

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
 Data File : BF085188.D
 Acq On : 4 Mar 2016 6:04
 Operator : SJ/UM
 Sample : H1663-09
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-42(10-12)

Manual Integrations
 APPROVED

Sohil
 3/4/2016 4:36:18 PM

Quant Time: Mar 04 07:44:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	124834	20.00	ng	0.01
21) Naphthalene-d8	8.31	136	271307	20.00	ng	0.05
38) Acenaphthene-d10	10.07	164	139153	20.00	ng	0.05
63) Phenanthrene-d10	11.51	188	334856	20.00	ng	0.00
75) Chrysene-d12	14.15	240	269336	20.00	ng	0.00
86) Perylene-d12	15.61	264	278533	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1006317	135.22	ng	0.01
7) Phenol-d6	6.61	99	1141390	117.06	ng	0.00
23) Nitrobenzene-d5	7.56	82	317705	62.66	ng	0.01
41) 2,4,6-Tribromophenol	10.84	330	195075	163.83	ng	0.02
44) 2-Fluorobiphenyl	9.40	172	564780	61.73	ng	0.05
78) Terphenyl-d14	13.10	244	688078	59.31	ng	0.01
Target Compounds						
37) 2-Methylnaphthalene	9.05	142	2877864	336.16	ng	Qvalue 97
70) Phenanthrene	11.53	178	171127m	9.75	ng	

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

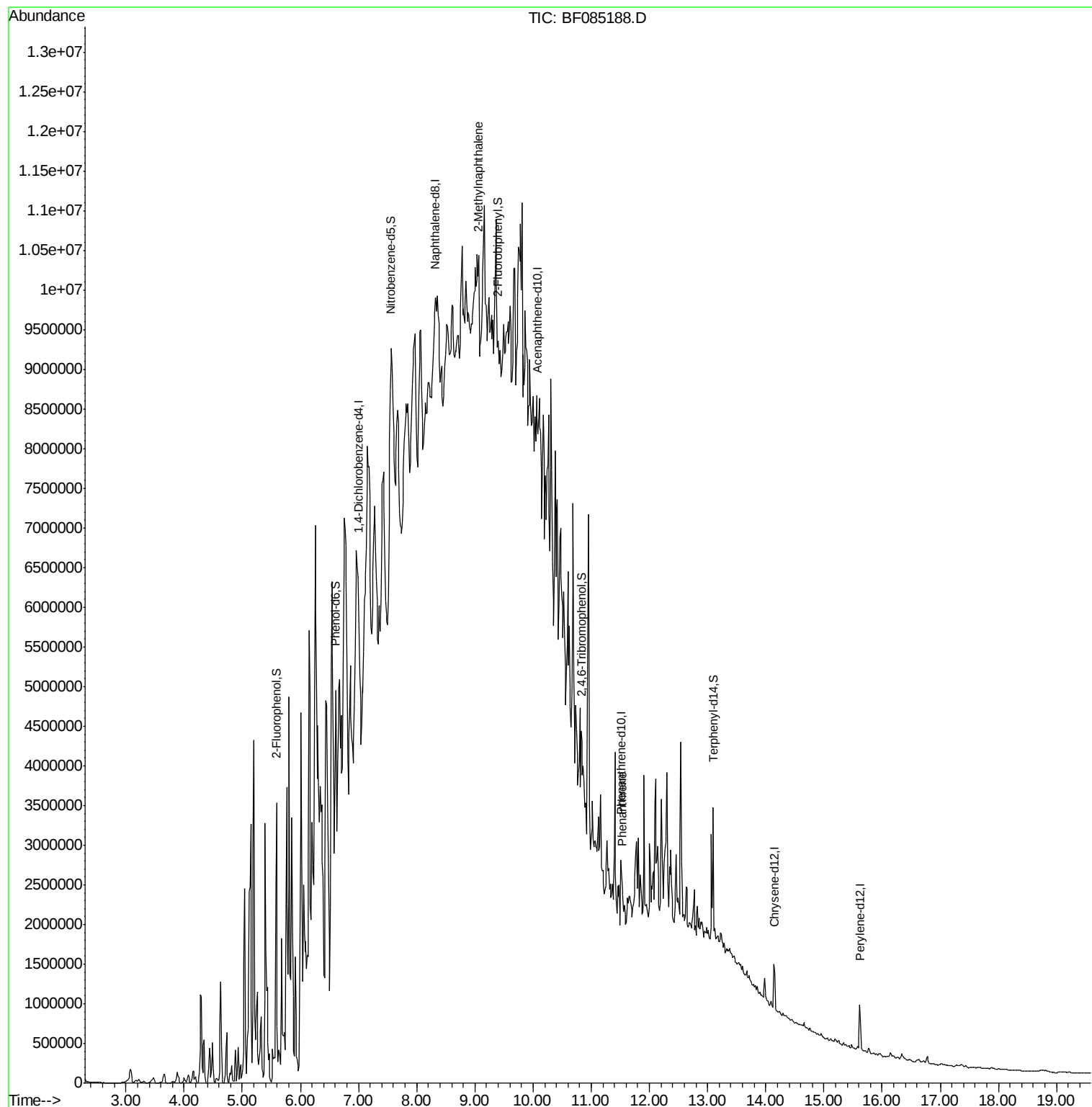
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085188.D
Acq On : 4 Mar 2016 6:04
Operator : SJ/UM
Sample : H1663-09
Misc :
ALS Vial : 32 Sample Multiplier: 1

