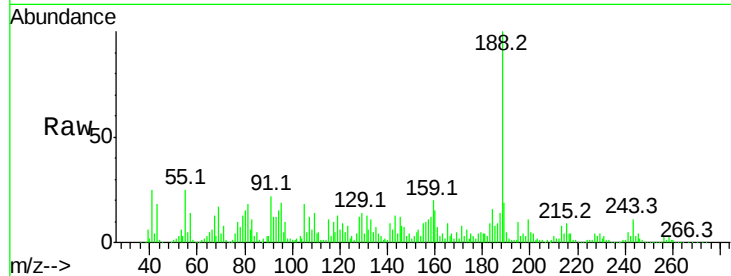
ClientSampleId :

SB-47(8-9.5)-12-14-16RE

Tot Ion:	188	Resp:	457831
Ion Ratio	Lower	Upper	
188	100		
94	15.0	10.0	15.0#
80	14.9	11.2	16.8

Manual Integrations
APPROVED

sohil
12/20/2016 6:32:44 PM



#70

Phenanthrene

Concen: 15.49 ng

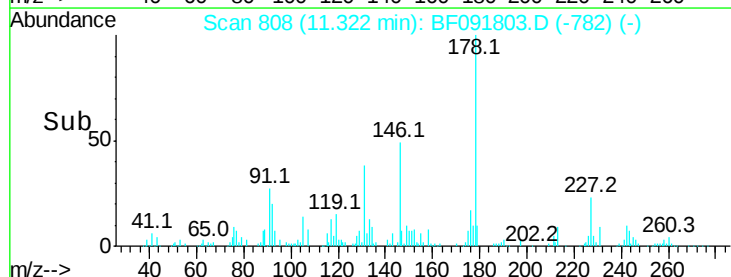
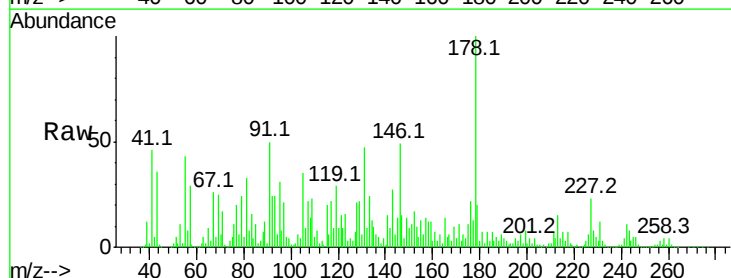
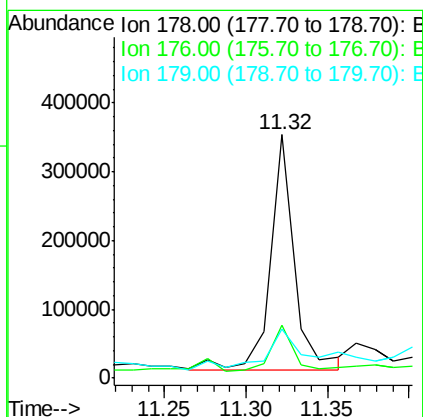
RT: 11.32 min Scan# 808

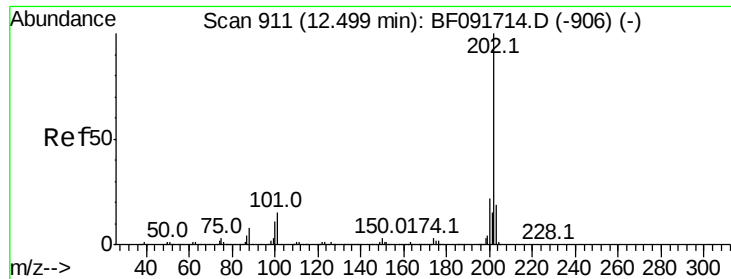
Delta R.T. 0.00 min

Lab File: BF091803.D

Acq: 20 Dec 2016 5:06

Tgt Ion:	178	Resp:	354300
Ion Ratio	Lower	Upper	
178	100		
176	21.9	16.6	25.0
179	20.4	12.8	19.2#





