

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092160.D
 Acq On : 10 Jan 2017 1:31
 Operator : UM/SJ
 Sample : I1045-05 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP3

Manual Integrations
 APPROVED

Sohil
 1/10/2017 10:01:50 AM

Quant Time: Jan 10 03:53:56 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	136123	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	505942m	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	288580	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	435969	20.00	ng	0.00
75) Chrysene-d12	13.80	240	204143	20.00	ng	0.01
86) Perylene-d12	15.18	264	153834	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	287534	35.27	ng	0.01
7) Phenol-d6	6.31	99	352090	35.37	ng	0.00
23) Nitrobenzene-d5	7.20	82	157034	17.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	60609	25.38	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	376091	16.27	ng	0.00
78) Terphenyl-d14	12.75	244	238585	28.34	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.33	94	22943	2.02	ng	# 78
31) Naphthalene	7.94	128	53746	2.32	ng	99
37) 2-Methylnaphthalene	8.64	142	59286	2.83	ng	98
51) Acenaphthene	9.72	154	44176	2.71	ng	94
57) Fluorene	10.23	166	41056	2.56	ng	91
70) Phenanthrene	11.18	178	187064	7.91	ng	97
74) Fluoranthene	12.37	202	184531	5.54	ng	97
77) Pyrene	12.60	202	147325	9.84	ng	98
80) Benzo(a)anthracene	13.79	228	47215	4.10	ng	# 87
82) Chrysene	13.82	228	59760	5.17	ng	# 89

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

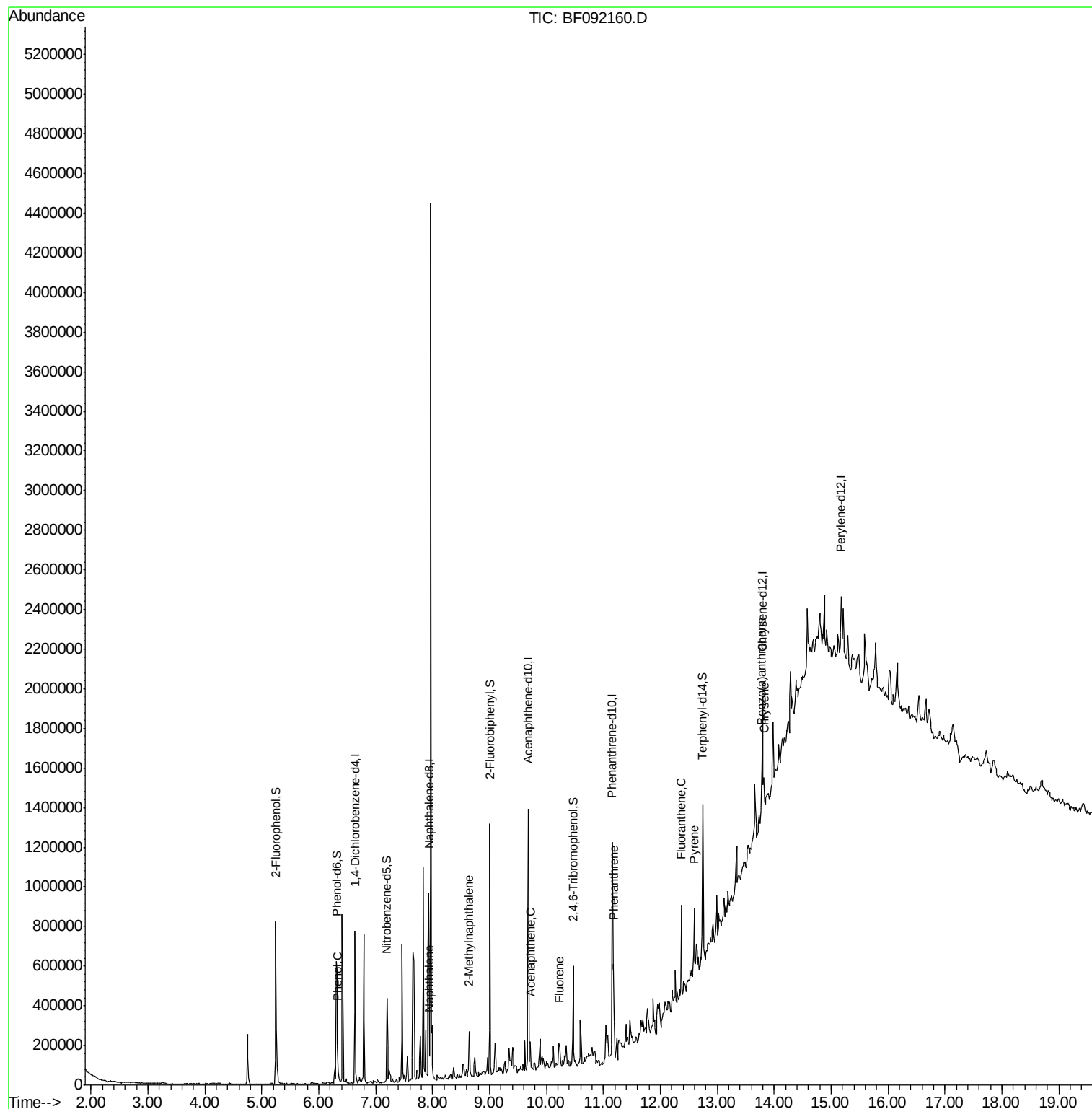
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
Data File : BF092160.D
Acq On : 10 Jan 2017 1:31
Operator : UM/SJ
Sample : I1045-05 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