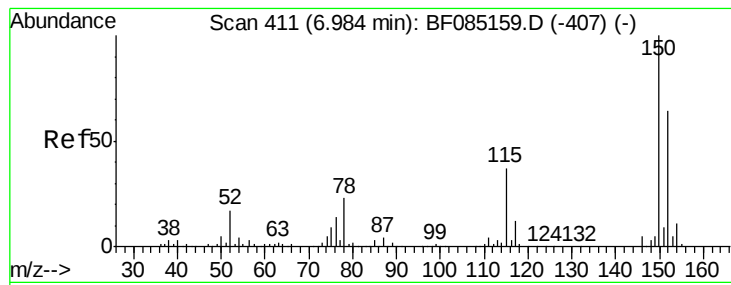
Instrument :
BNA_F
ClientSampleID :
SB-42(10-12)

Manual Integrations
APPROVED

Sohil
3/4/2016 4:36:18 PM

Quant Time: Mar 04 07:44:02 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration





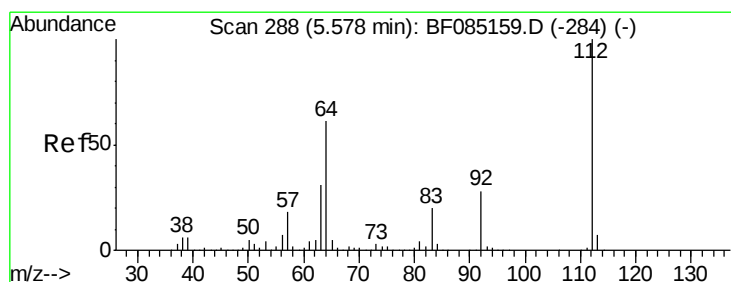
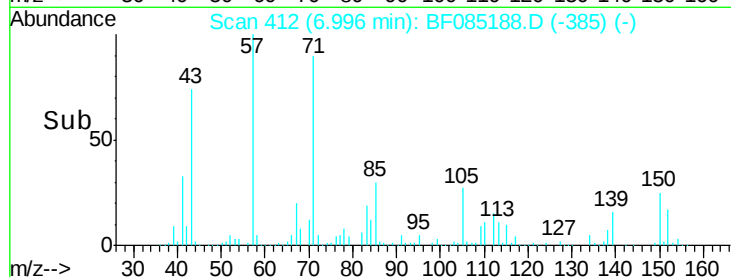
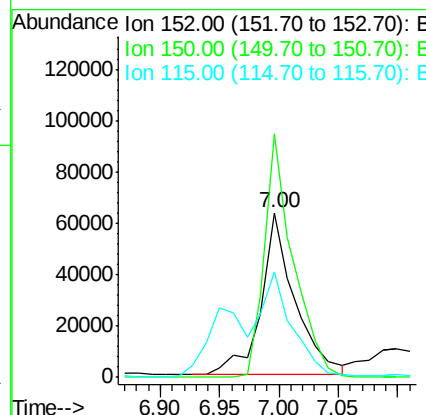
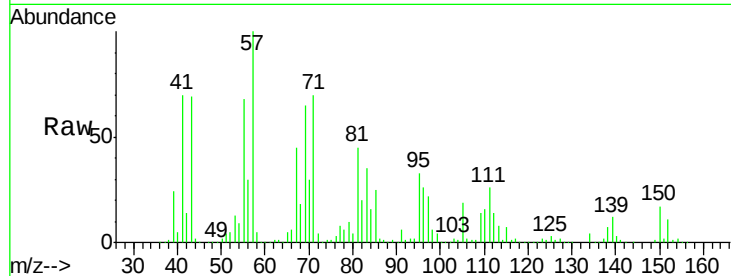
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.00 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: BF085188.D
 Acq: 4 Mar 2016 6:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-42(10-12)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	147.7	124.6	186.8
115	64.1	46.6	70.0

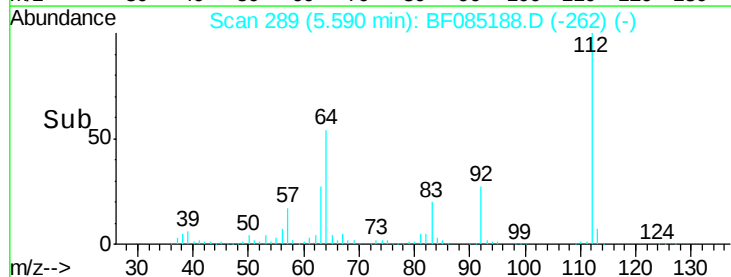
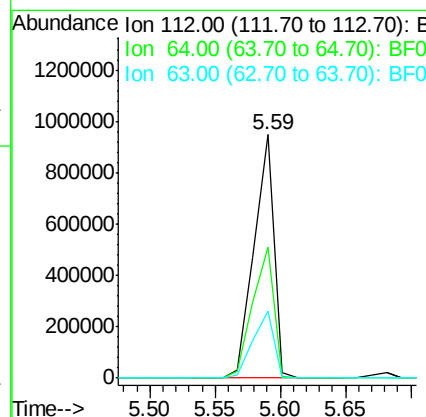
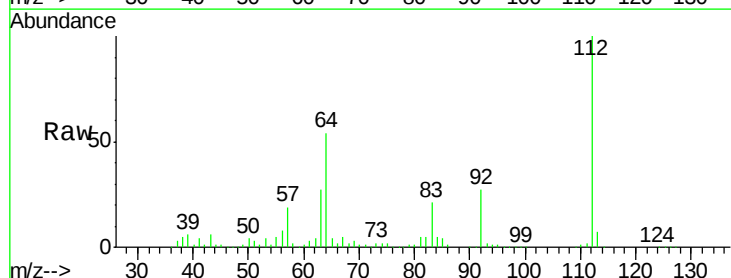
Manual Integrations
 APPROVED

