

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085841.D
 Acq On : 29 Mar 2016 9:51
 Operator : UM/SJ
 Sample : H1834-03
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5

Manual Integrations
 APPROVED

Sohil
 3/29/2016 5:04:37 PM

Quant Time: Mar 29 14:45:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	79039m	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	86945m	20.00	ng	0.02
38) Acenaphthene-d10	9.94	164	81815m	20.00	ng	0.08
63) Phenanthrene-d10	11.42	188	101522m	20.00	ng	0.07
75) Chrysene-d12	13.99	240	181115m	20.00	ng	0.01
86) Perylene-d12	15.40	264	203114m	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	682241	143.75	ng	0.00
7) Phenol-d6	6.46	99	738116m	122.32	ng	0.00
23) Nitrobenzene-d5	7.41	82	322774	209.06	ng	0.01
41) 2,4,6-Tribromophenol	10.74	330	79777	102.63	ng	0.09
44) 2-Fluorobiphenyl	9.25	172	329264	67.24	ng	0.06
78) Terphenyl-d14	12.97	244	382377m	43.42	ng	0.05
Target Compounds						
31) Naphthalene	8.21	128	644673	147.15	ng	# 1
37) 2-Methylnaphthalene	9.01	142	2655879	Below Cal		# 86
45) 1,1'-Biphenyl	9.34	154	459897	66.62	ng	94
51) Acenaphthene	9.99	154	333513m	66.01	ng	
57) Fluorene	10.50	166	730999m	134.47	ng	
70) Phenanthrene	11.45	178	2102315m	403.30	ng	
77) Pyrene	12.85	202	300364m	20.18	ng	

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

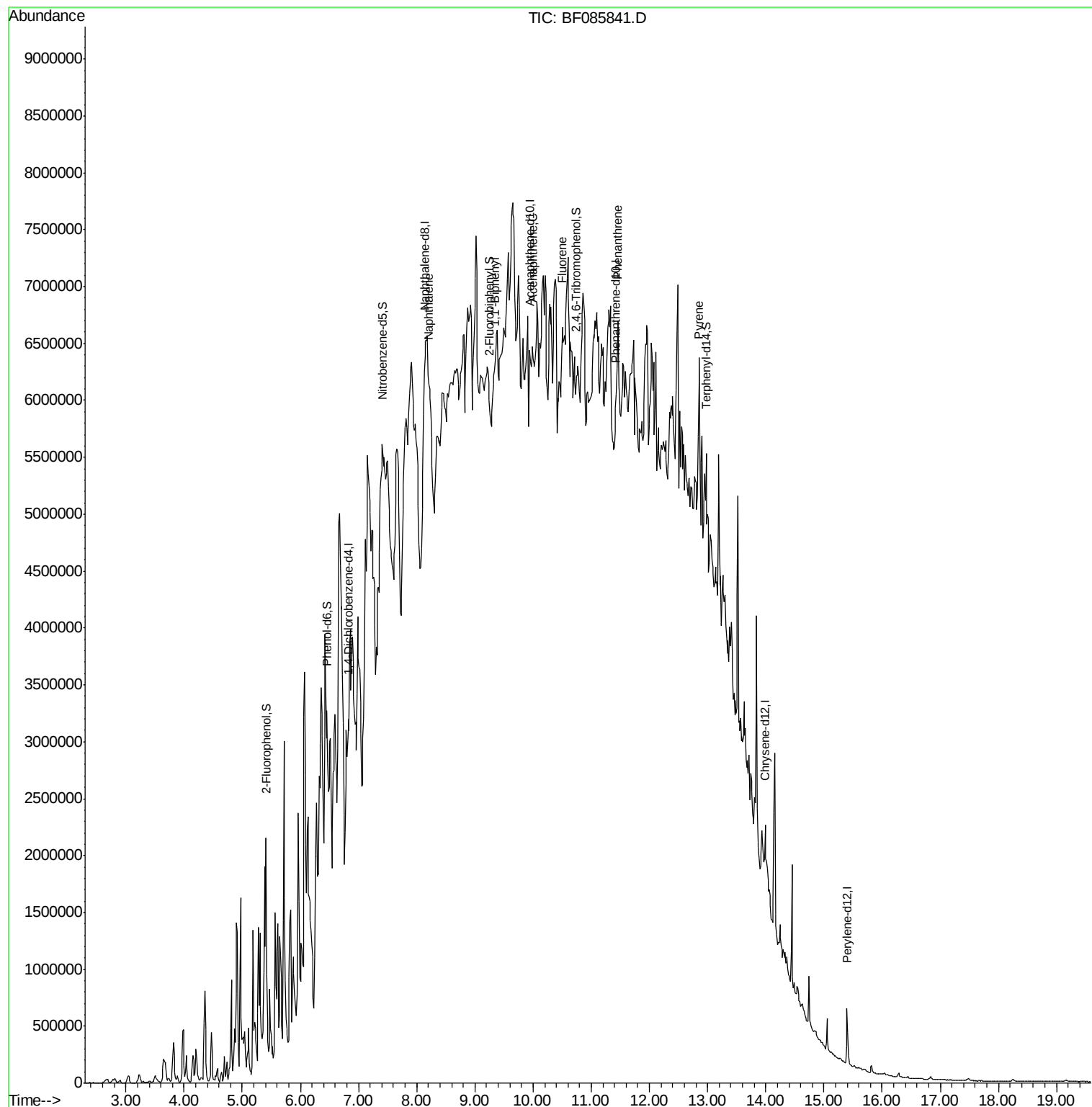
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
Data File : BF085841.D
Acq On : 29 Mar 2016 9:51
Operator : UM/SJ
Sample : H1834-03
Misc :
ALS Vial : 44 Sample Multiplier: 1

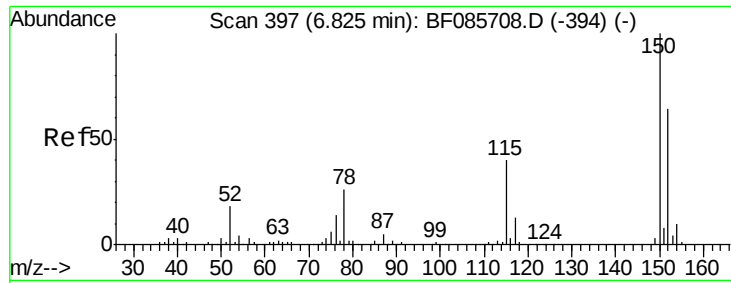
Instrument :
BNA_F
ClientSampleId :
5

Manual Integrations
APPROVED

Sohil
3/29/2016 5:04:37 PM

Quant Time: Mar 29 14:45:51 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 28 15:27:05 2016
Response via : Initial Calibration