#74

Fluoranthene

Concen: 5.47 ng

RT: 12.51 min Scan# 912

Delta R.T. 0.01 min

Lab File: BF091803.D

Acq: 20 Dec 2016 5:06

Instrument :

BNA_F

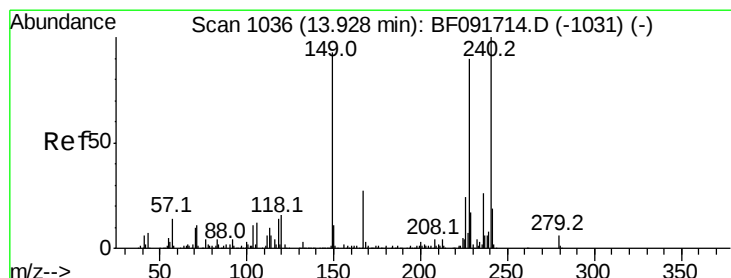
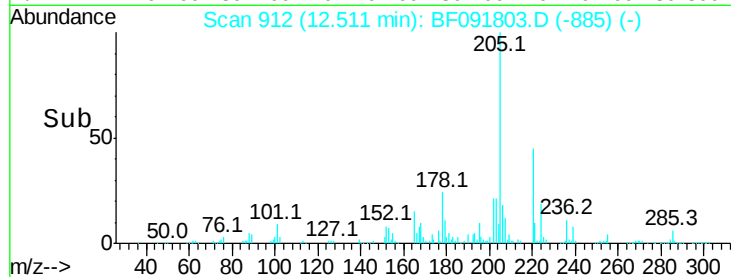
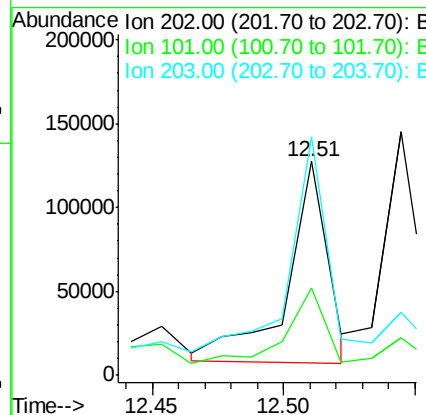
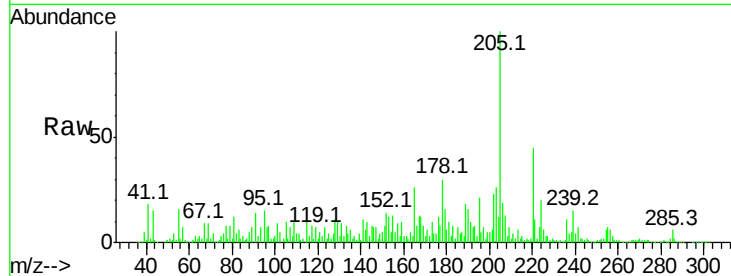
ClientSampleId :

SB-47(8-9.5)-12-14-16RE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	41.0	0.0	34.6#
203	111.8	0.0	38.7#