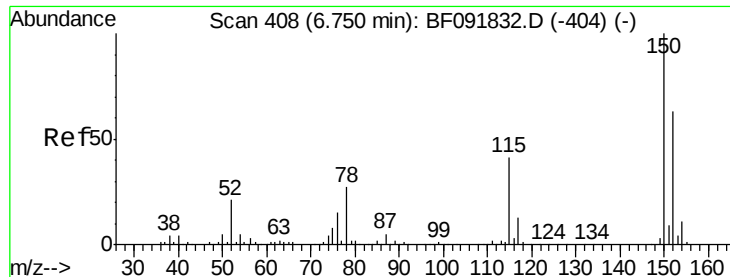
Instrument :
BNA_F
ClientSampleId :
RAP-SP3

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:50 AM

Quant Time: Jan 10 03:53:56 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 06 15:43:51 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

Instrument :

BNA_F

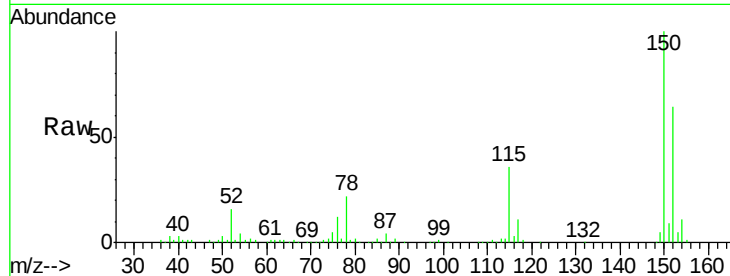
ClientSampled :

RAP-SP3

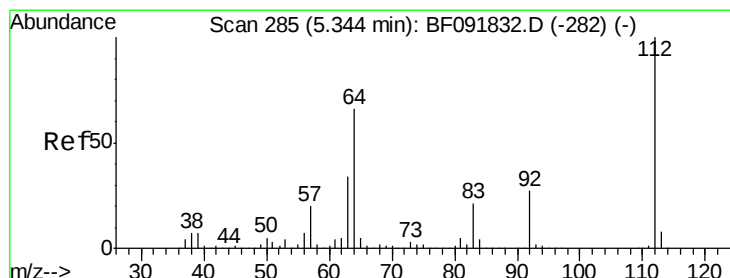
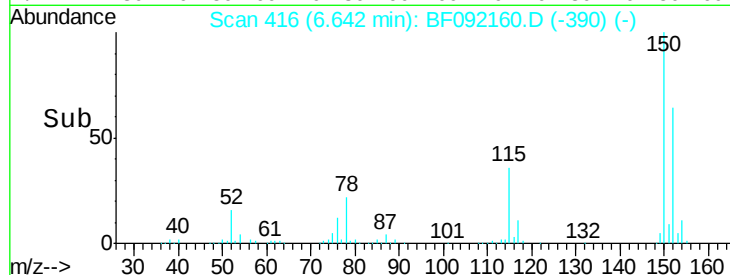
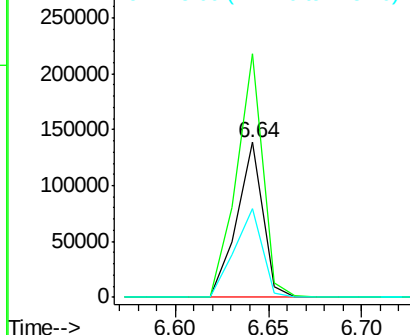
Tgt Ion:	152	Resp:	136123
Ion Ratio	Lower	Upper	
152	100		
150	157.4	124.9	187.3
115	57.1	46.0	69.0

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:50 AM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 35.27 ng

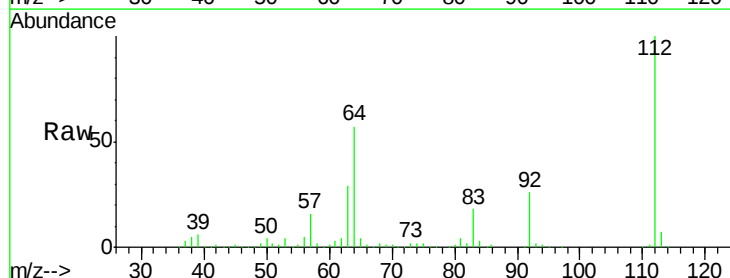
RT: 5.25 min Scan# 294

Delta R.T. 0.01 min

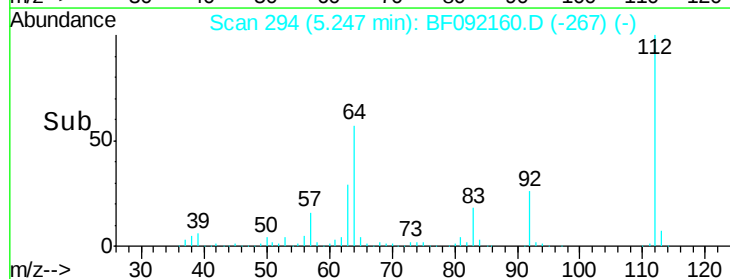
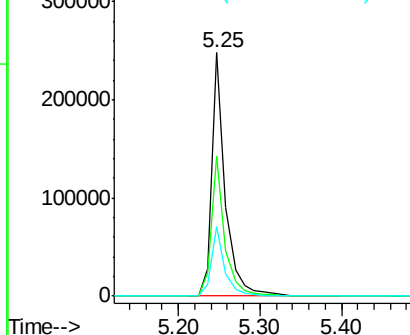
Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

Tgt Ion:	112	Resp:	287534
Ion Ratio	Lower	Upper	
112	100		
64	57.4	46.1	69.1
63	28.5	23.8	35.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.37 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

Instrument :