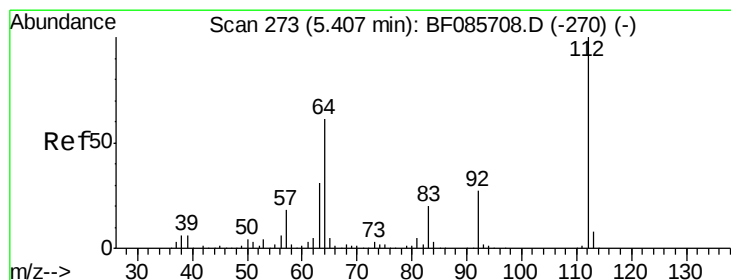
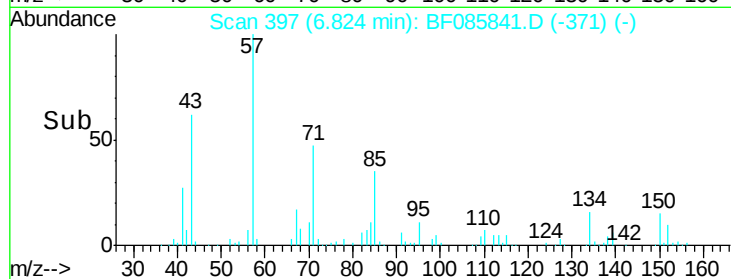
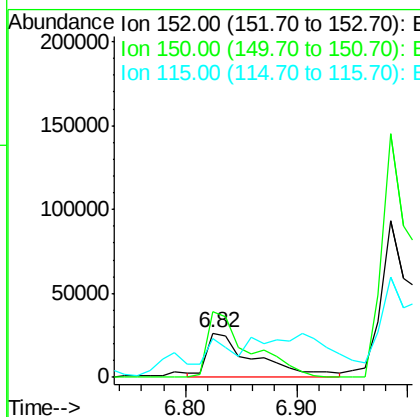
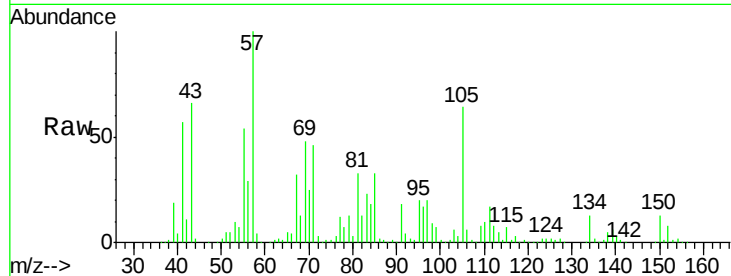
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng m
 RT: 6.82 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: BF085841.D
 Acq: 29 Mar 2016 9:51

Instrument :
 BNA_F
 ClientSampled :
 5

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.5	124.2	186.2
115	87.9	47.0	70.6

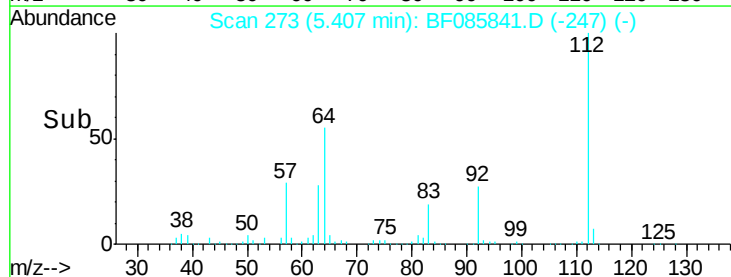
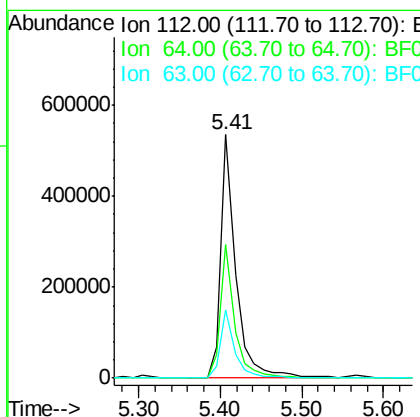
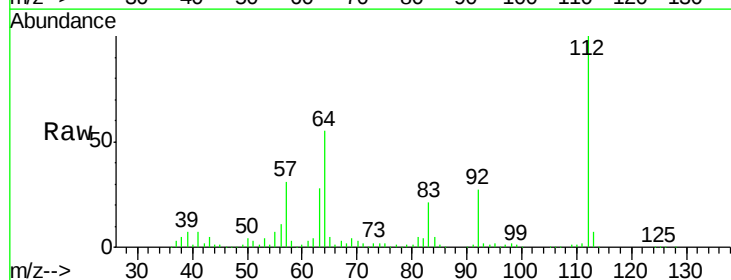
Manual Integrations
 APPROVED

Sohil
 3/29/2016 5:04:37 PM



#5
 2-Fluorophenol
 Concen: 143.75 ng
 RT: 5.41 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: BF085841.D
 Acq: 29 Mar 2016 9:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	39.9	59.9
63	27.8	20.2	30.2





#7

Phenol-d6

Concen: 122.32 ng m

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085841.D

Acq: 29 Mar 2016 9:51

Instrument :

BNA_F

ClientSampled :

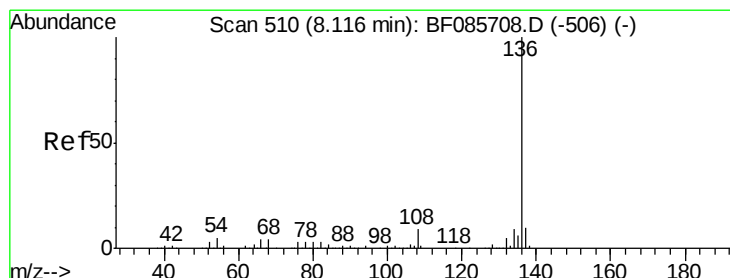
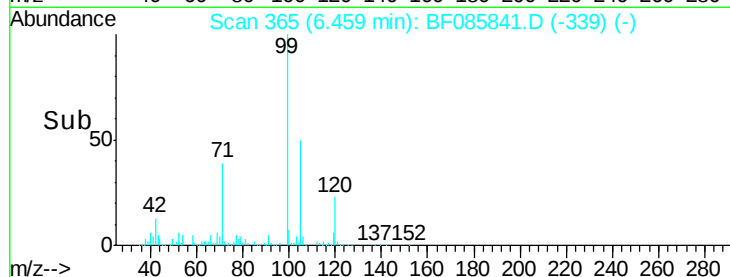
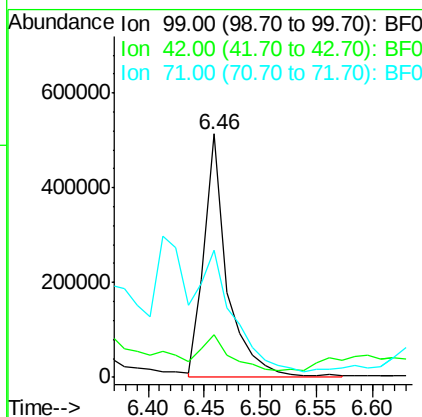
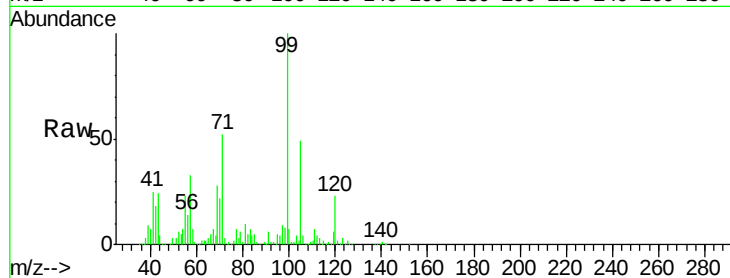
5

Manual Integrations
APPROVED

Sohil

3/29/2016 5:04:37 PM

Tgt Ion:	99	Resp:	738116
Ion Ratio	Lower	Upper	
99	100		
42	17.8	11.1	16.7#
71	52.1	24.9	37.3#



