

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050116\
 Data File : BF086606.D
 Acq On : 2 May 2016 8:52
 Operator : UM/SJ
 Sample : H2686-10
 Misc :
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-1(0-10FTBGS)

Manual Integrations
 APPROVED

sohil
 5/2/2016 7:49:22 PM

Quant Time: May 02 18:40:33 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	136616	20.00	ng	-0.05
21) Naphthalene-d8	8.05	136	581859	20.00	ng	-0.05
38) Acenaphthene-d10	9.80	164	280536	20.00	ng	-0.05
63) Phenanthrene-d10	11.28	188	514510	20.00	ng	-0.05
75) Chrysene-d12	13.91	240	361014	20.00	ng	-0.06
86) Perylene-d12	15.30	264	306443	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1030380	130.09	ng	-0.02
7) Phenol-d6	6.41	99	1305900	118.14	ng	-0.03
23) Nitrobenzene-d5	7.33	82	992481	91.94	ng	-0.05
41) 2,4,6-Tribromophenol	10.59	330	379569	128.30	ng	-0.05
44) 2-Fluorobiphenyl	9.13	172	1449807	92.05	ng	-0.05
78) Terphenyl-d14	12.86	244	1372986	83.79	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.08	128	316388	10.69	ng	98
76) Benzidine	12.62	184	236218	19.04	ng	97

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

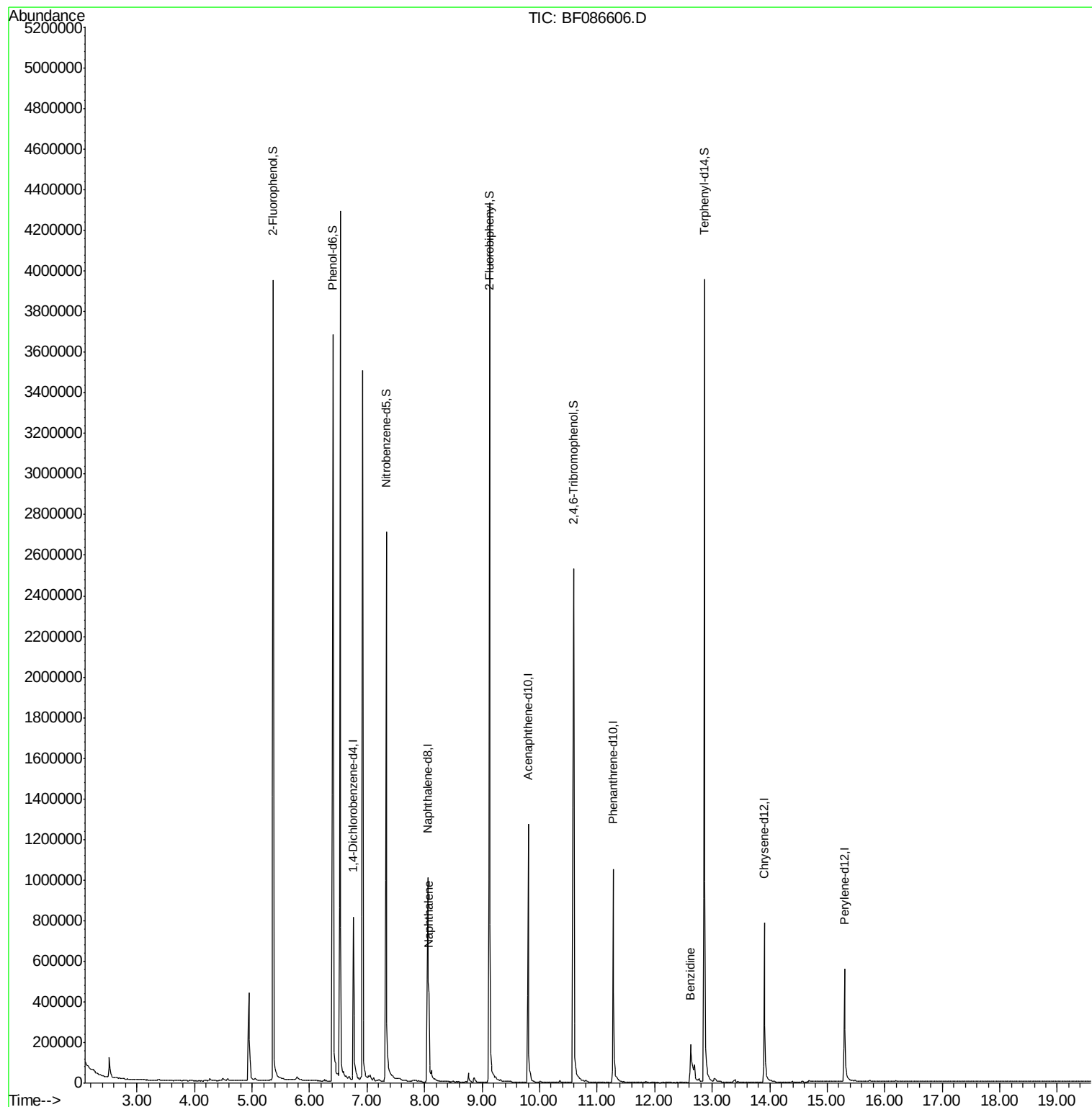
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050116\
Data File : BF086606.D
Acq On : 2 May 2016 8:52
Operator : UM/SJ
Sample : H2686-10
Misc :
ALS Vial : 89 Sample Multiplier: 1