Sohil
 3/4/2016 4:36:18 PM



#5
 2-Fluorophenol
 Concen: 135.22 ng
 RT: 5.59 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: BF085188.D
 Acq: 4 Mar 2016 6:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	49.0	73.4
63	27.4	24.8	37.2





#7

Phenol-d6

Concen: 117.06 ng

RT: 6.61 min Scan# 378

Delta R.T. 0.00 min

Lab File: BF085188.D

Acq: 4 Mar 2016 6:04

Instrument :

BNA_F

ClientSampleId :

SB-42(10-12)

Tgt Ion: 99 Resp: 1141390

Ion Ratio Lower Upper

99 100

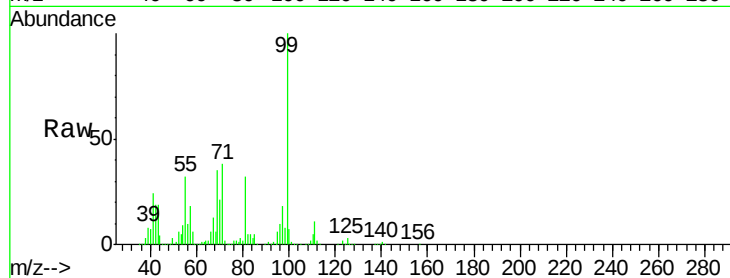
42 18.7 13.6 20.4

71 38.3 26.7 40.1

Manual Integrations
APPROVED

Sohil

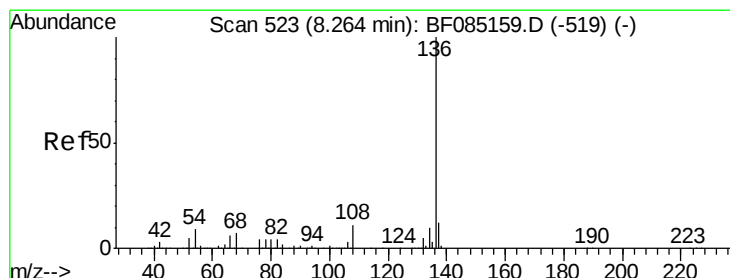
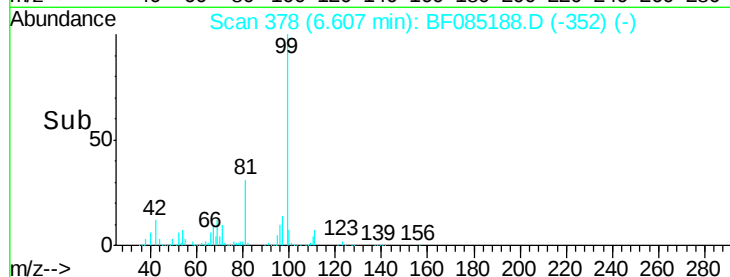
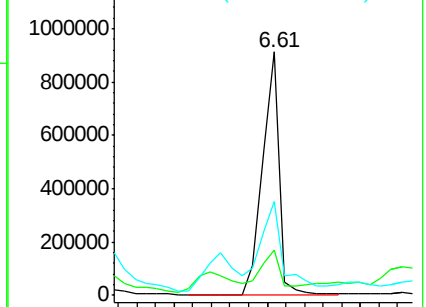
3/4/2016 4:36:18 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.31 min Scan# 527

Delta R.T. 0.05 min

Lab File: BF085188.D

Acq: 4 Mar 2016 6:04

Tgt Ion: 136 Resp: 271307

Ion Ratio Lower Upper

136 100

137 64.4 9.3 13.9#

54 70.2 7.4 11.2#

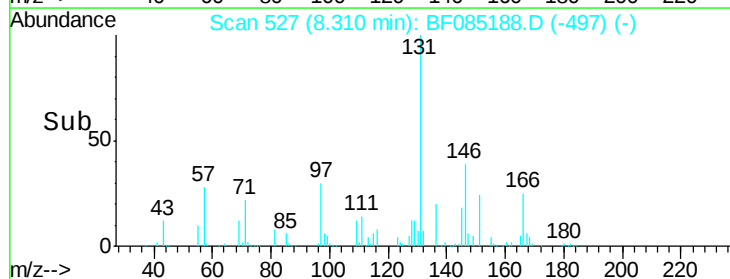
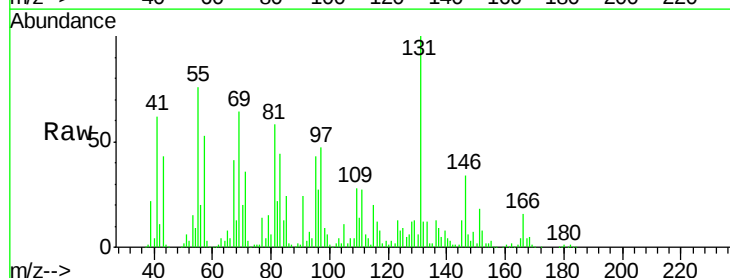
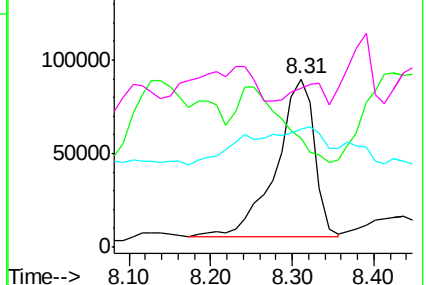
68 94.0 6.0 9.0#