#21

Naphthalene-d8

Concen: 20.00 ng m

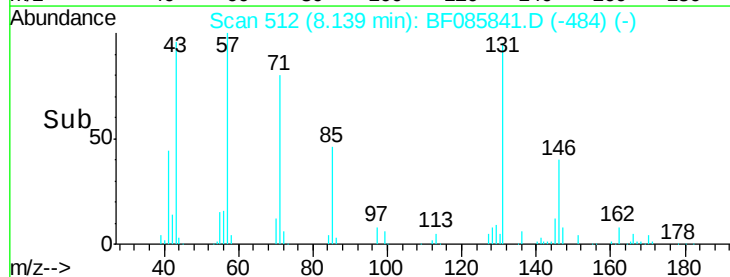
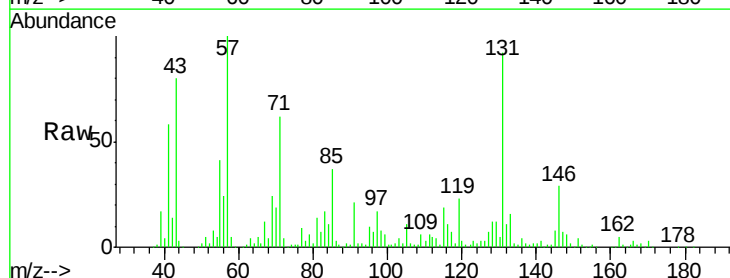
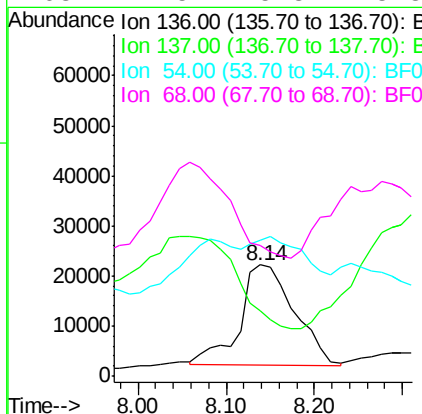
RT: 8.14 min Scan# 512

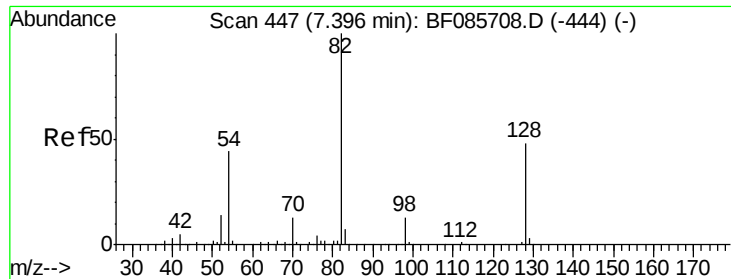
Delta R.T. 0.02 min

Lab File: BF085841.D

Acq: 29 Mar 2016 9:51

Tgt Ion:	136	Resp:	86945
Ion Ratio	Lower	Upper	
136	100		
137	58.7	9.1	13.7#
54	123.0	7.4	11.0#
68	117.5	5.8	8.8#





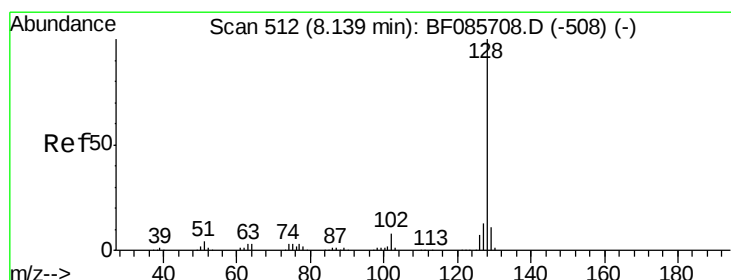
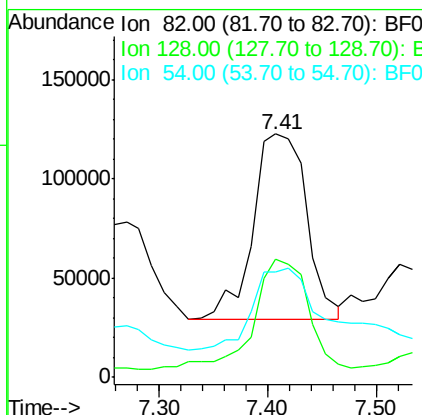
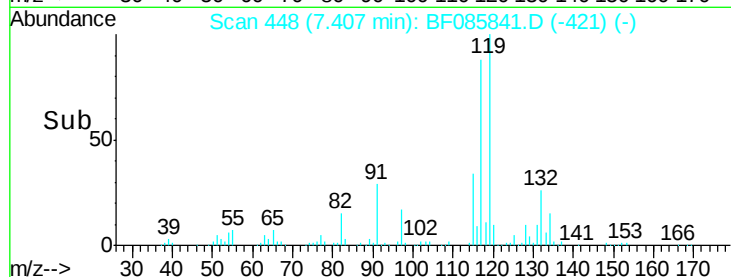
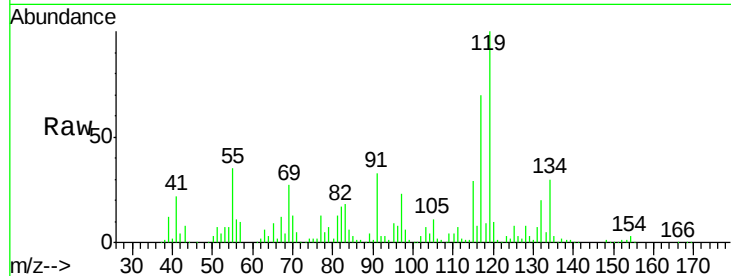
#23
 Nitrobenzene-d5
 Concen: 209.06 ng
 RT: 7.41 min Scan# 448
 Delta R.T. 0.01 min
 Lab File: BF085841.D
 Acq: 29 Mar 2016 9:51

Instrument :
 BNA_F
 ClientSampled :
 5

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	322774		
128	48.7	41.8	62.8	
54	43.4	33.4	50.0	

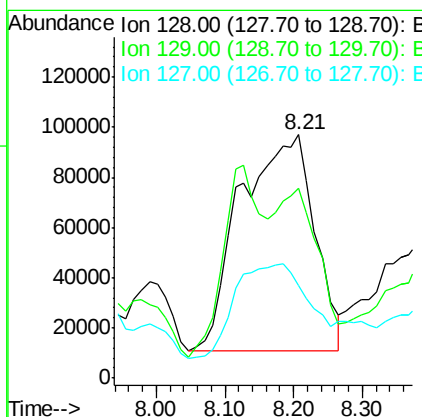
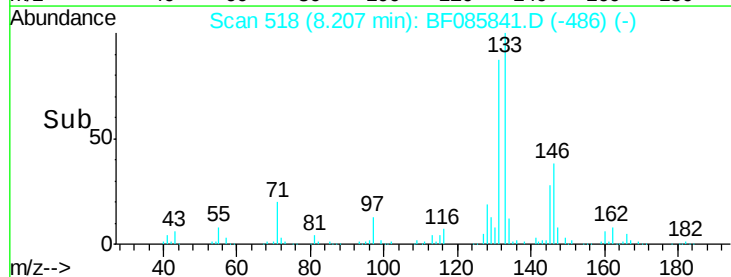
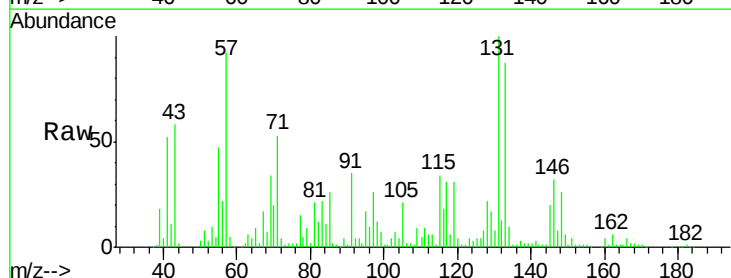
Manual Integrations
 APPROVED