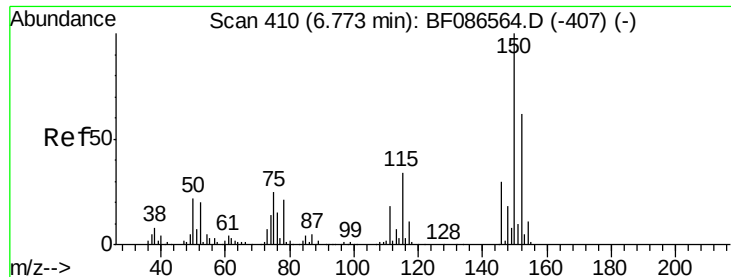
Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-1(0-10FTBGS)

Manual Integrations
APPROVED

sohil
5/2/2016 7:49:22 PM

Quant Time: May 02 18:40:33 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 27 14:20:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.05 min

Lab File: BF086606.D

Acq: 2 May 2016 8:52

Instrument :

BNA_F

ClientSampleId :

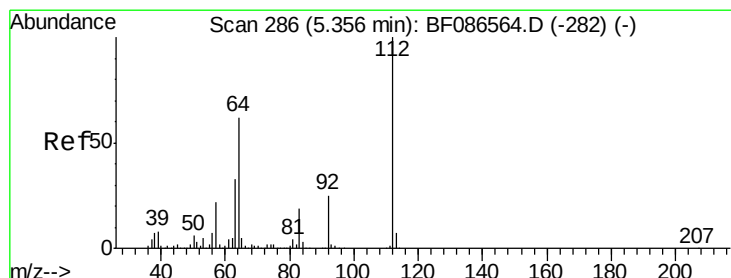
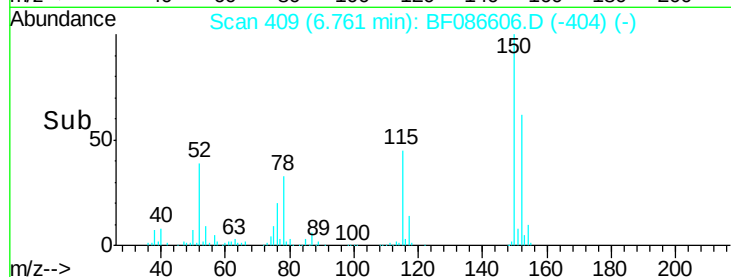
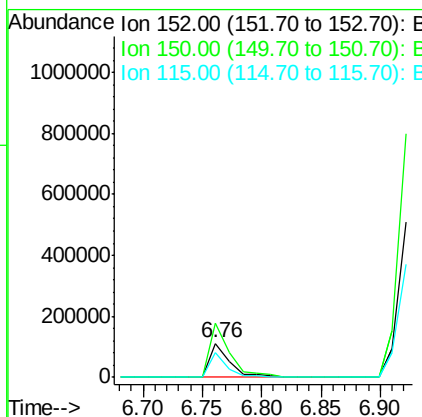
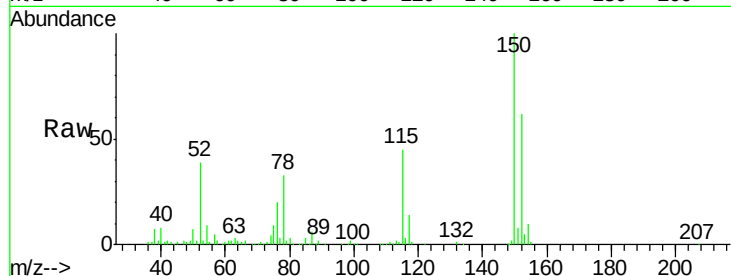
26WARD-2B-CS-1(0-10FTBGS)

Manual Integrations
APPROVED

sohil

5/2/2016 7:49:22 PM

Tgt Ion:	152	Resp:	136616
Ion Ratio	Lower	Upper	
152	100		
150	160.6	125.8	188.6
115	71.7	51.5	77.3



#5

2-Fluorophenol

Concen: 130.09 ng

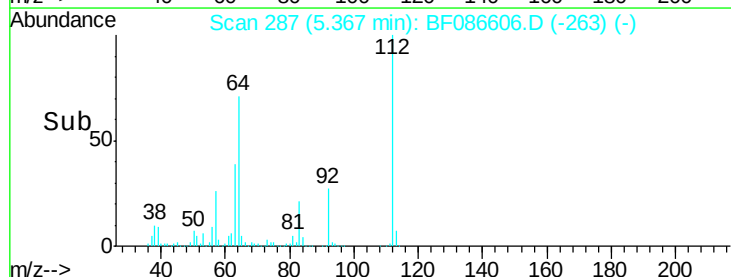
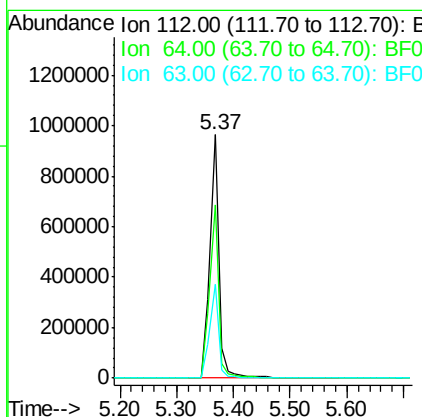
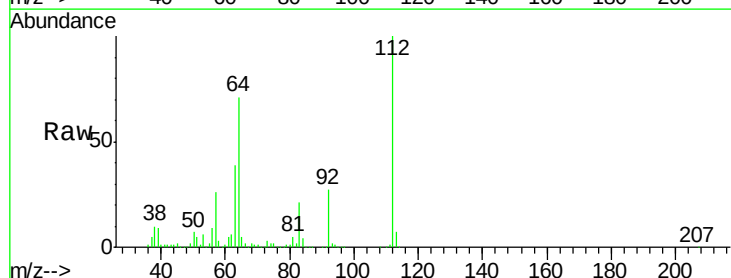
RT: 5.37 min Scan# 287