Manual Integrations
APPROVED

sohil
12/20/2016 6:32:44 PM



#75

Chrysene-d12

Concen: 20.00 ng

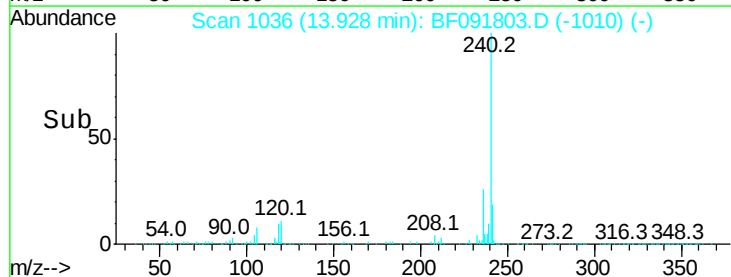
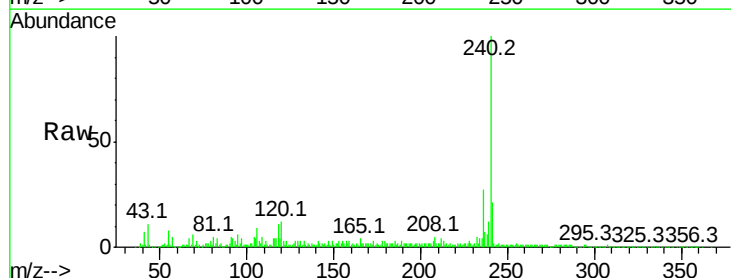
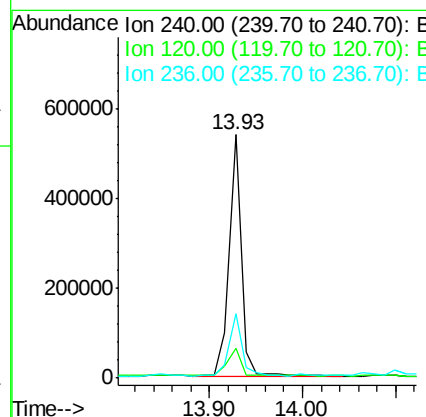
RT: 13.93 min Scan# 1036

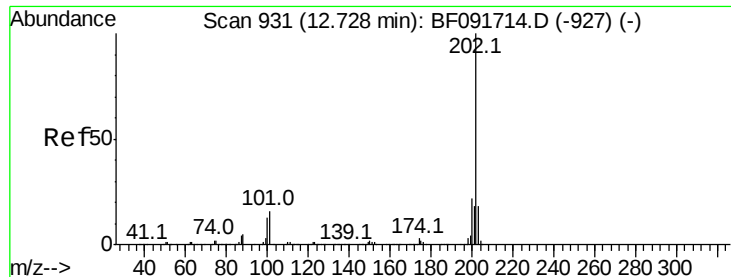
Delta R.T. 0.00 min

Lab File: BF091803.D

Acq: 20 Dec 2016 5:06

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.2	12.9	19.3#
236	26.6	20.9	31.3





#77

Pvrene

Concen: 3.70 ng/mL

RT: 12.76 min Scan# 934

Delta R.T. 0.03 min

Lab File: BF091803.D

Acq: 20 Dec 2016 5:06

Instrument :