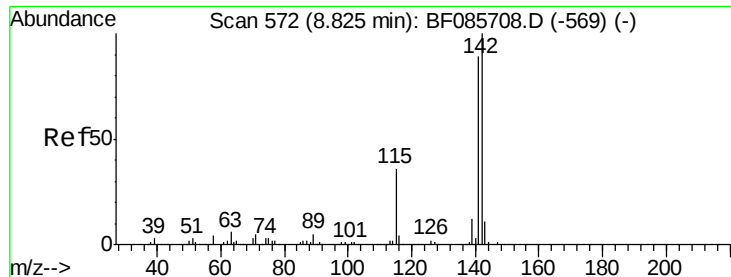
Sohil
 3/29/2016 5:04:37 PM



#31
 Naphthalene
 Concen: 147.15 ng
 RT: 8.21 min Scan# 518
 Delta R.T. 0.07 min
 Lab File: BF085841.D
 Acq: 29 Mar 2016 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	644673		
129	78.1	9.4	14.0#	
127	38.1	11.0	16.6#	





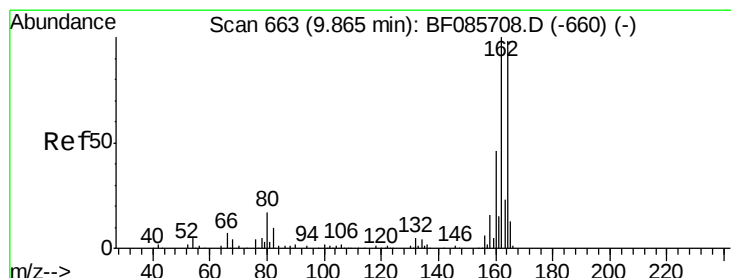
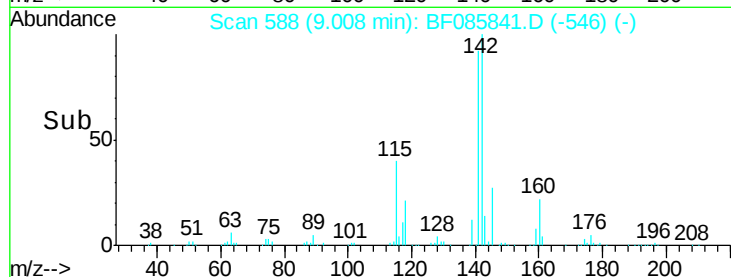
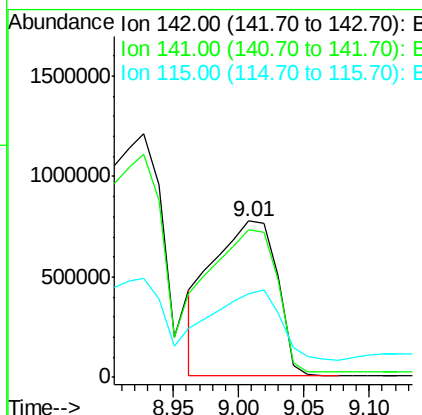
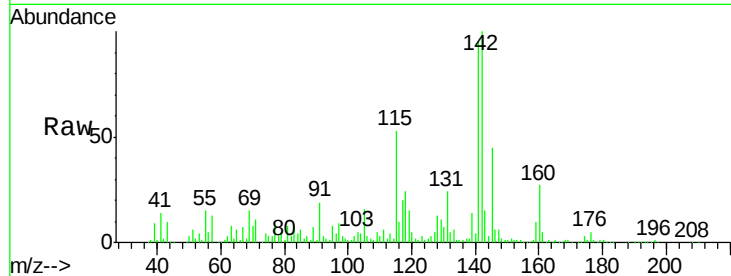
#37
 2-Methylnaphthalene
 Concen: Below Cal
 RT: 9.01 min Scan# 588
 Delta R.T. 0.18 min
 Lab File: BF085841.D
 Acq: 29 Mar 2016 9:51

Instrument :
 BNA_F
 ClientSampleId :
 5

Tgt Ion:142 Resp: 2655879
 Ion Ratio Lower Upper
 142 100
 141 94.9 71.6 107.4
 115 53.3 26.8 40.2#

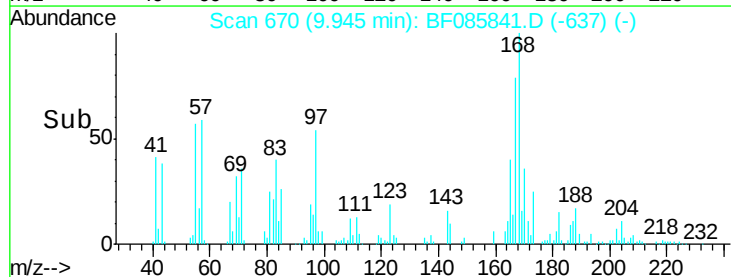
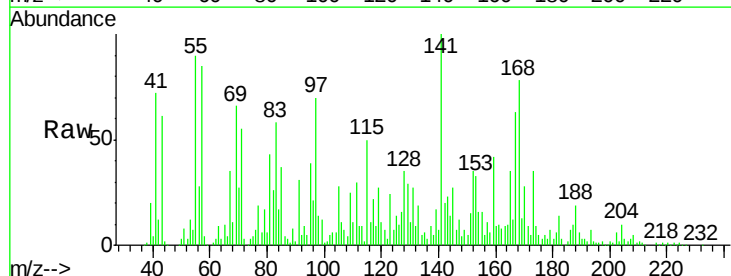
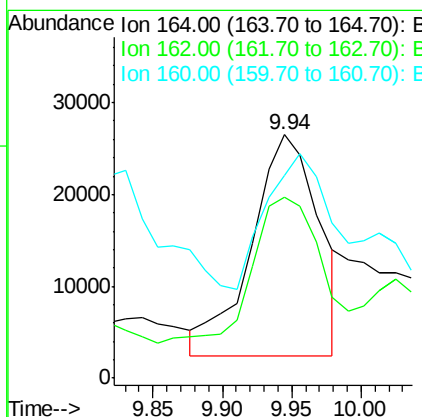
Manual Integrations
 APPROVED

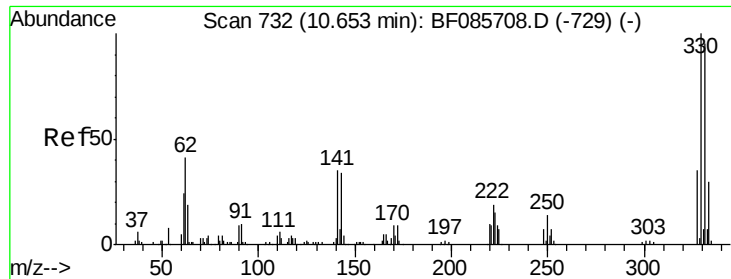
Sohil
 3/29/2016 5:04:37 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng m
 RT: 9.94 min Scan# 670
 Delta R.T. 0.08 min
 Lab File: BF085841.D
 Acq: 29 Mar 2016 9:51

Tgt Ion:164 Resp: 81815
 Ion Ratio Lower Upper
 164 100
 162 74.3 82.1 123.1#
 160 83.5 37.4 56.2#