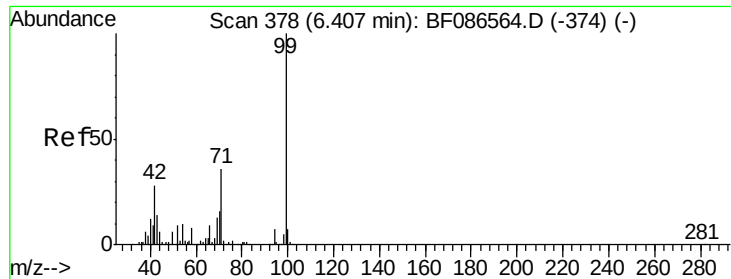
Delta R.T. -0.02 min

Lab File: BF086606.D

Acq: 2 May 2016 8:52

Tgt Ion:	112	Resp:	1030380
Ion Ratio	Lower	Upper	
112	100		
64	71.0	52.1	78.1
63	38.8	25.7	38.5#





#7

Phenol-d6

Concen: 118.14 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086606.D

Acq: 2 May 2016 8:52

Instrument :

BNA_F

ClientSampleId :

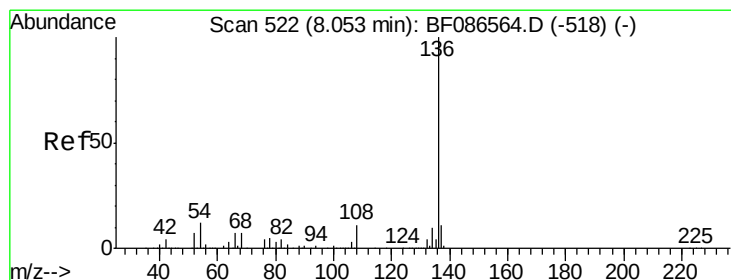
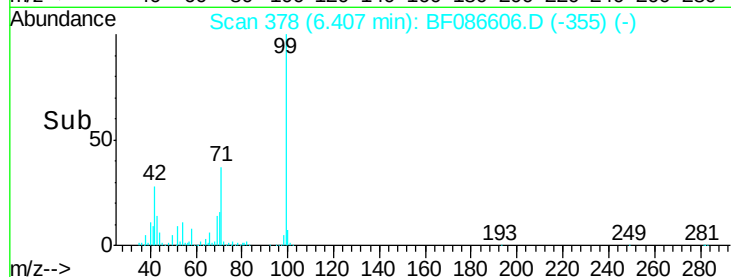
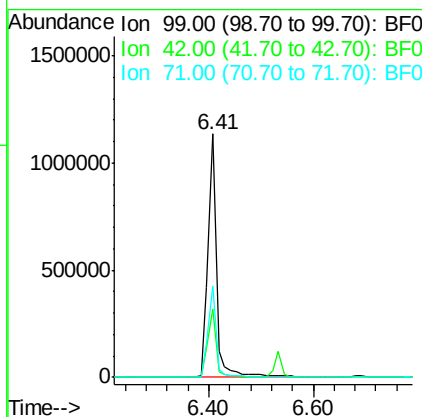
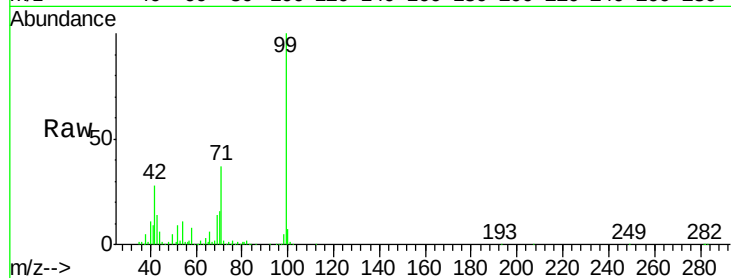
26WARD-2B-CS-1(0-10FTBGS)

Manual Integrations
APPROVED

sohil

5/2/2016 7:49:22 PM

Tgt Ion	Ratio	Lower	Upper
99	100		
42	28.1	13.6	20.4#
71	37.3	24.6	36.8#



#21

Naphthalene-d8

Concen: 20.00 ng

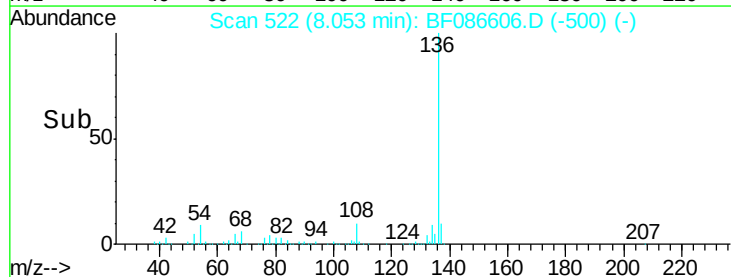
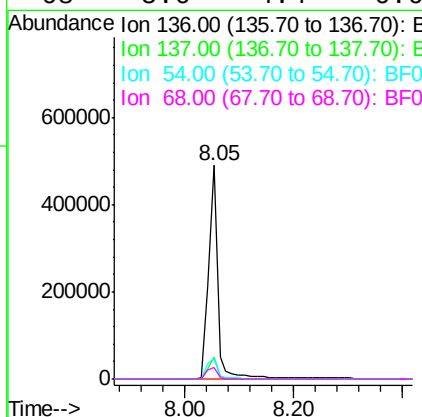
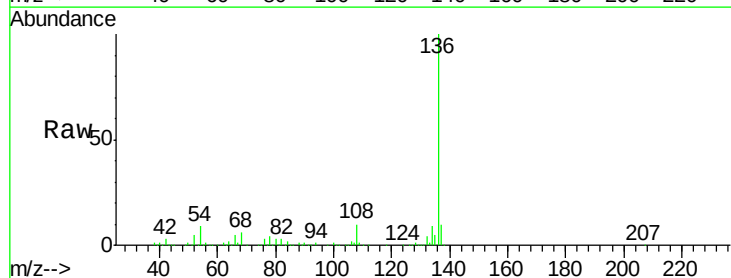
RT: 8.05 min Scan# 522