BNA_F

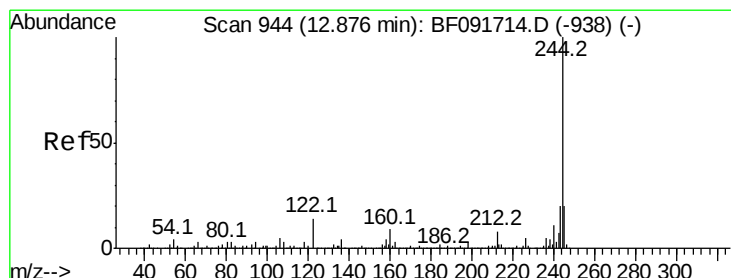
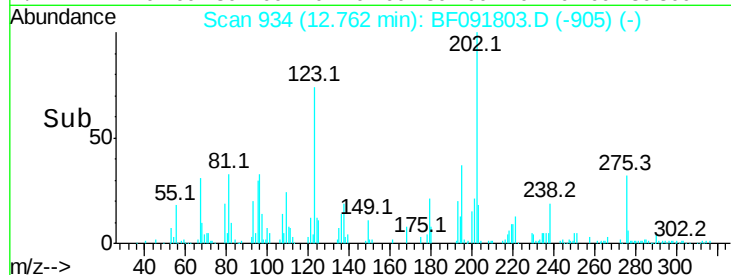
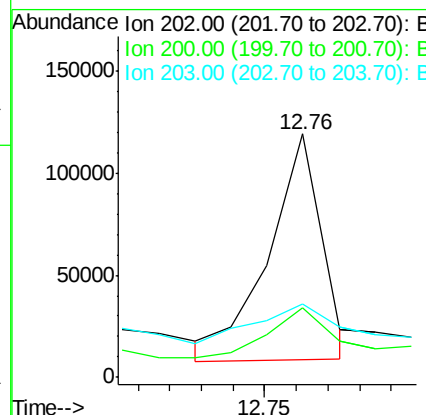
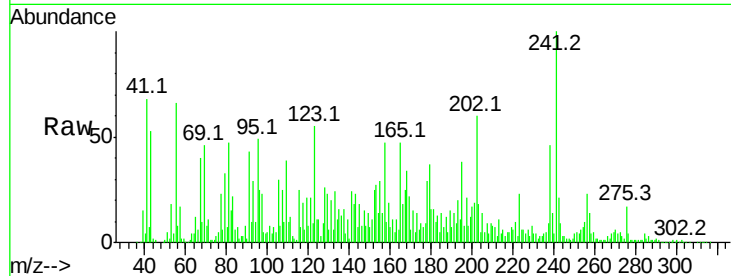
ClientSampleId :

SB-47(8-9.5)-12-14-16RE

Tot Ion:	202	Resp:	130040
Ion Ratio	Lower	Upper	
202	100		
200	28.8	17.7	26.5#
203	30.2	14.7	22.1#

Manual Integrations
APPROVED

sohil
12/20/2016 6:32:44 PM



#78

Terphenyl-d14

Concen: 42.05 ng

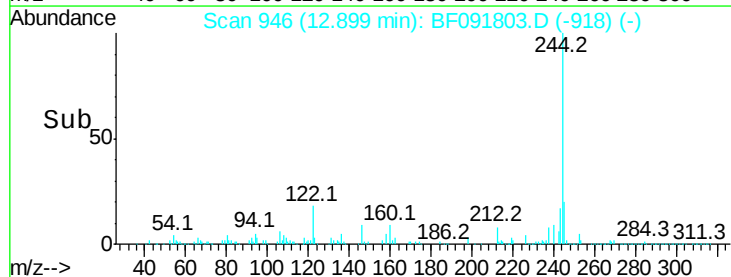
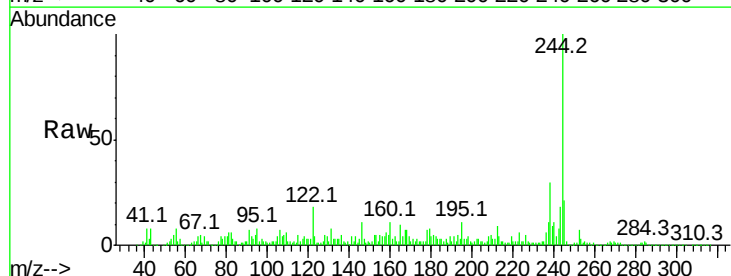
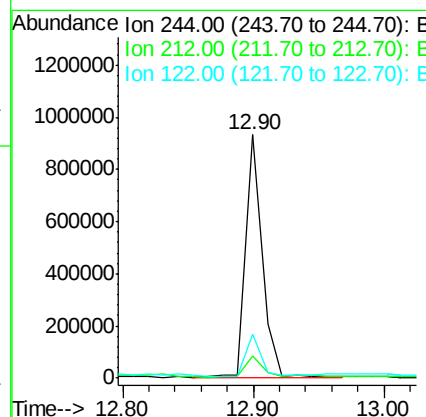
RT: 12.90 min Scan# 946