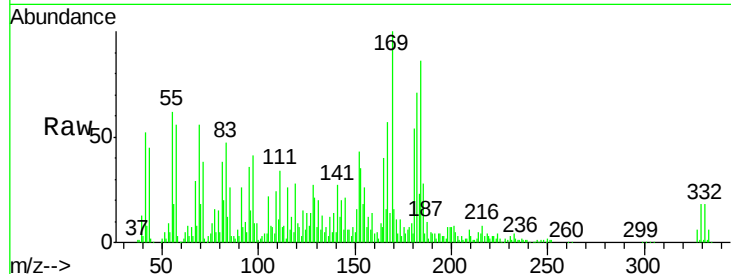
#41
 2,4,6-Tribromophenol
 Concen: 102.63 ng
 RT: 10.74 min Scan# 740
 Delta R.T. 0.09 min
 Lab File: BF085841.D
 Acq: 29 Mar 2016 9:51

Instrument :
 BNA_F
 ClientSampled :
 5

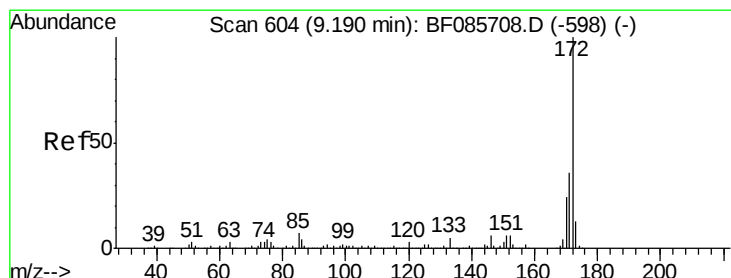
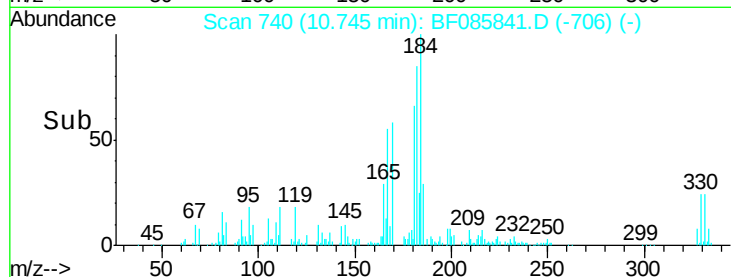
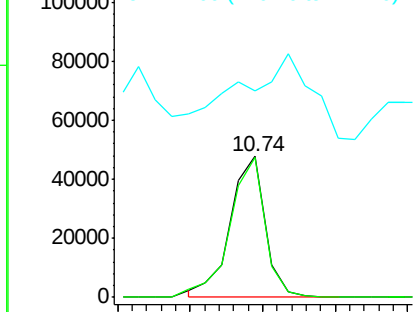
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	79777		
332	97.9	78.2	117.2	
141	0.0	31.5	47.3	

Manual Integrations
 APPROVED

Sohil
 3/29/2016 5:04:37 PM



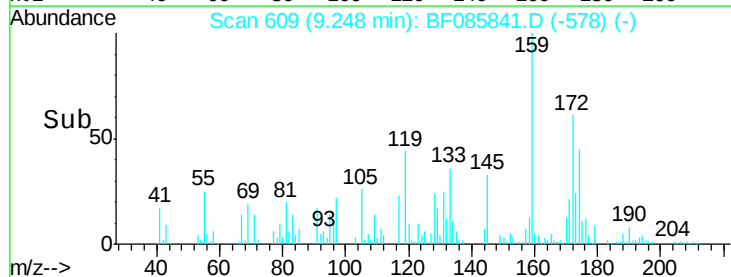
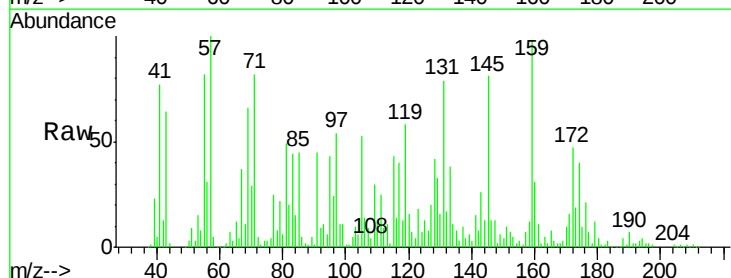
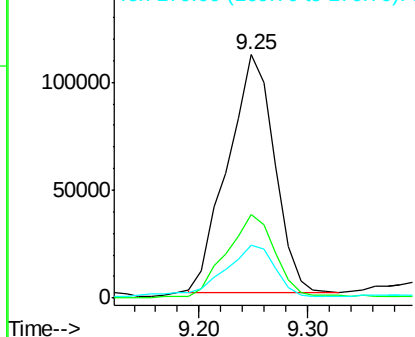
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

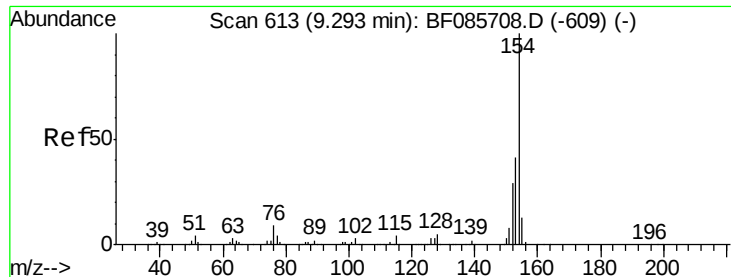


#44
 2-Fluorobiphenyl
 Concen: 67.24 ng
 RT: 9.25 min Scan# 609
 Delta R.T. 0.06 min
 Lab File: BF085841.D
 Acq: 29 Mar 2016 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	329264		
171	34.5	29.4	44.2	
170	21.8	19.8	29.6	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 66.62 ng

RT: 9.34 min Scan# 617

Delta R.T. 0.05 min

Lab File: BF085841.D

Acq: 29 Mar 2016 9:51

Instrument :

BNA_F

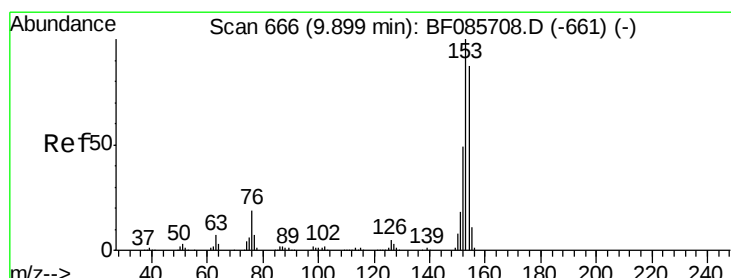
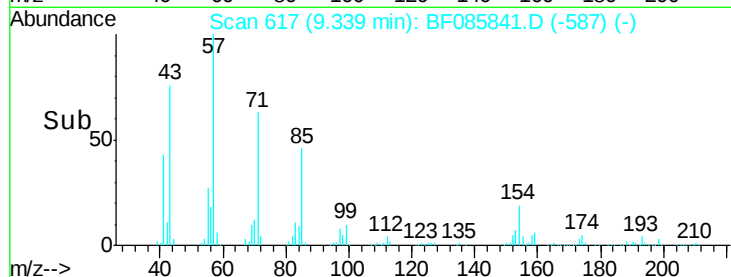
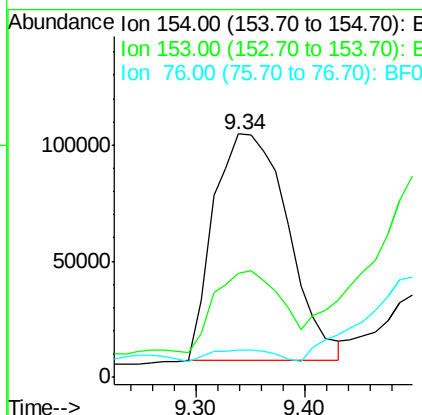
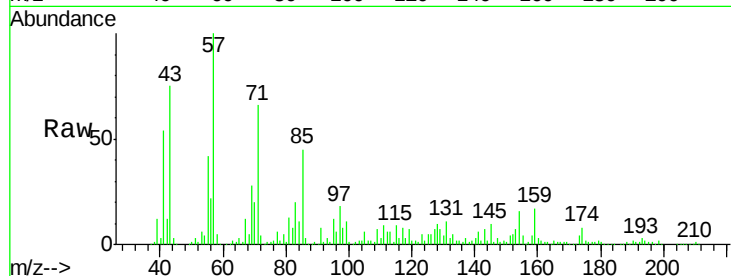
ClientSampled :