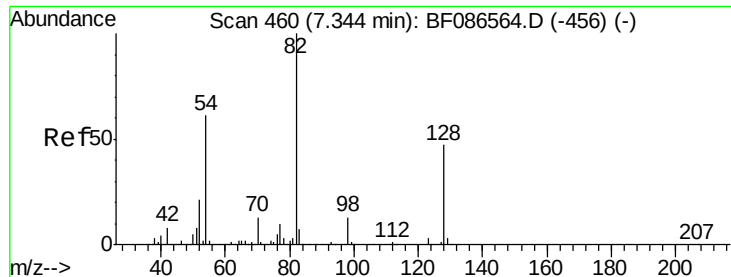
Delta R.T. -0.05 min

Lab File: BF086606.D

Acq: 2 May 2016 8:52

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	9.4	5.0	7.4#
68	5.6	4.4	6.6





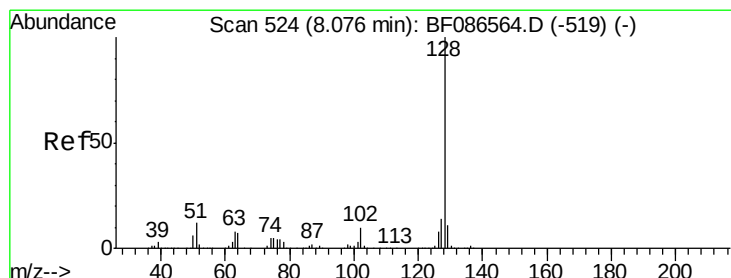
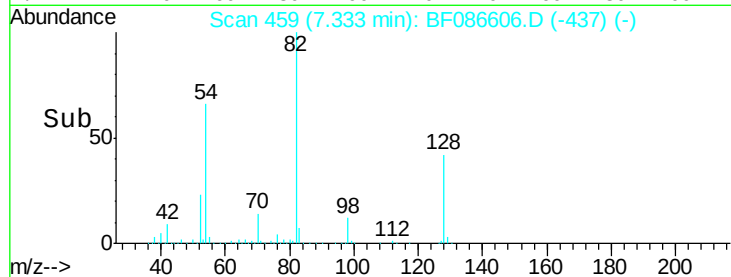
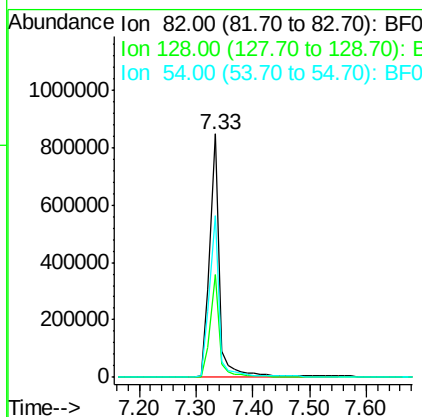
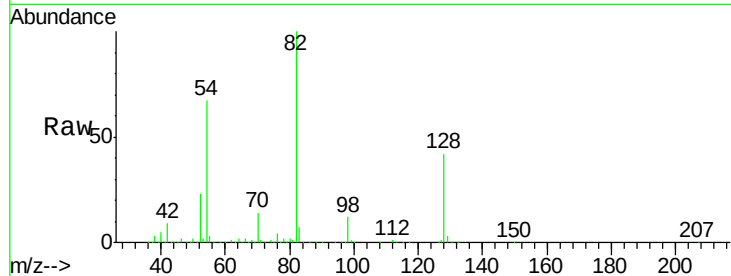
#23
 Nitrobenzene-d5
 Concen: 91.94 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.05 min
 Lab File: BF086606.D
 Acq: 2 May 2016 8:52

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-1(0-10FTBGS)

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	42.1	40.6	61.0
54	66.5	38.1	57.1#

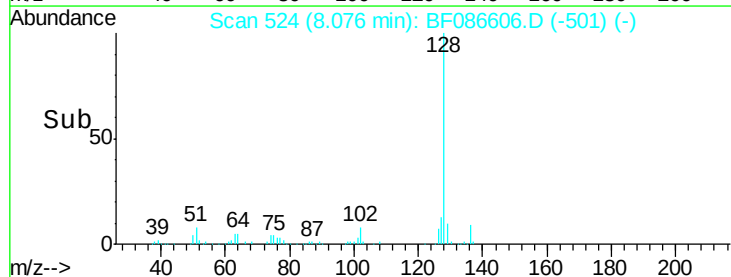
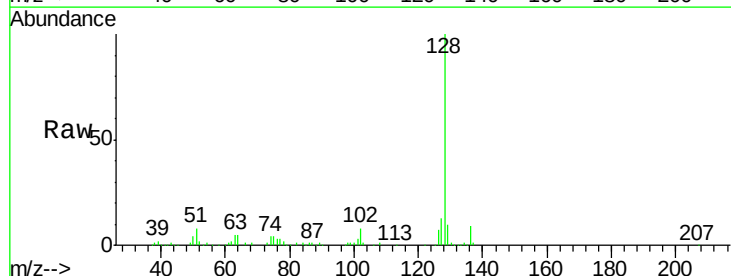
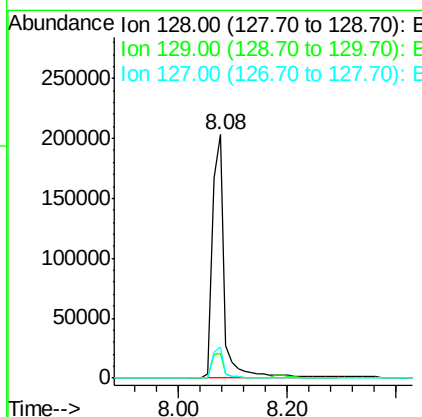
Manual Integrations
 APPROVED