BNA_F

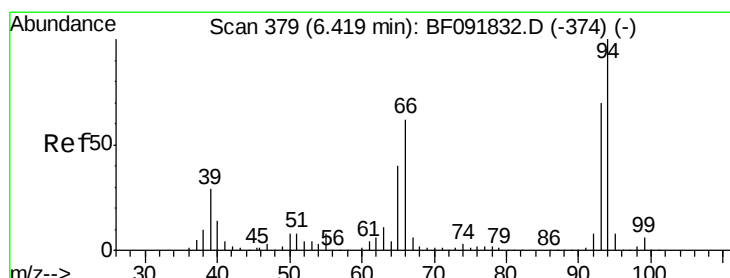
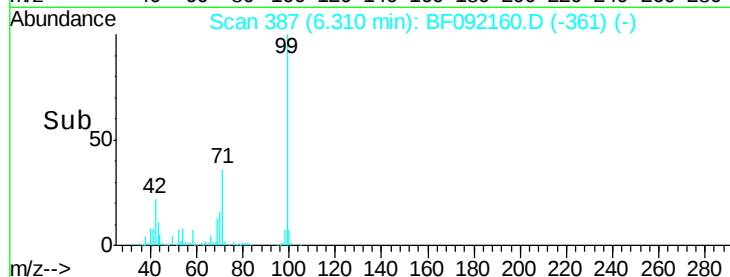
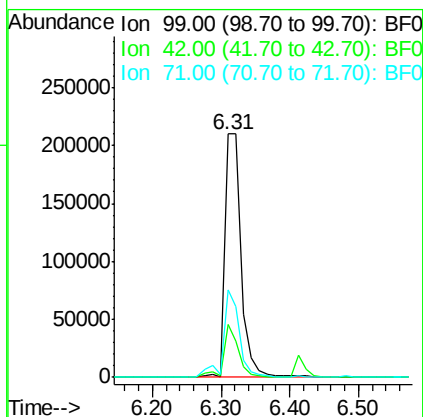
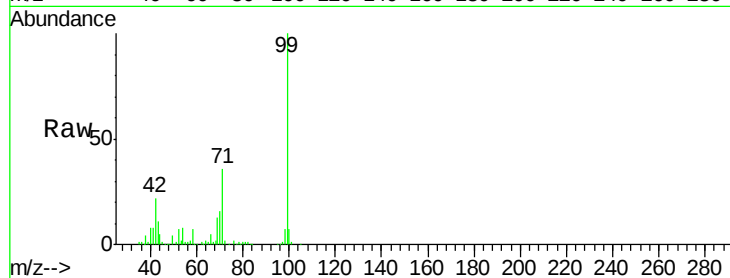
ClientSampled :

RAP-SP3

Tgt Ion:	99	Resp:	352090
Ion Ratio	Lower	Upper	
99	100		
42	21.8	15.6	23.4
71	36.0	27.5	41.3

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:50 AM



#10

Phenol

Concen: 2.02 ng

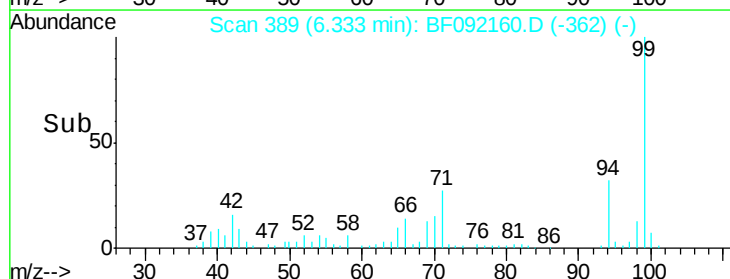
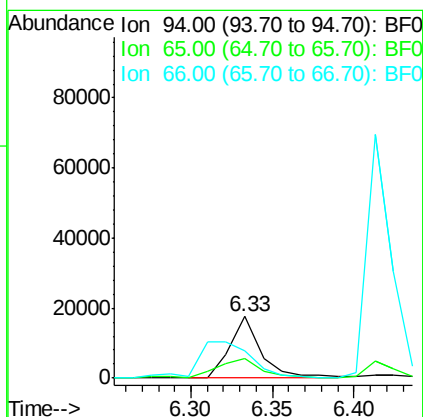
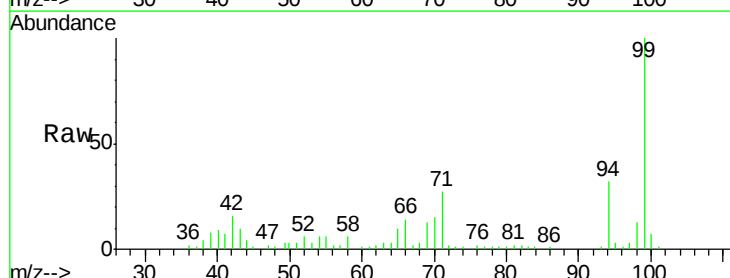
RT: 6.33 min Scan# 389

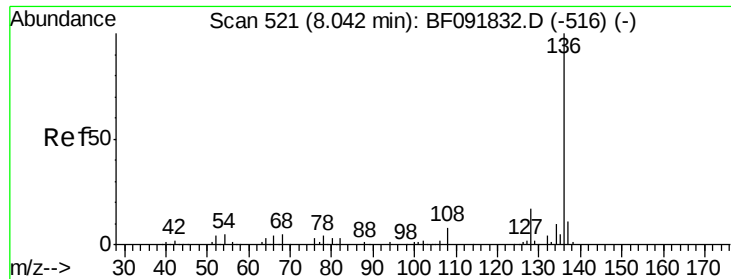
Delta R.T. 0.01 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

Tgt Ion:	94	Resp:	22943
Ion Ratio	Lower	Upper	
94	100		
65	31.3	21.4	61.4
66	43.8	44.0	84.0#