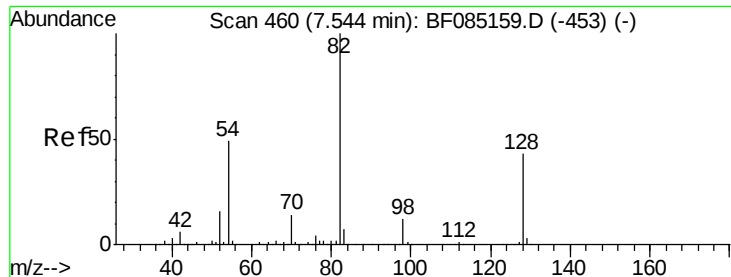
Abundance Ion 136.00 (135.70 to 136.70): E

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





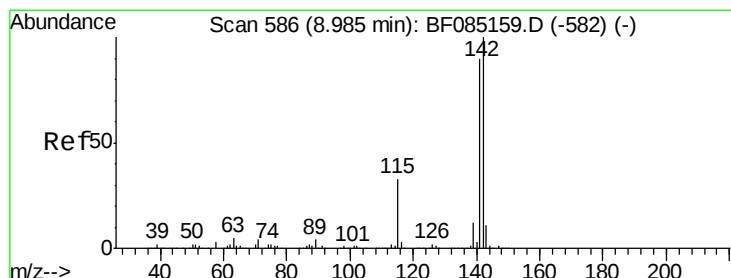
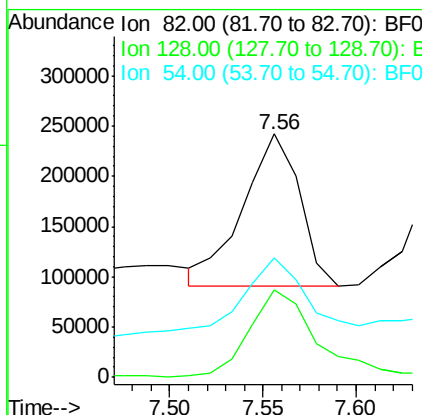
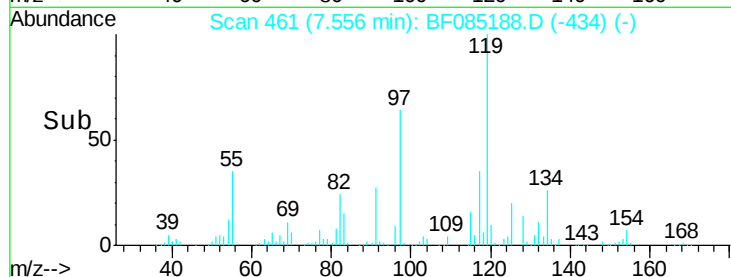
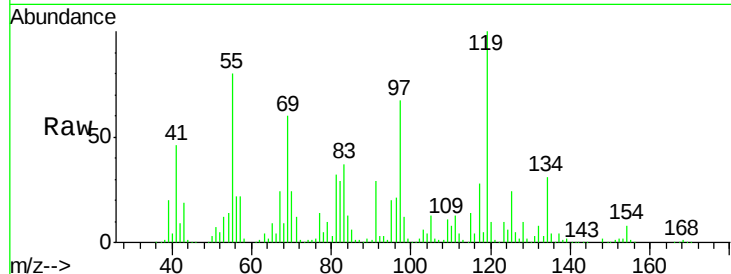
#23
 Nitrobenzene-d5
 Concen: 62.66 ng
 RT: 7.56 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: BF085188.D
 Acq: 4 Mar 2016 6:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-42(10-12)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	317705		
128	36.0	34.5	51.7	
54	49.1	39.3	58.9	

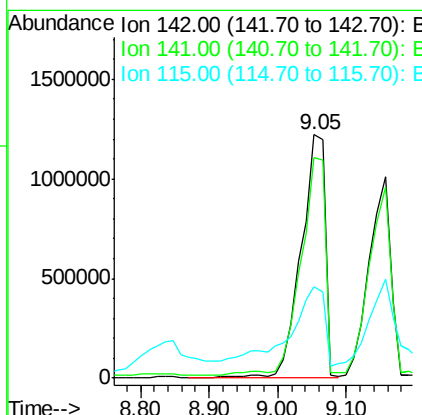
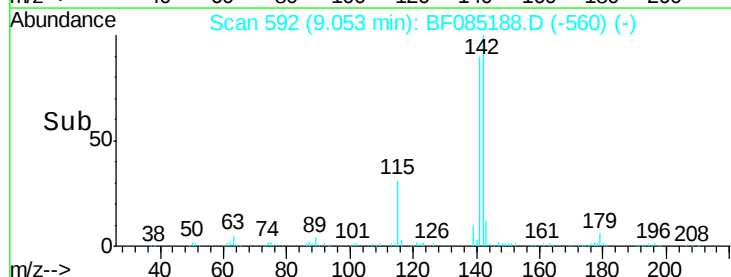
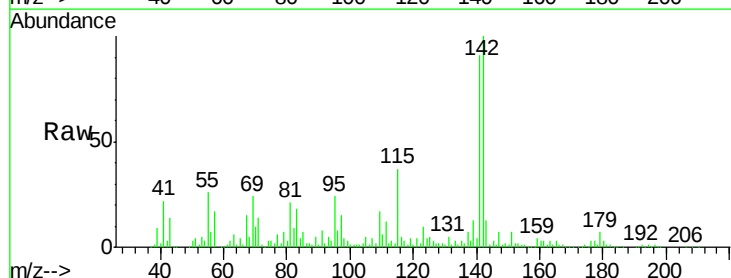
Manual Integrations
 APPROVED