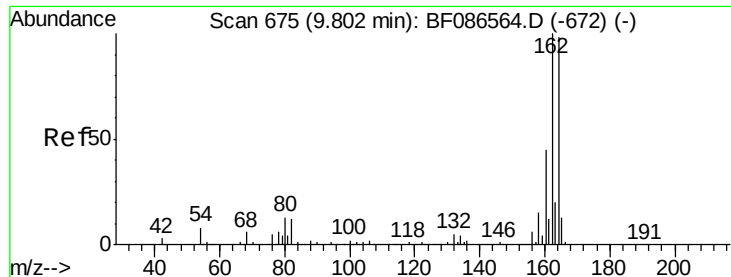
sohil
 5/2/2016 7:49:22 PM



#31
 Naphthalene
 Concen: 10.69 ng
 RT: 8.08 min Scan# 524
 Delta R.T. -0.03 min
 Lab File: BF086606.D
 Acq: 2 May 2016 8:52

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	10.2	8.6	13.0
127	12.9	10.8	16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.05 min

Lab File: BF086606.D

Acq: 2 May 2016 8:52

Instrument :

BNA_F

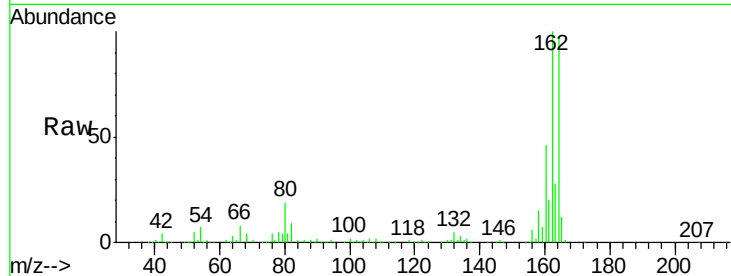
ClientSampleId :

26WARD-2B-CS-1(0-10FTBGS)

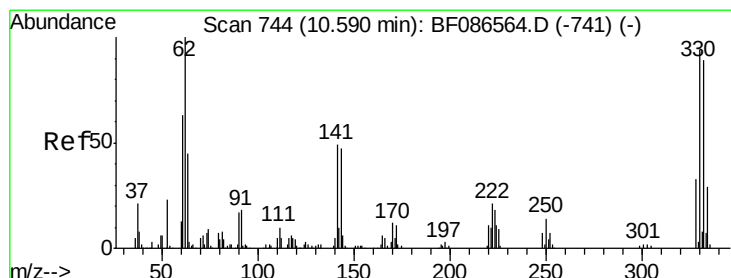
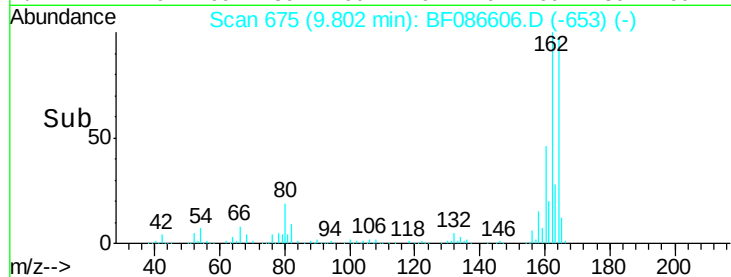
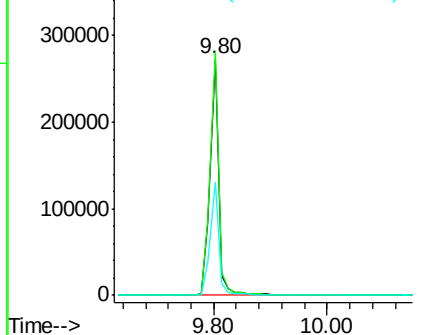
Tgt Ion:	164	Resp:	280536
Ion Ratio	Lower	Upper	
164	100		
162	103.1	82.8	124.2
160	47.9	36.9	55.3