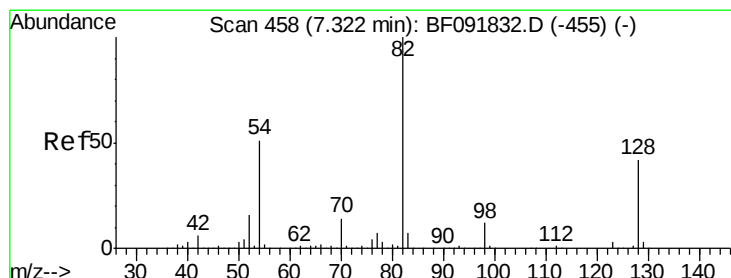
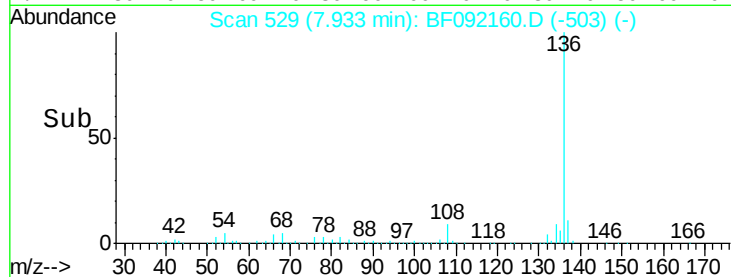
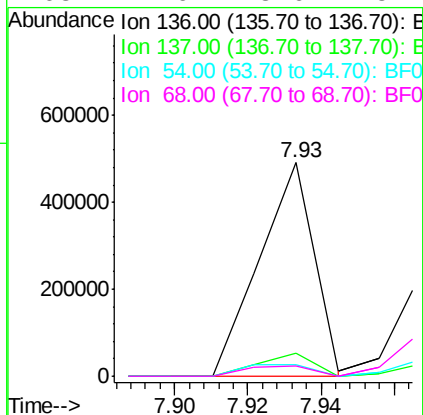
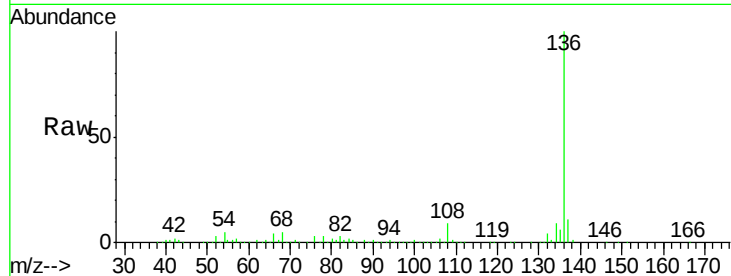
#21
Naphthalene-d8
Concen: 20.00 ng m
RT: 7.93 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF092160.D
Acq: 10 Jan 2017 1:31

Instrument :
BNA_F
ClientSampleId :
RAP-SP3

Tgt Ion:	136	Resp:	505942
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.4	12.6
54	5.4	4.5	6.7
68	4.6	3.6	5.4

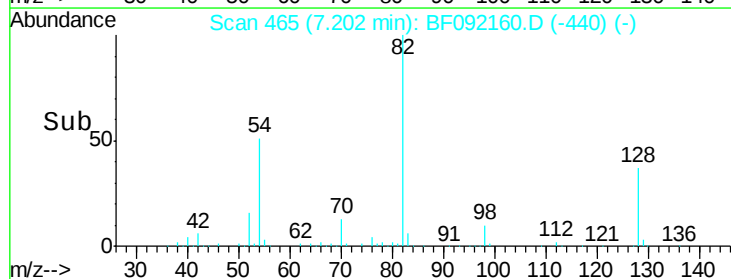
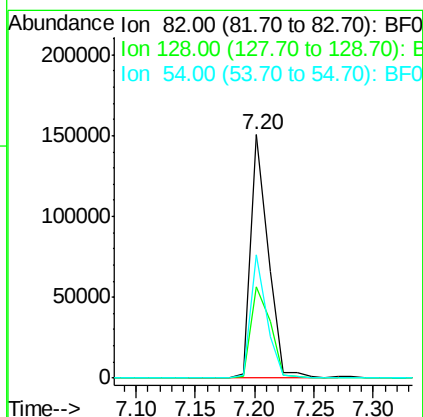
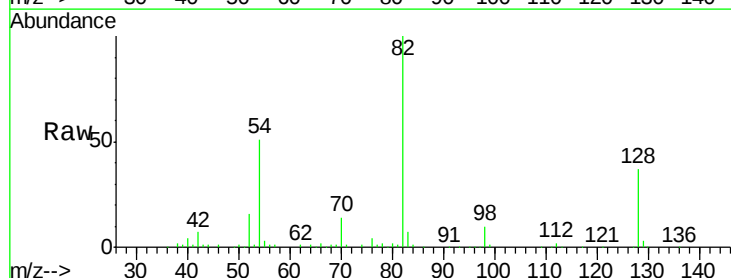
Manual Integrations
APPROVED

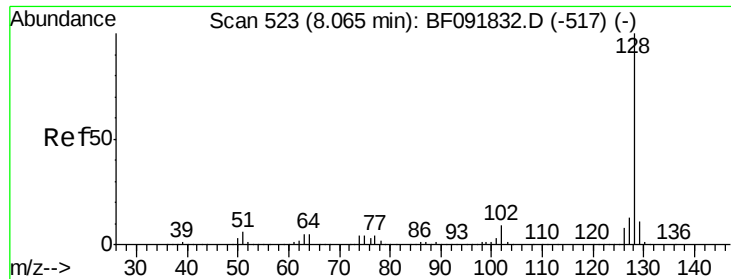
Sohil
1/10/2017 10:01:50 AM



#23
Nitrobenzene-d5
Concen: 17.26 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF092160.D
Acq: 10 Jan 2017 1:31

Tgt Ion:	82	Resp:	157034
Ion Ratio	Lower	Upper	
82	100		
128	37.3	34.6	52.0
54	50.5	39.5	59.3