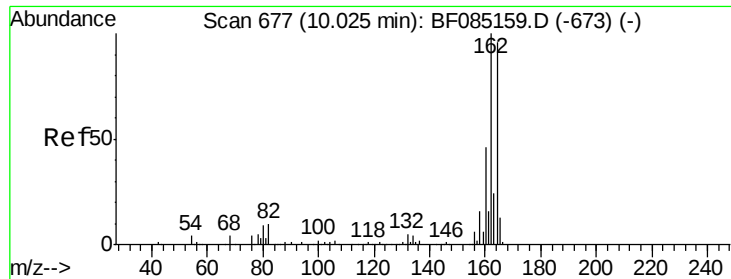
Sohil
 3/4/2016 4:36:18 PM



#37
 2-Methylnaphthalene
 Concen: 336.16 ng
 RT: 9.05 min Scan# 592
 Delta R.T. 0.07 min
 Lab File: BF085188.D
 Acq: 4 Mar 2016 6:04

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	2877864		
141	90.6	71.7	107.5	
115	37.3	26.2	39.4	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.07 min Scan# 681

Delta R.T. 0.05 min

Lab File: BF085188.D

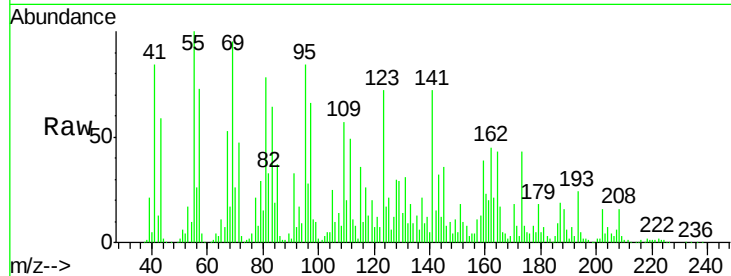
Acq: 4 Mar 2016 6:04

Instrument :

BNA_F

ClientSampleId :

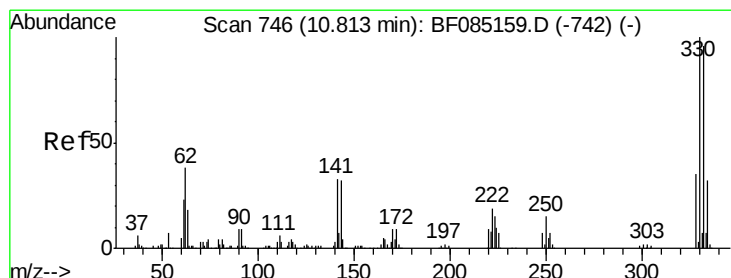
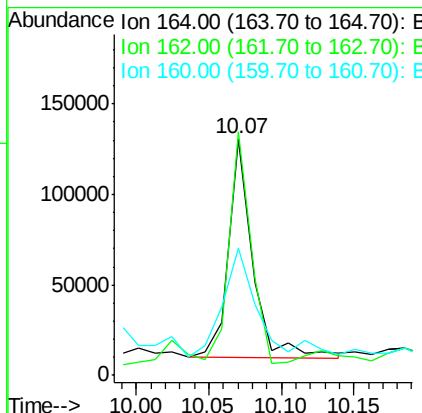
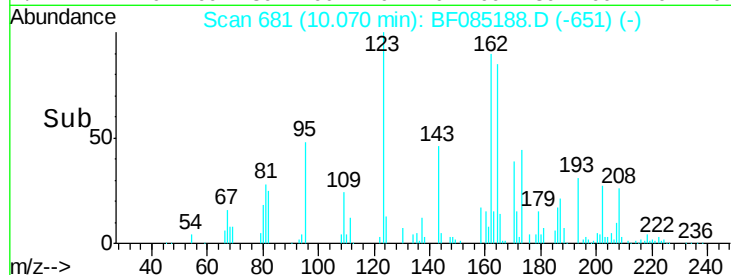
SB-42(10-12)



Tgt Ion:	164	Resp:	139153
Ion Ratio	Lower	Upper	
164	100		
162	102.9	83.3	124.9
160	53.9	37.9	56.9

Manual Integrations
APPROVED

Sohil
3/4/2016 4:36:18 PM



#41

2,4,6-Tribromophenol

Concen: 163.83 ng

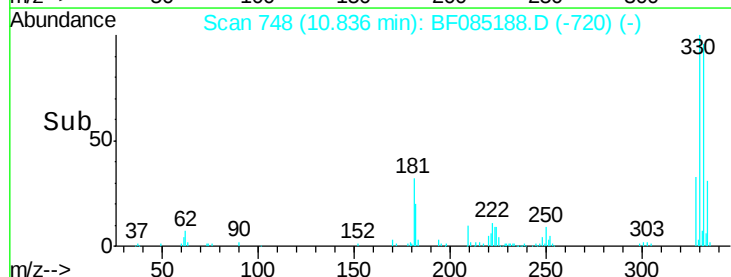
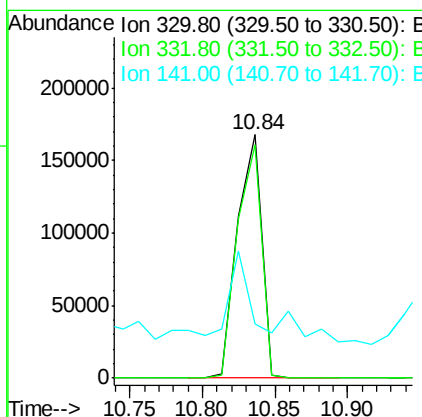
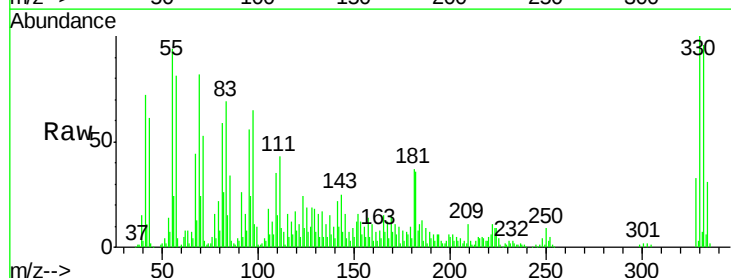
RT: 10.84 min Scan# 748