5

Tgt Ion:	154	Resp:	459897
Ion Ratio	Lower	Upper	
154	100		
153	42.9	20.8	60.8
76	11.4	0.0	36.7

Manual Integrations
APPROVED

Sohil
3/29/2016 5:04:37 PM



#51

Acenaphthene

Concen: 66.01 ng m

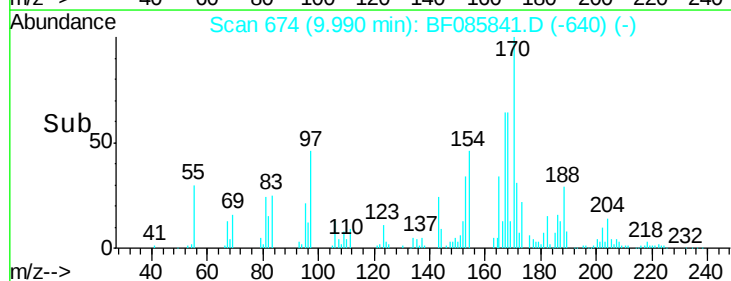
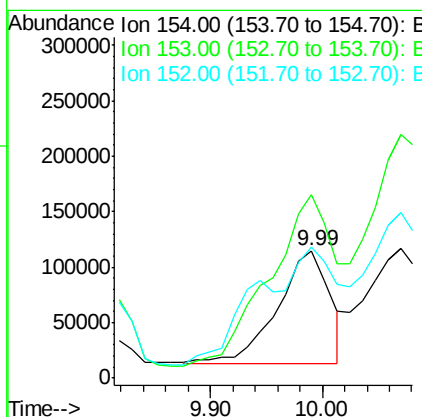
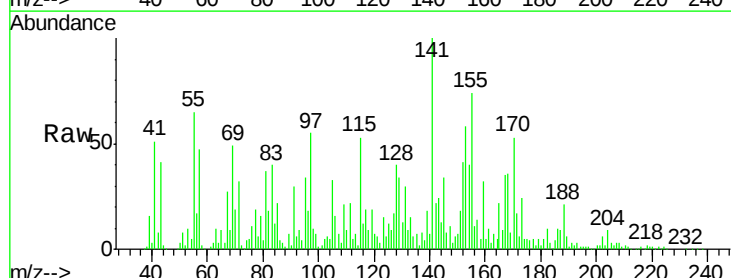
RT: 9.99 min Scan# 674

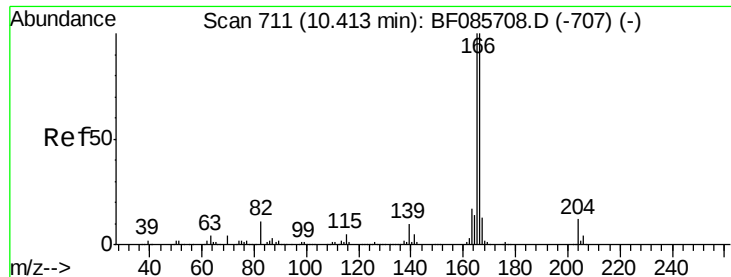
Delta R.T. 0.09 min

Lab File: BF085841.D

Acq: 29 Mar 2016 9:51

Tgt Ion:	154	Resp:	333513
Ion Ratio	Lower	Upper	
154	100		
153	143.8	90.1	135.1#
152	102.7	44.2	66.2#





#57

Fluorene

Concen: 134.47 ng m

RT: 10.50 min Scan# 719

Delta R.T. 0.09 min

Lab File: BF085841.D

Acq: 29 Mar 2016 9:51

Instrument :

BNA_F

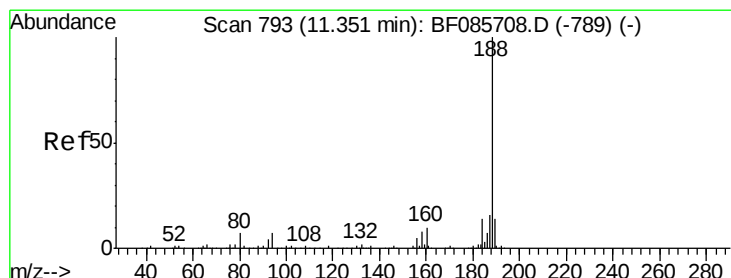
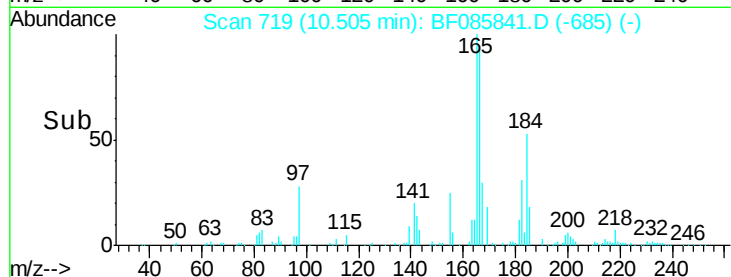
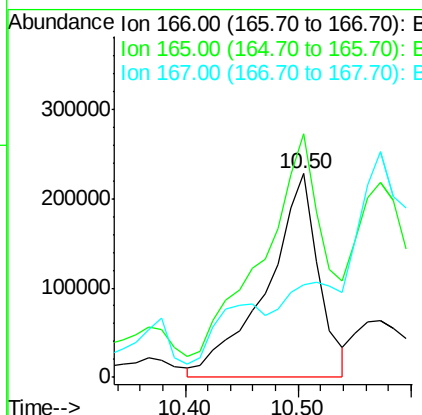
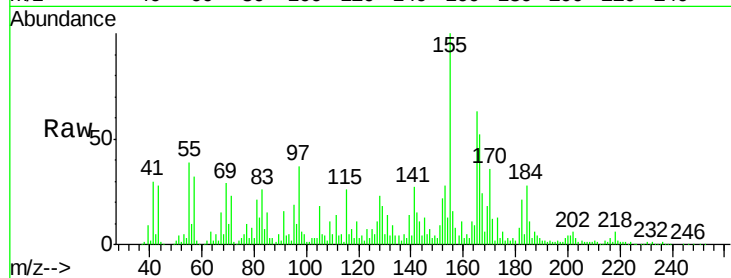
ClientSampled :

5

Tgt Ion:	166	Resp:	730999
Ion Ratio	Lower	Upper	
166	100		
165	119.7	79.4	119.0#
167	45.4	11.0	16.4#