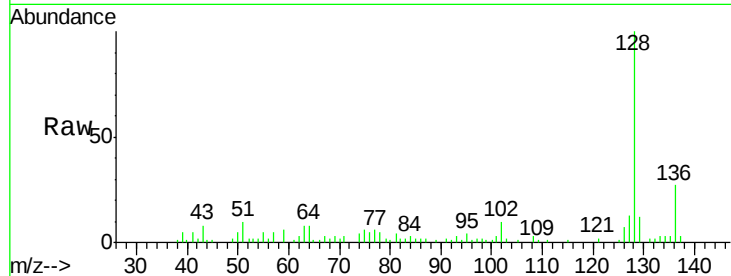
#31
Naphthalene
Concen: 2.32 ng
RT: 7.94 min Scan# 530
Delta R.T. -0.01 min
Lab File: BF092160.D
Acq: 10 Jan 2017 1:31

Instrument :
BNA_F
ClientSampled :
RAP-SP3

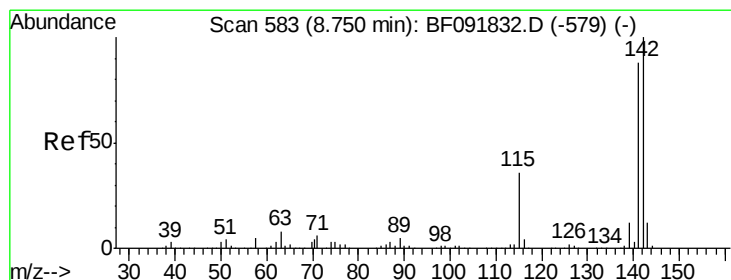
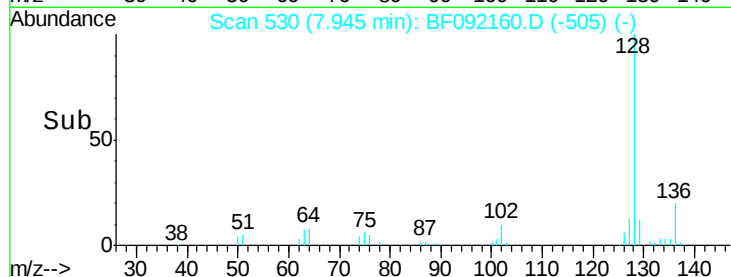
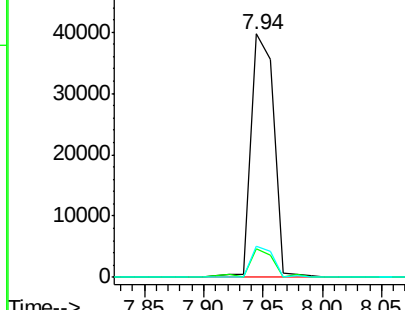
Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	12.0	9.5	14.3
127	13.0	10.8	16.2

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:50 AM



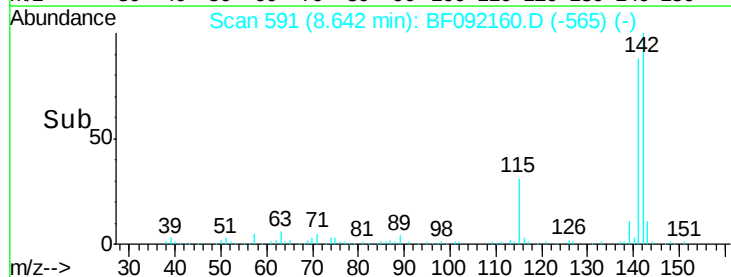
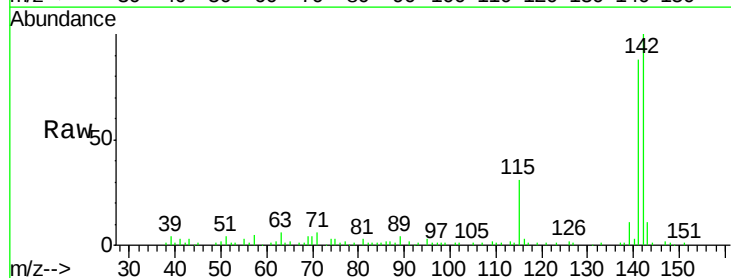
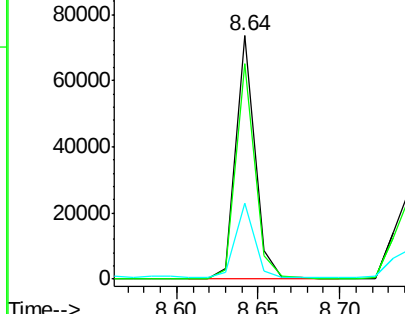
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

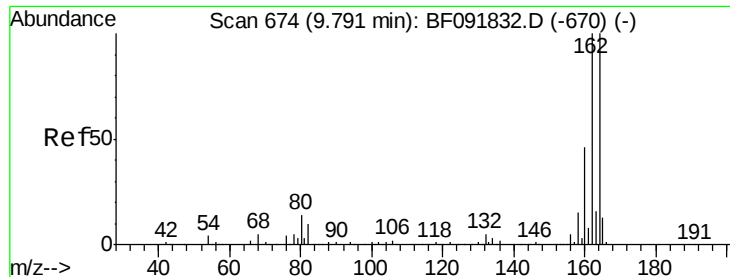


#37
2-Methylnaphthalene
Concen: 2.83 ng
RT: 8.64 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF092160.D
Acq: 10 Jan 2017 1:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	88.4	71.0	106.6
115	31.4	28.3	42.5

Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





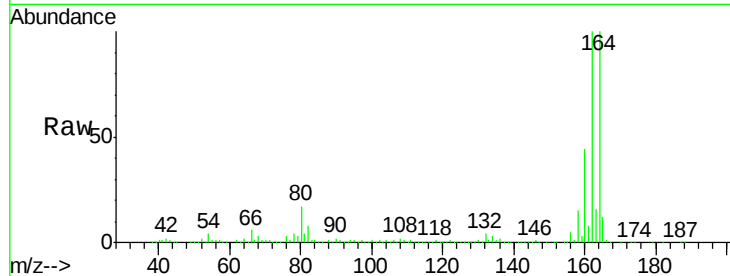
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.68 min Scan# 682
Delta R.T. 0.00 min
Lab File: BF092160.D
Acq: 10 Jan 2017 1:31

Instrument :
BNA_F
ClientSampleId :
RAP-SP3

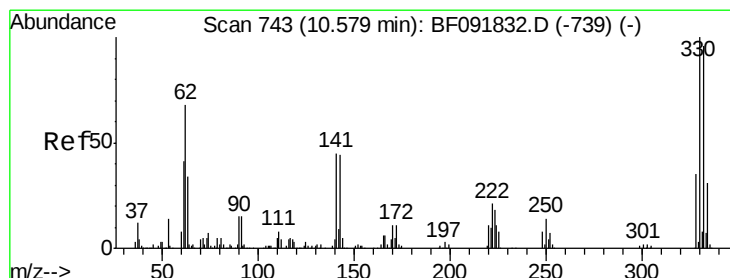
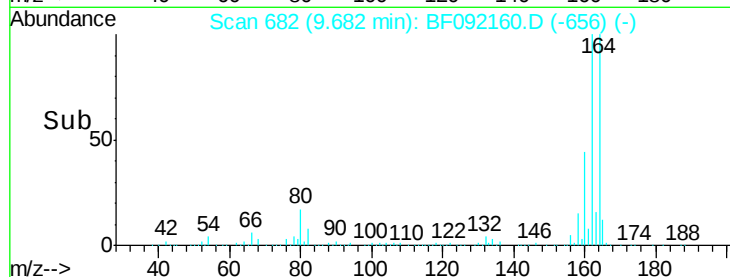
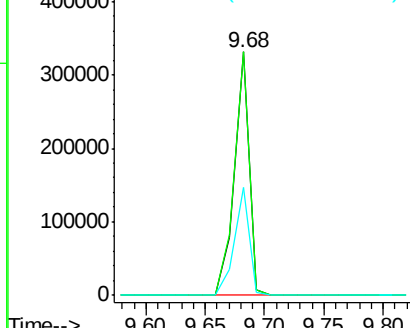
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	288580		
162	100.1	80.2	120.2	
160	44.3	36.9	55.3	

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:50 AM

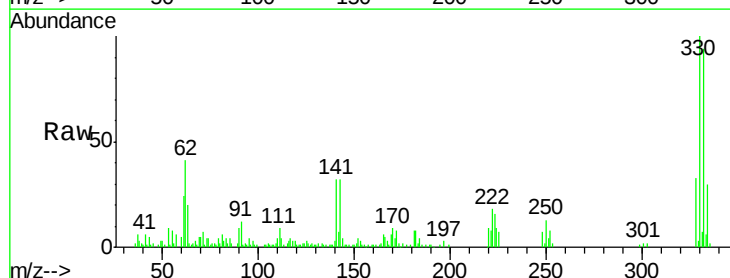


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

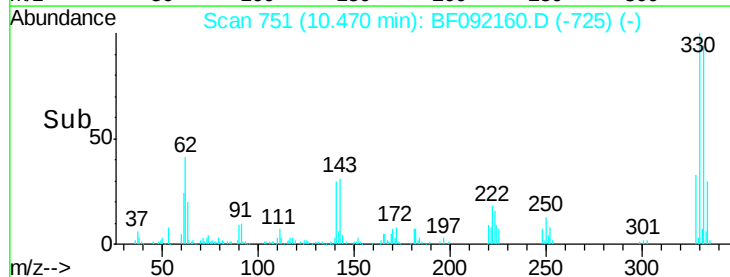
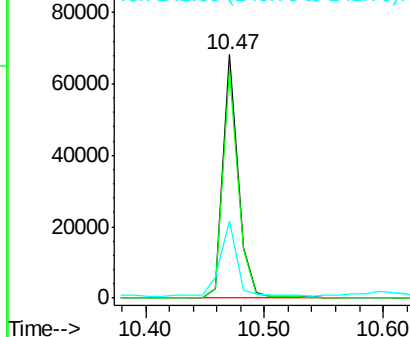


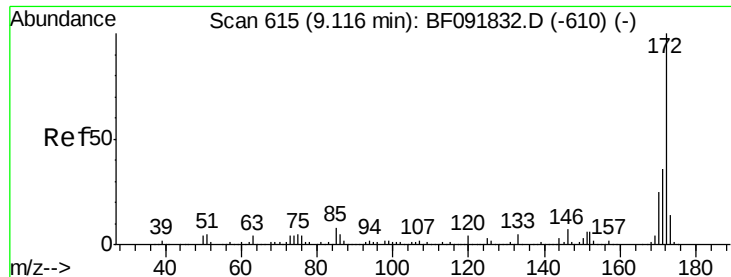
#41
2,4,6-Tribromophenol
Concen: 25.38 ng
RT: 10.47 min Scan# 751
Delta R.T. 0.00 min
Lab File: BF092160.D
Acq: 10 Jan 2017 1:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	60609		
332	93.9	77.4	116.2	
141	34.0	34.1	51.1#	