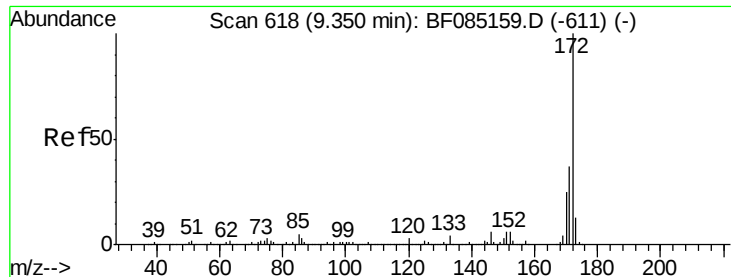
Delta R.T. 0.02 min

Lab File: BF085188.D

Acq: 4 Mar 2016 6:04

Tgt Ion:	330	Resp:	195075
Ion Ratio	Lower	Upper	
330	100		
332	97.1	77.1	115.7
141	25.1	35.0	52.6#





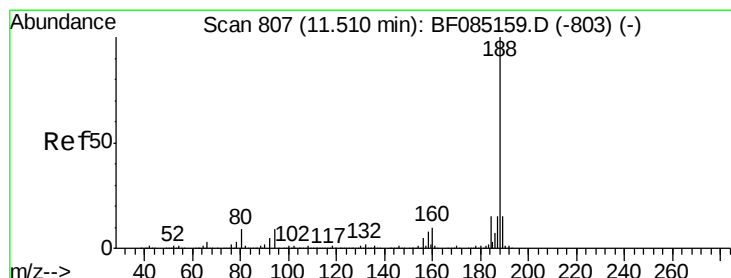
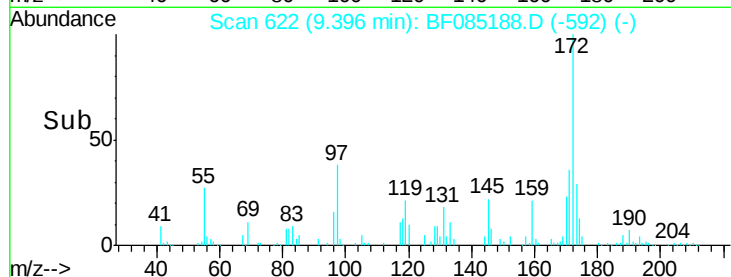
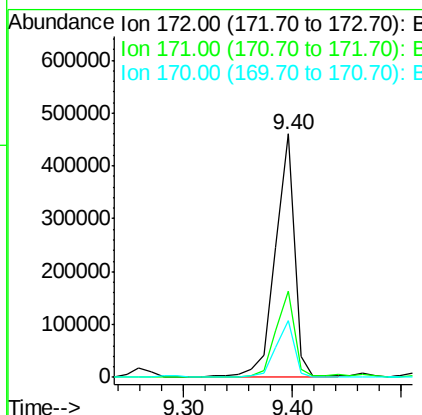
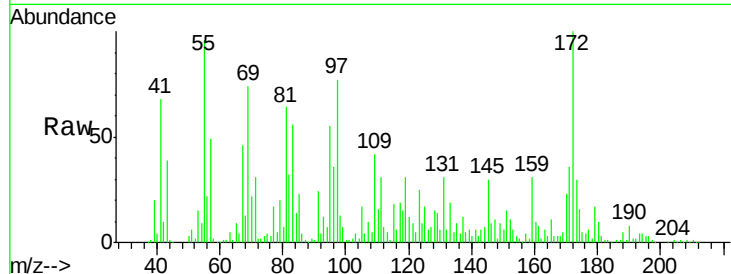
#44
 2-Fluorobiphenyl
 Concen: 61.73 ng
 RT: 9.40 min Scan# 622
 Delta R.T. 0.05 min
 Lab File: BF085188.D
 Acq: 4 Mar 2016 6:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-42(10-12)