Manual Integrations
APPROVED

Sohil
3/29/2016 5:04:37 PM



#63

Phenanthrene-d10

Concen: 20.00 ng m

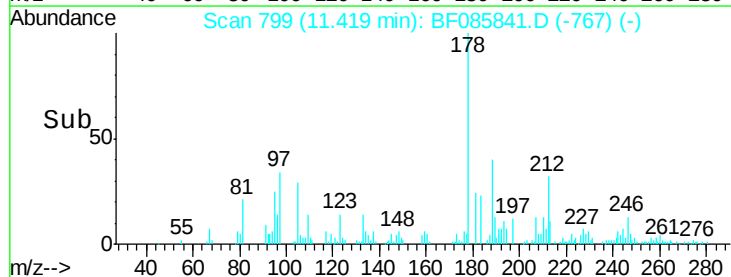
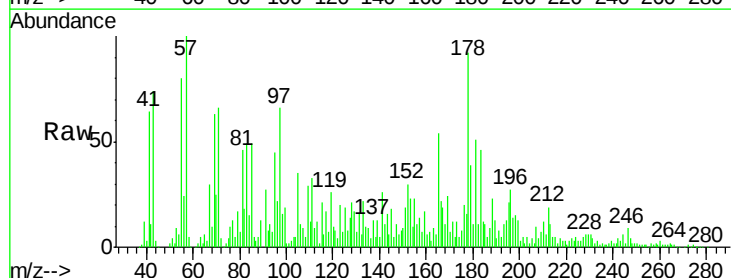
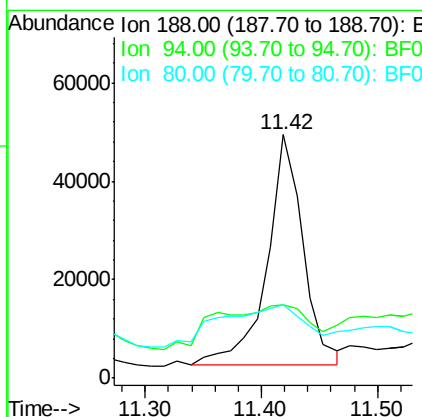
RT: 11.42 min Scan# 799

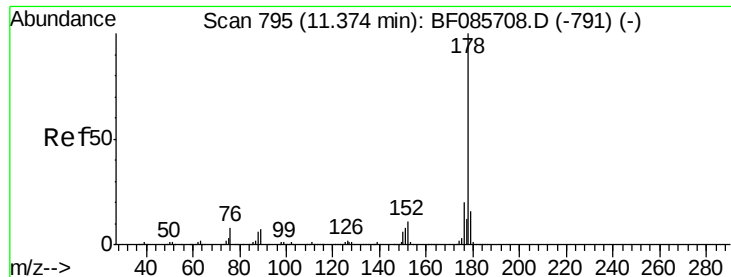
Delta R.T. 0.07 min

Lab File: BF085841.D

Acq: 29 Mar 2016 9:51

Tgt Ion:	188	Resp:	101522
Ion Ratio	Lower	Upper	
188	100		
94	30.4	5.4	8.0#
80	30.2	5.5	8.3#





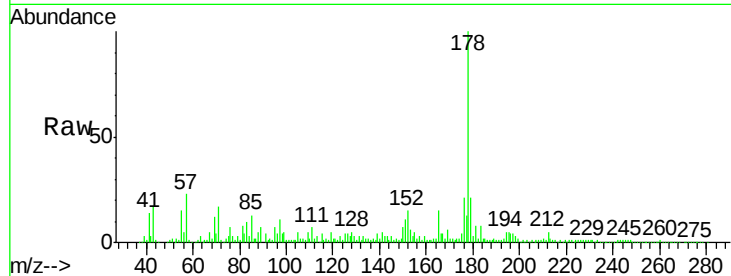
#70
Phenanthrene
Concen: 403.30 ng m
RT: 11.45 min Scan# 802
Delta R.T. 0.08 min
Lab File: BF085841.D
Acq: 29 Mar 2016 9:51

Instrument :
BNA_F
ClientSampleId :
5

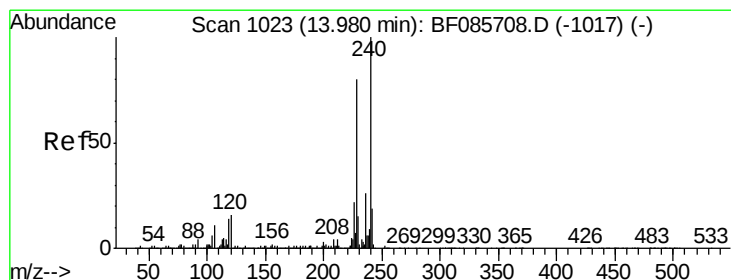
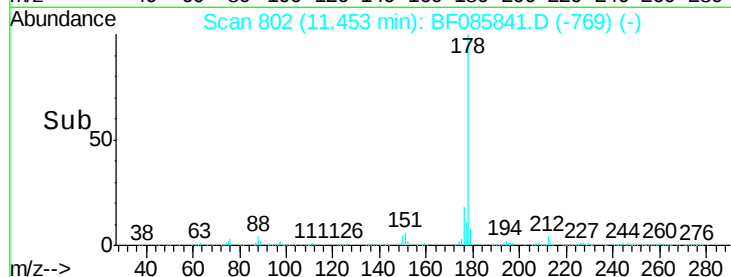
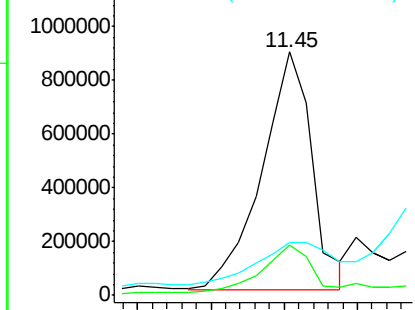
Tgt Ion:178 Resp: 2102315
Ion Ratio Lower Upper
178 100
176 20.7 16.3 24.5
179 21.5 12.6 18.8#

Manual Integrations
APPROVED

Sohil
3/29/2016 5:04:37 PM

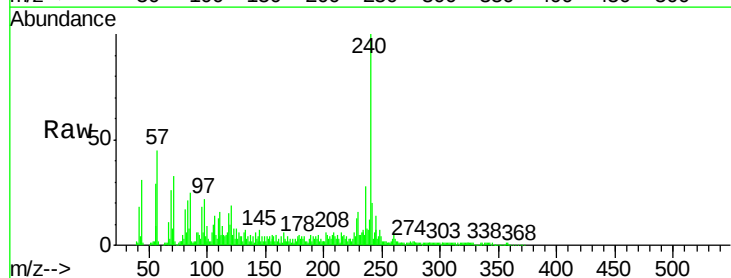


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

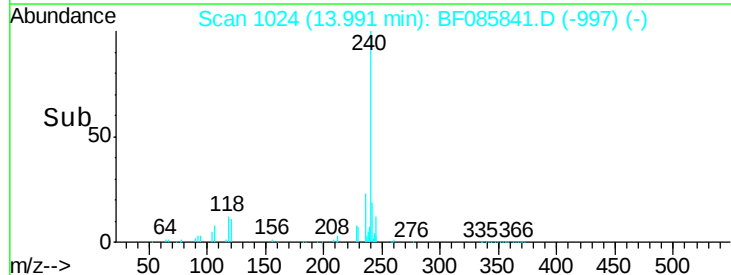
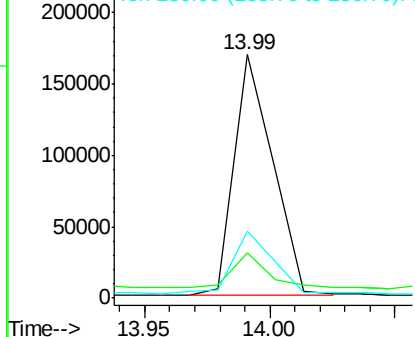