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





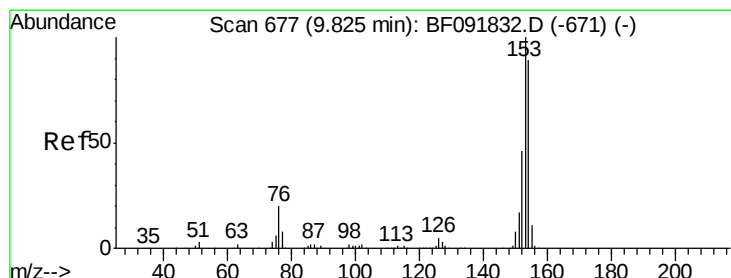
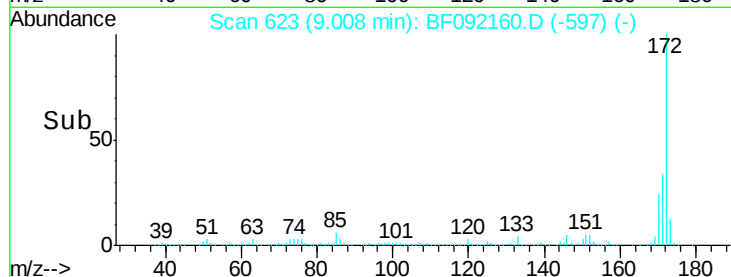
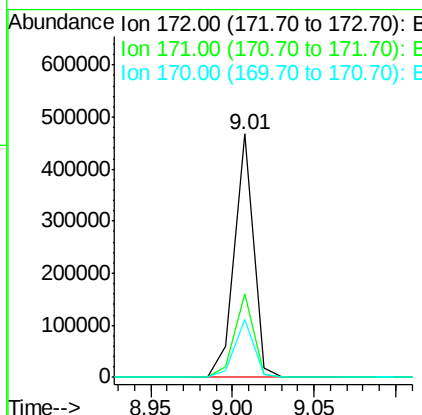
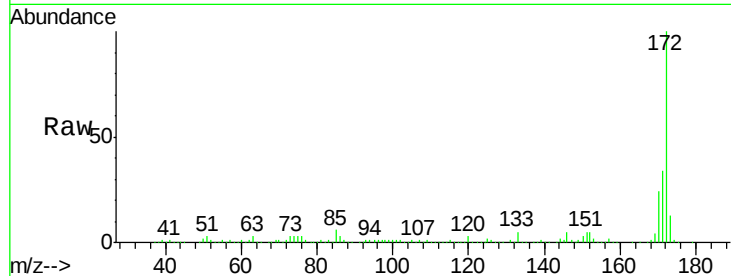
#44
 2-Fluorobiphenyl
 Concen: 16.27 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092160.D
 Acq: 10 Jan 2017 1:31

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP3

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	376091		
171	34.1	29.4	44.0	
170	23.6	20.2	30.4	

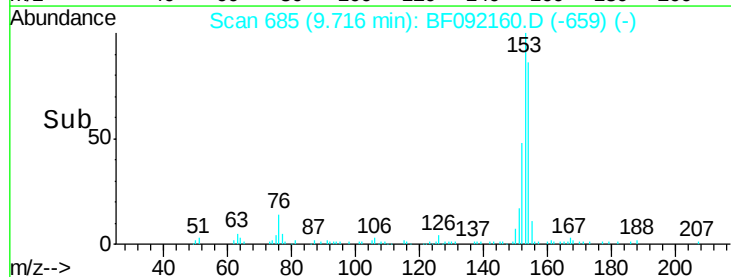
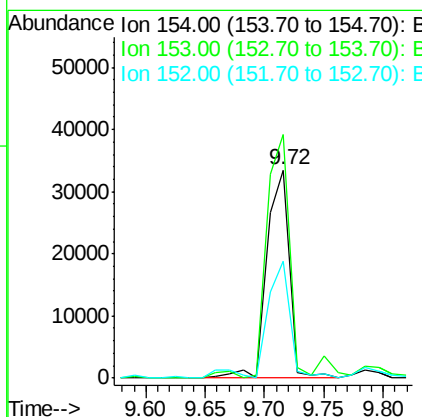
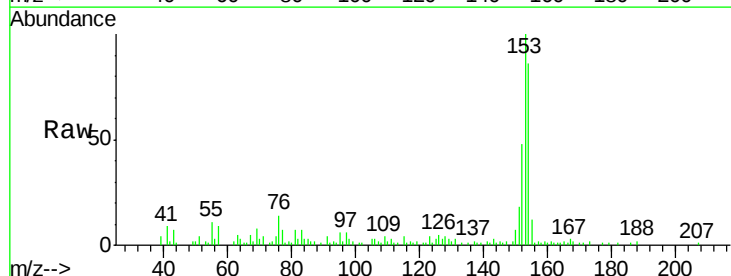
Manual Integrations
 APPROVED

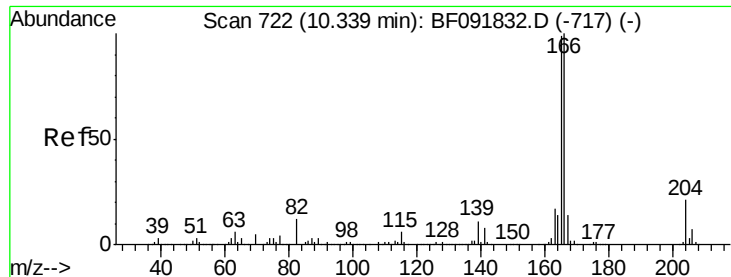
Sohil
 1/10/2017 10:01:50 AM



#51
 Acenaphthene
 Concen: 2.71 ng
 RT: 9.72 min Scan# 685
 Delta R.T. 0.00 min
 Lab File: BF092160.D
 Acq: 10 Jan 2017 1:31

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	44176		
153	116.9	88.6	133.0	
152	56.1	41.6	62.4	