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.3	43.9
170	23.4	20.0	30.0

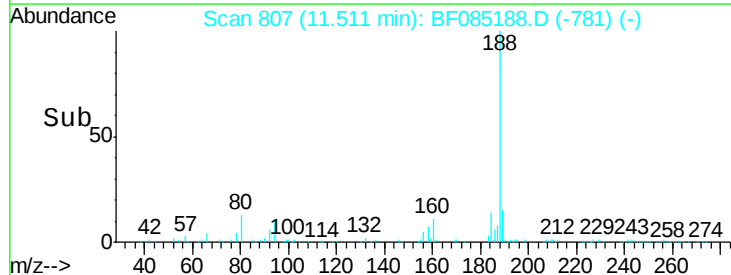
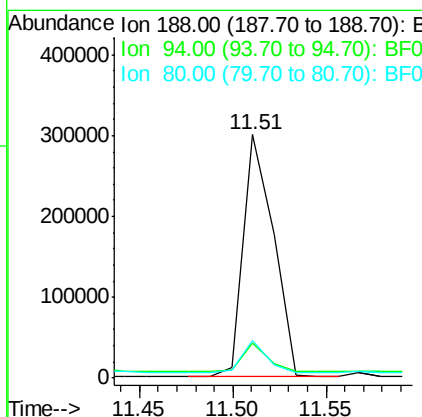
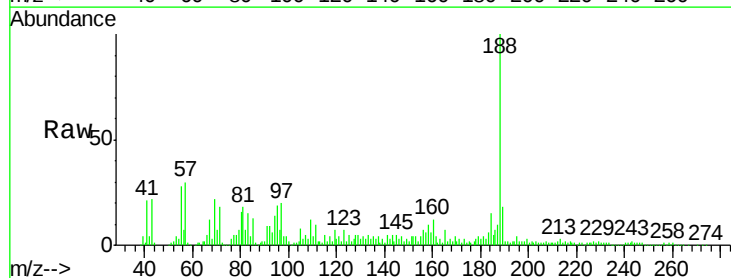
Manual Integrations
 APPROVED

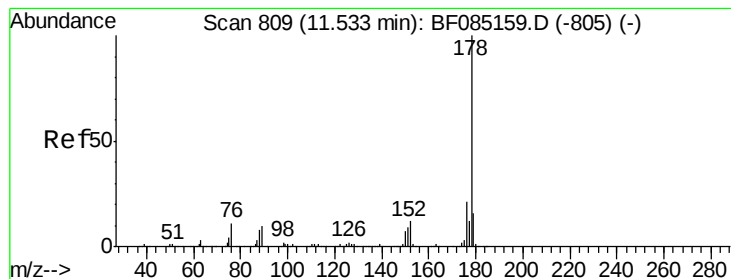
Sohil
 3/4/2016 4:36:18 PM



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: BF085188.D
 Acq: 4 Mar 2016 6:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.4	7.0	10.6#
80	15.6	7.4	11.0#





#70

Phenanthrene

Concen: 9.75 ng m

RT: 11.53 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF085188.D

Acq: 4 Mar 2016 6:04

Instrument :

BNA_F

ClientSampleId :

SB-42(10-12)

Tgt Ion:178 Resp: 171127

Ion Ratio Lower Upper

178 100

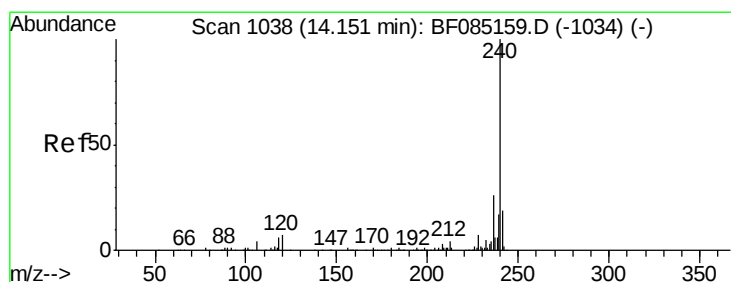
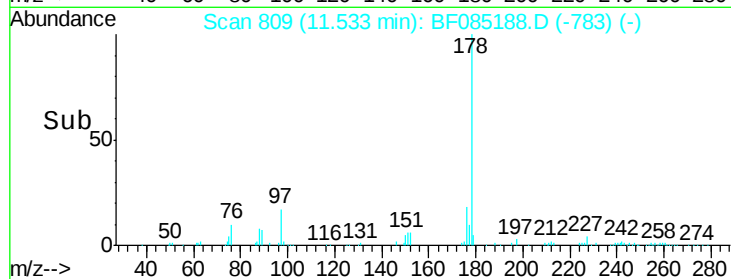
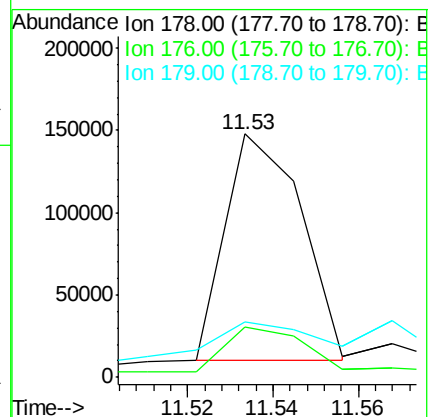
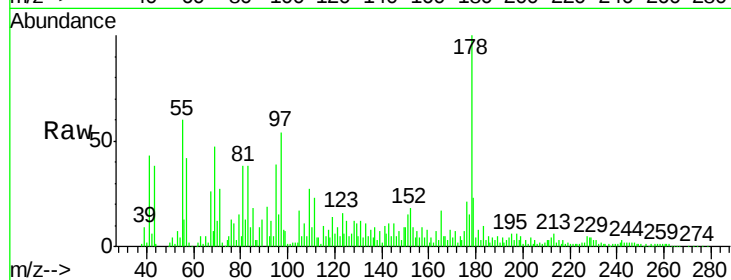
176 20.7 16.8 25.2

179 22.9 13.1 19.7#

Manual Integrations
APPROVED

Sohil

3/4/2016 4:36:18 PM



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.15 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF085188.D