Manual Integrations
APPROVED

sohil
5/2/2016 7:49:22 PM



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 128.30 ng

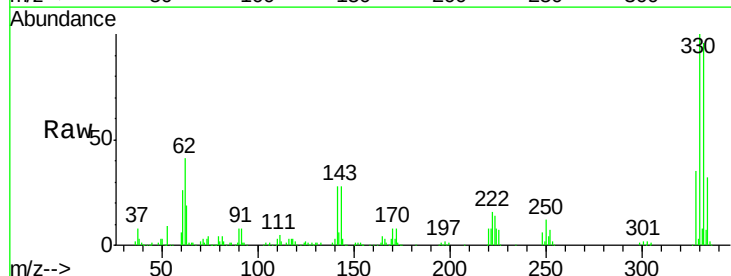
RT: 10.59 min Scan# 744

Delta R.T. -0.05 min

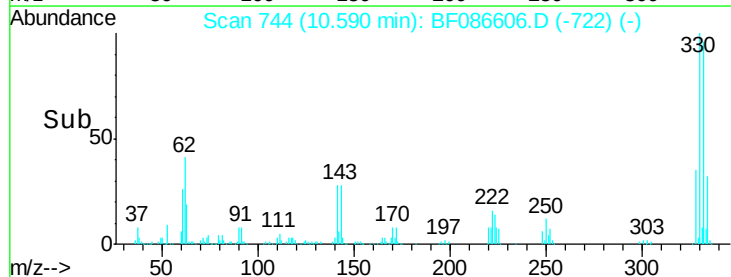
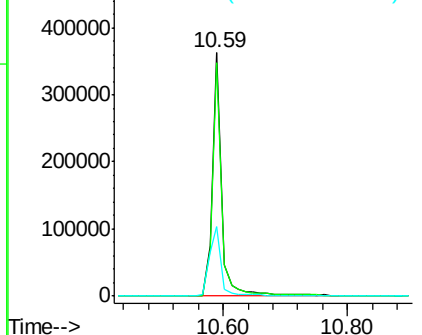
Lab File: BF086606.D

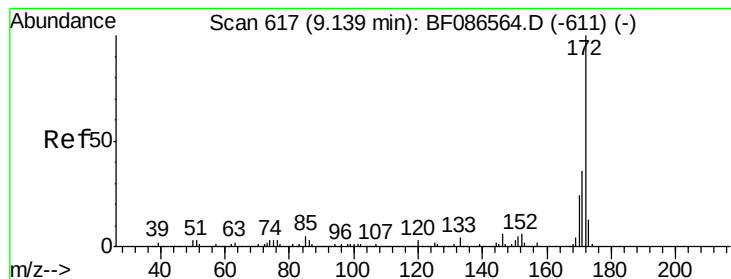
Acq: 2 May 2016 8:52

Tgt Ion:	330	Resp:	379569
Ion Ratio	Lower	Upper	
330	100		
332	95.6	79.0	118.4
141	36.9	31.2	46.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





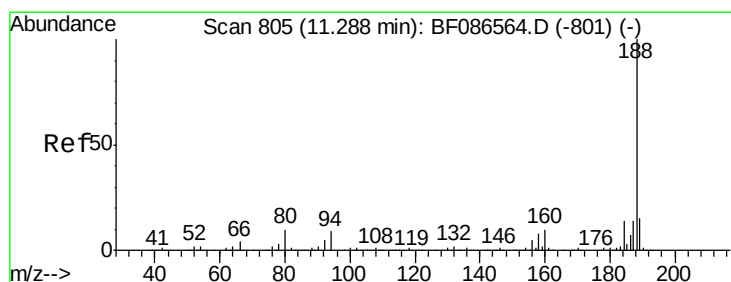
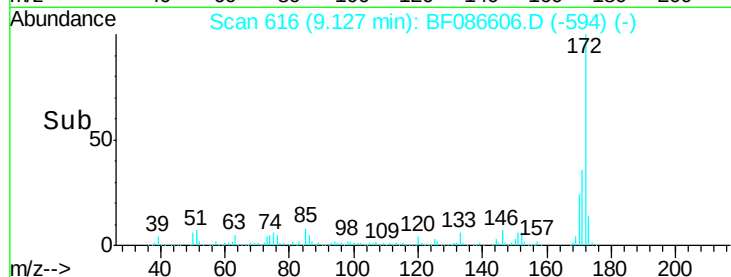
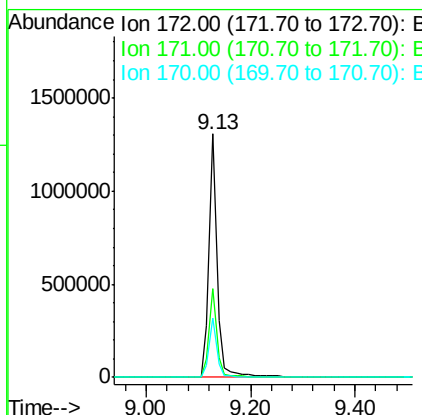
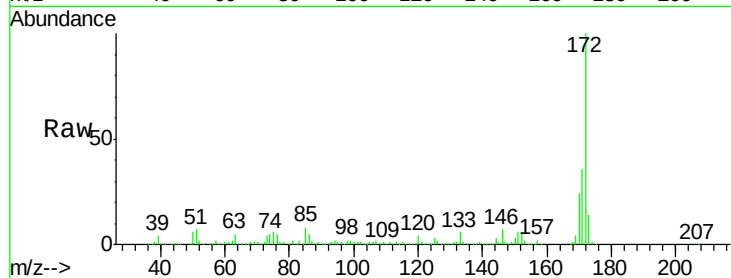
#44
2-Fluorobiphenyl
Concen: 92.05 ng
RT: 9.13 min Scan# 616
Delta R.T. -0.05 min
Lab File: BF086606.D
Acq: 2 May 2016 8:52

Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-1(0-10FTBGS)

Tgt Ion:172 Resp: 1449807
Ion Ratio Lower Upper
172 100
171 36.3 29.0 43.6
170 24.3 19.8 29.8