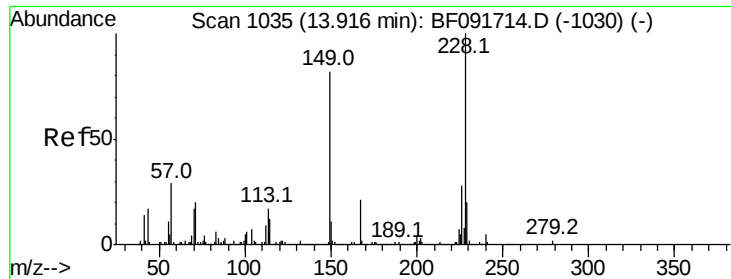
Delta R.T. 0.02 min

Lab File: BF091803.D

Acq: 20 Dec 2016 5:06

Tgt Ion:	244	Resp:	810459
Ion Ratio	Lower	Upper	
244	100		
212	8.9	6.2	9.2
122	18.3	11.4	17.2#





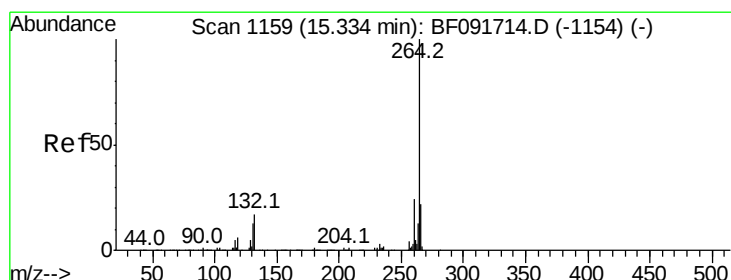
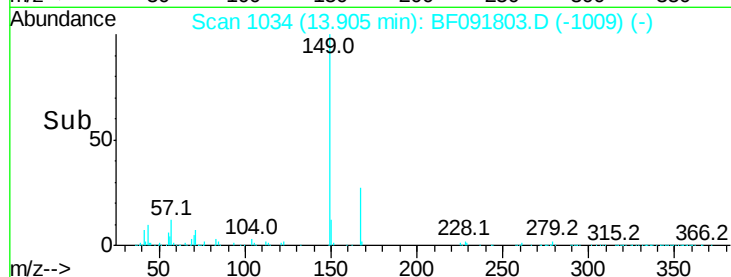
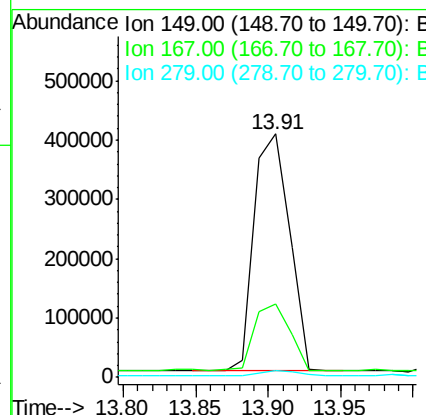
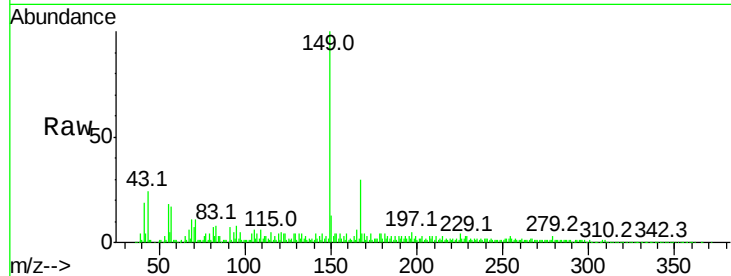
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 32.52 ng
 RT: 13.91 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BF091803.D
 Acq: 20 Dec 2016 5:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-47(8-9.5)-12-14-16RE

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.1	20.2	30.4
279	2.6	1.8	2.8

Manual Integrations
 APPROVED

sohil
 12/20/2016 6:32:44 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BF091803.D
 Acq: 20 Dec 2016 5:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.6	17.4	26.0