Acq: 4 Mar 2016 6:04

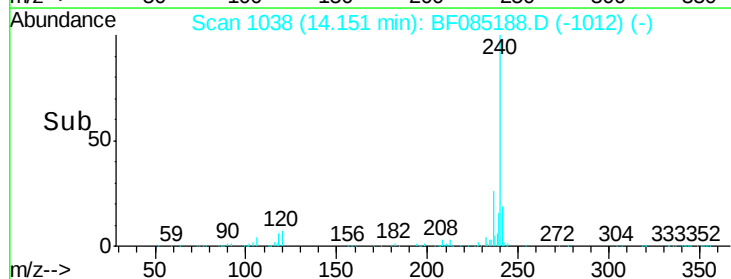
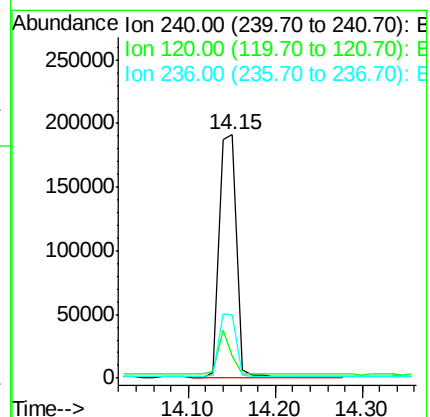
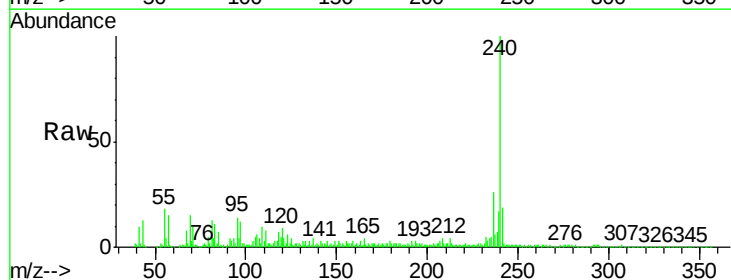
Tgt Ion:240 Resp: 269336

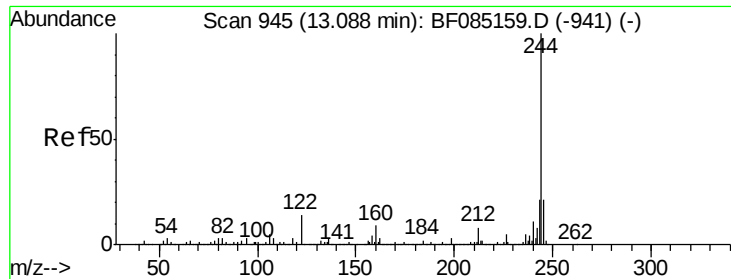
Ion Ratio Lower Upper

240 100

120 9.0 5.3 7.9#

236 26.2 20.7 31.1





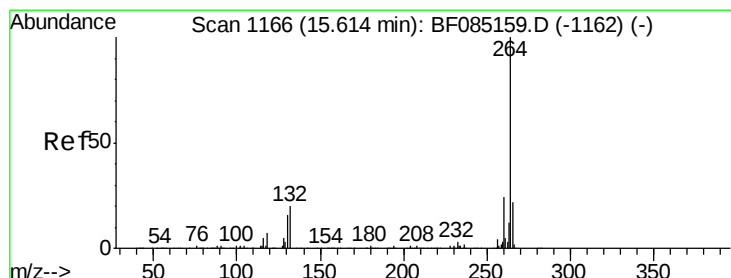
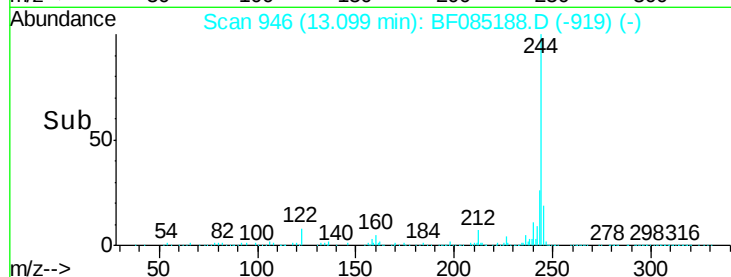
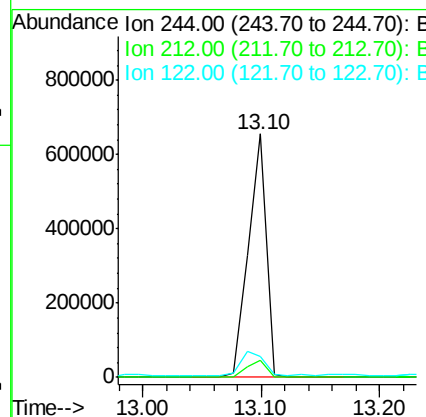
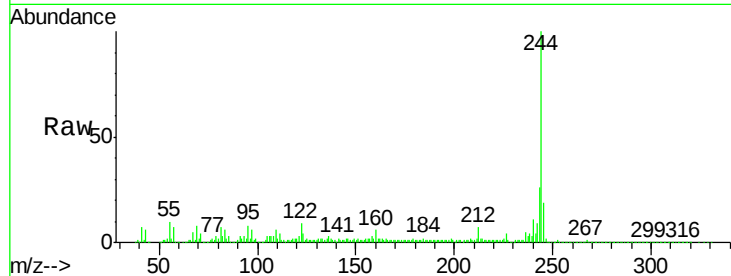
#78
 Terphenyl-d14
 Concen: 59.31 ng
 RT: 13.10 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: BF085188.D
 Acq: 4 Mar 2016 6:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-42(10-12)

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.8	6.4	9.6
122	8.7	11.4	17.2#

Manual Integrations
 APPROVED

Sohil
 3/4/2016 4:36:18 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.61 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: BF085188.D
 Acq: 4 Mar 2016 6:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.4	19.2	28.8
265	22.1	17.3	25.9