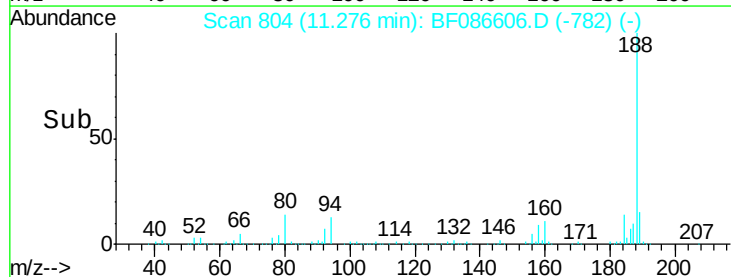
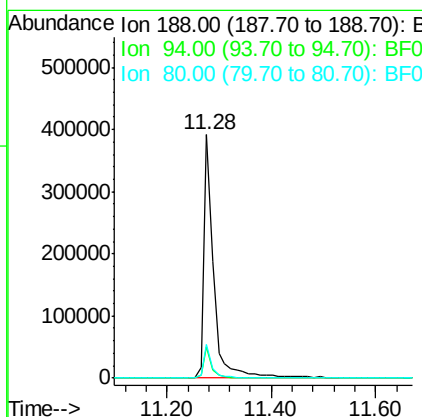
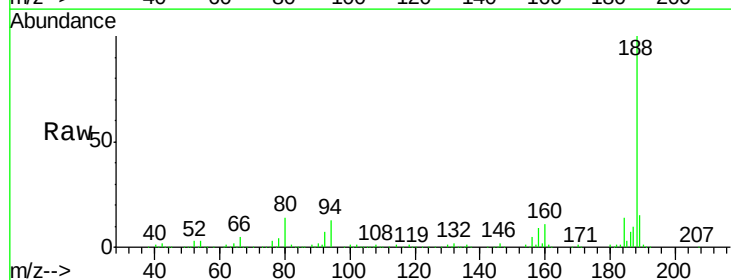
Manual Integrations
APPROVED

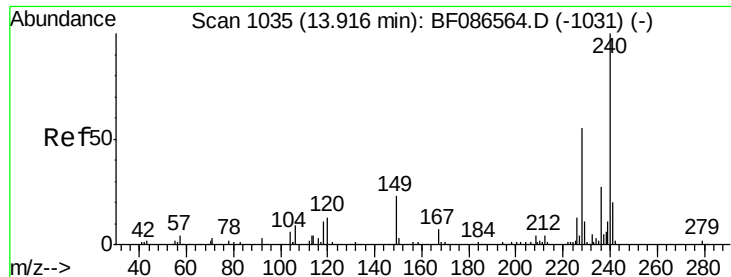
sohil
5/2/2016 7:49:22 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.05 min
Lab File: BF086606.D
Acq: 2 May 2016 8:52

Tgt Ion:188 Resp: 514510
Ion Ratio Lower Upper
188 100
94 12.8 6.8 10.2#
80 14.1 7.1 10.7#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086606.D

Acq: 2 May 2016 8:52

Instrument :

BNA_F

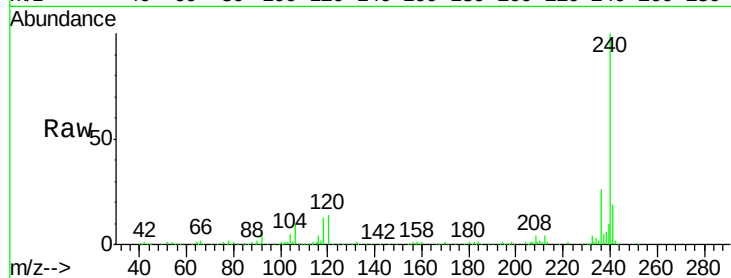
ClientSampleId :

26WARD-2B-CS-1(0-10FTBGS)

Tgt Ion:	240	Resp:	361014
Ion Ratio	Lower	Upper	
240	100		
120	14.2	11.2	16.8
236	26.0	21.2	31.8

Manual Integrations
APPROVED

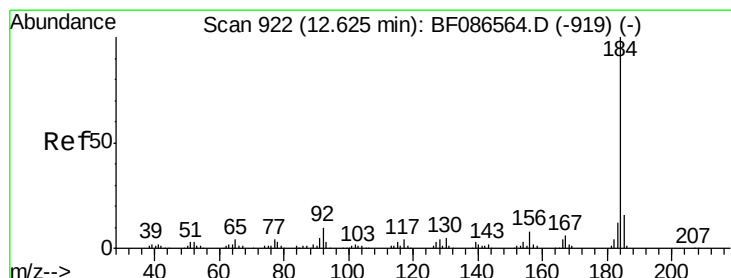
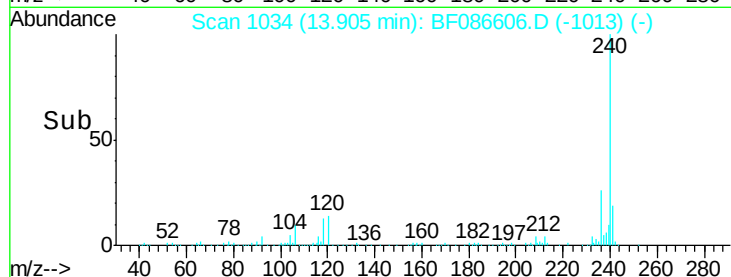
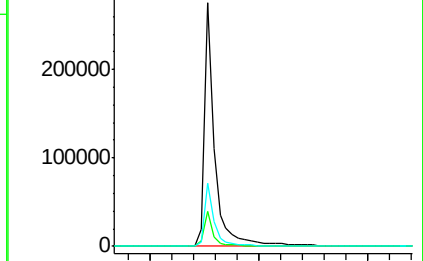
sohil
5/2/2016 7:49:22 PM