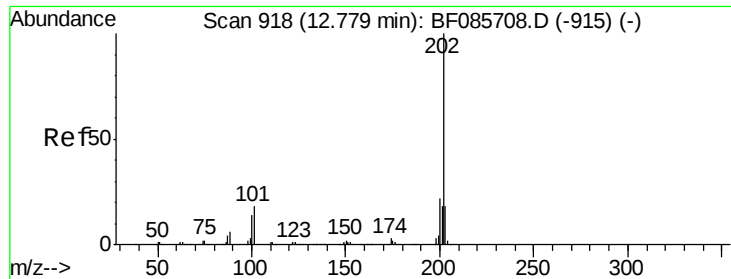
#75
Chrysene-d12
Concen: 20.00 ng m
RT: 13.99 min Scan# 1024
Delta R.T. 0.01 min
Lab File: BF085841.D
Acq: 29 Mar 2016 9:51

Tgt Ion:240 Resp: 181115
Ion Ratio Lower Upper
240 100
120 18.7 13.8 20.8
236 27.5 20.6 30.8



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

Pyrene

Concen: 20.18 ng m

RT: 12.85 min Scan# 924

Delta R.T. 0.07 min

Lab File: BF085841.D

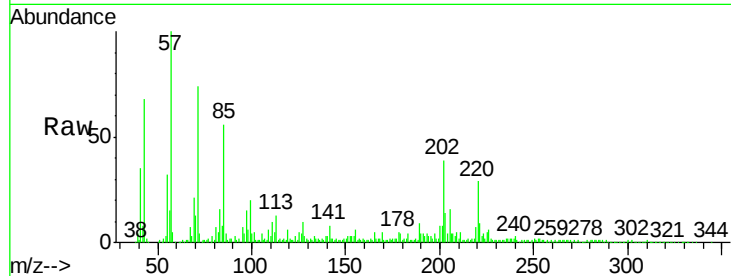
Acq: 29 Mar 2016 9:51

Instrument :

BNA_F

ClientSampled :

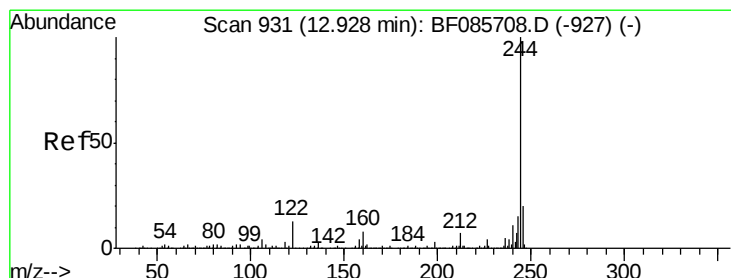
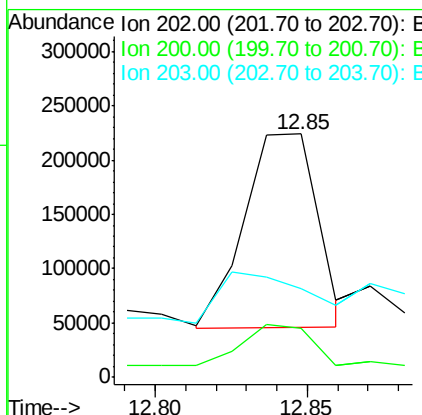
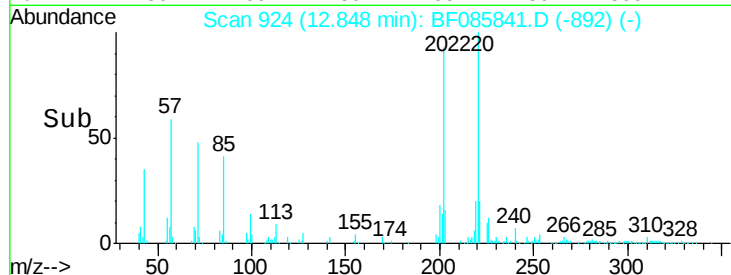
5



Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.3	17.6	26.4	
203	36.2	14.0	21.0	

Manual Integrations
APPROVED

Sohil
3/29/2016 5:04:37 PM



#78

Terphenyl-d14

Concen: 43.42 ng m

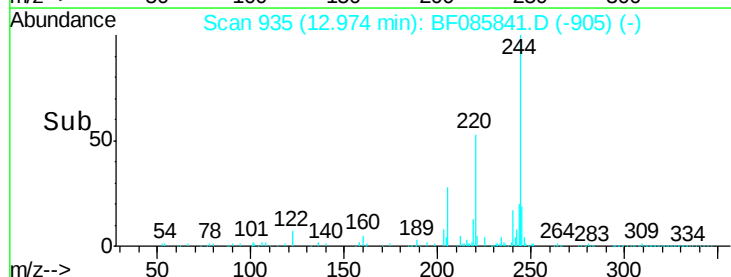
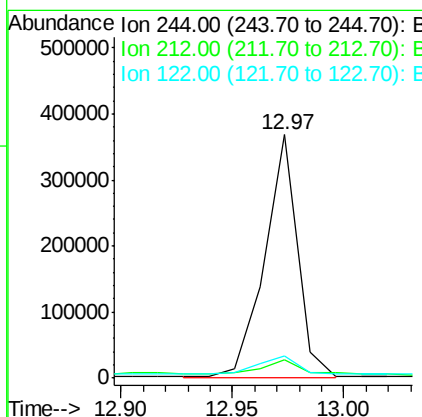
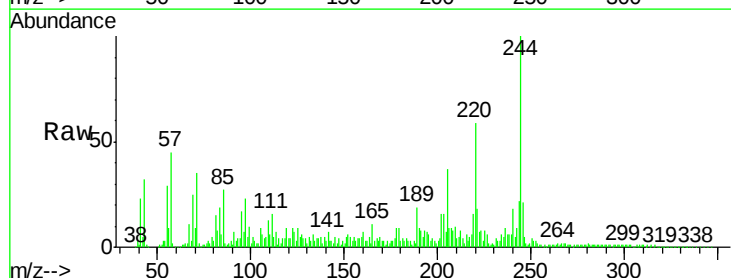
RT: 12.97 min Scan# 935

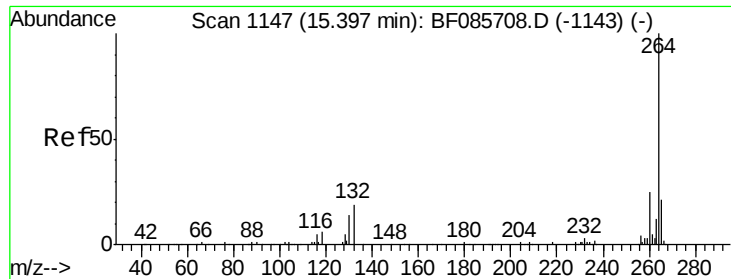
Delta R.T. 0.05 min

Lab File: BF085841.D

Acq: 29 Mar 2016 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.6	6.1	9.1	
122	8.9	10.2	15.4	





#86
Perylene-d12
Concen: 20.00 ng m
RT: 15.40 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF085841.D
Acq: 29 Mar 2016 9:51

Instrument :
BNA_F
ClientSampleId :
5

Tgt	Ion	Ratio	Resp	Lower	Upper
264	100		203114		
260	24.3	19.4	29.2		
265	21.4	17.2	25.8		

Manual Integrations
APPROVED

Sohil
3/29/2016 5:04:37 PM