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



#76

Benzidine

Concen: 19.04 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.03 min

Lab File: BF086606.D

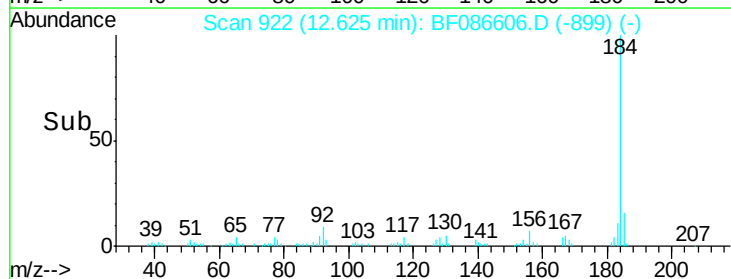
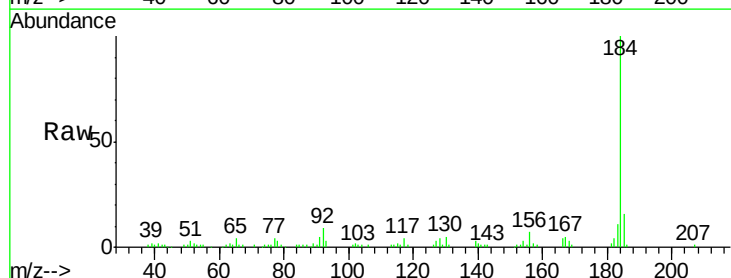
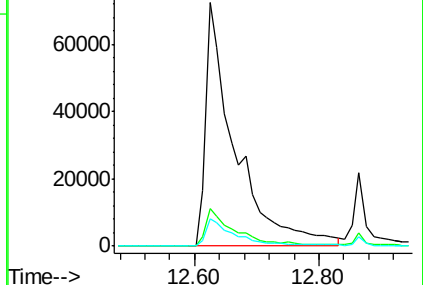
Acq: 2 May 2016 8:52

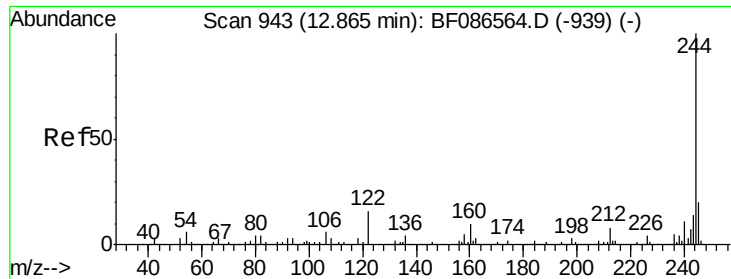
Tgt Ion:	184	Resp:	236218
Ion Ratio	Lower	Upper	
184	100		
185	15.5	13.6	20.4
183	11.2	9.8	14.6

Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





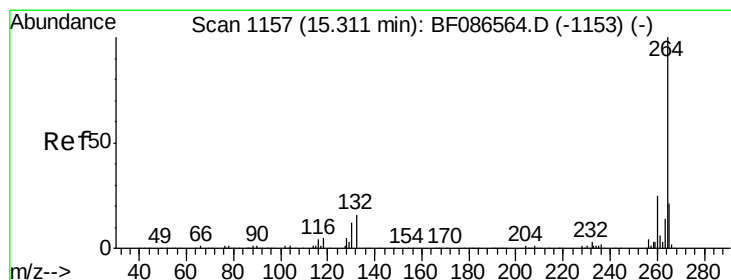
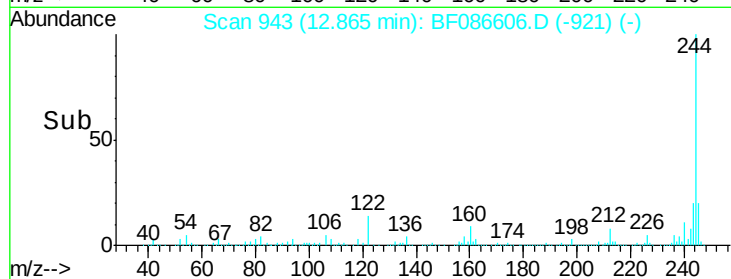
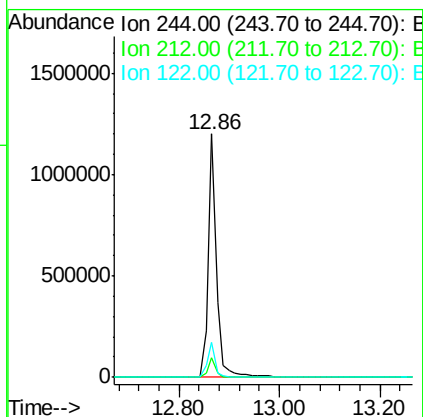
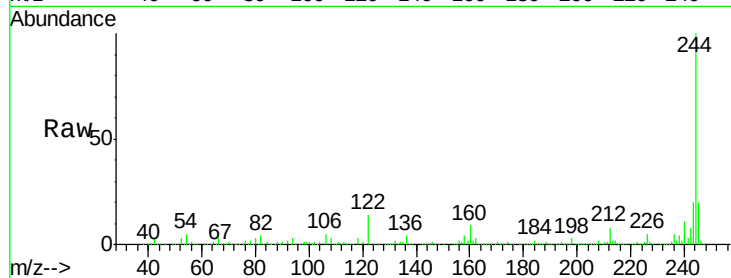
#78
 Terphenyl-d14
 Concen: 83.79 ng
 RT: 12.86 min Scan# 943
 Delta R.T. -0.05 min
 Lab File: BF086606.D
 Acq: 2 May 2016 8:52

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-1(0-10FTBGS)

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	14.3	12.0	18.0

Manual Integrations
 APPROVED

sohil
 5/2/2016 7:49:22 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1156
 Delta R.T. -0.06 min
 Lab File: BF086606.D
 Acq: 2 May 2016 8:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	21.3	17.3	25.9