#57

Fluorene

Concen: 2.56 ng

RT: 10.23 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

Instrument :

BNA_F

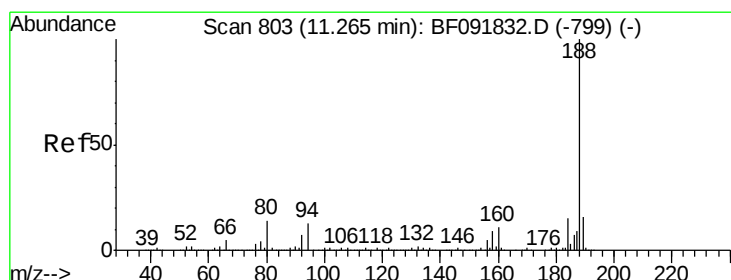
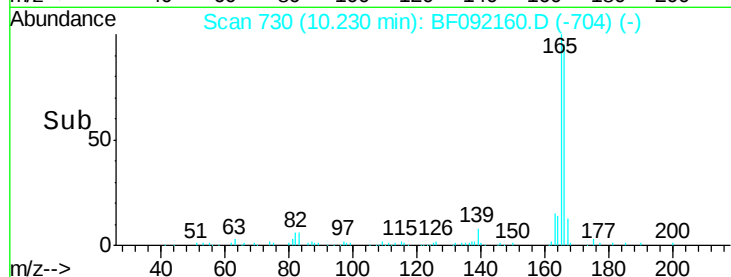
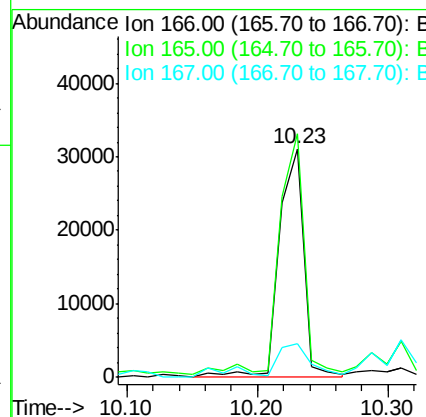
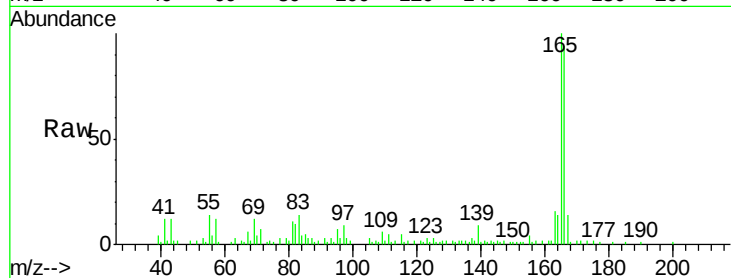
ClientSampleId :

RAP-SP3

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	41056		
165	106.5	77.8	116.8	
167	14.8	10.8	16.2	

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:50 AM



#63

Phenanthrene-d10

Concen: 20.00 ng

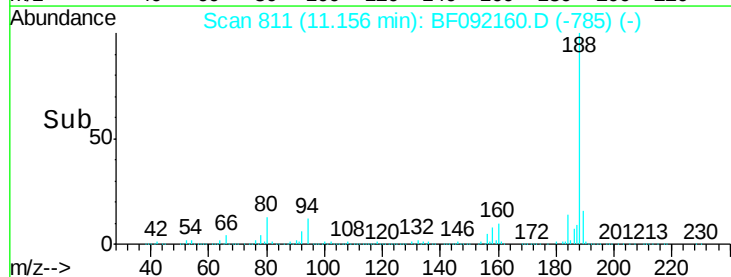
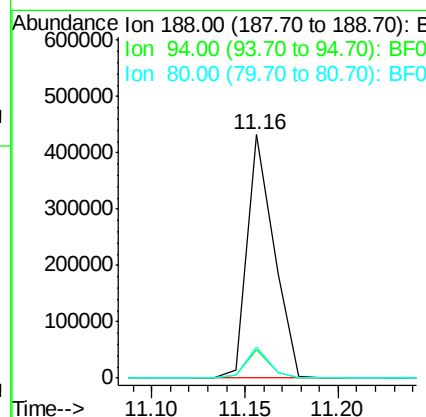
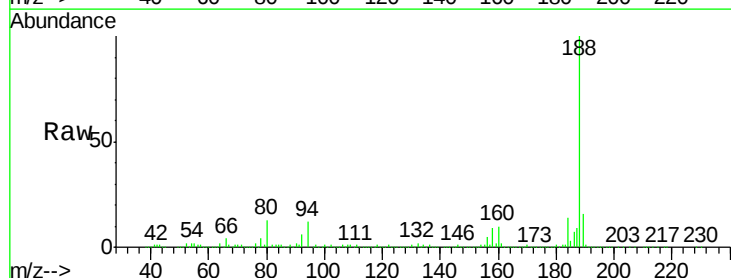
RT: 11.16 min Scan# 811

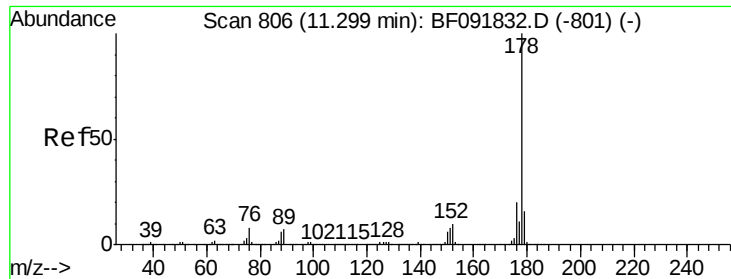
Delta R.T. 0.00 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	435969		
94	11.8	10.0	15.0	
80	12.8	11.2	16.8	





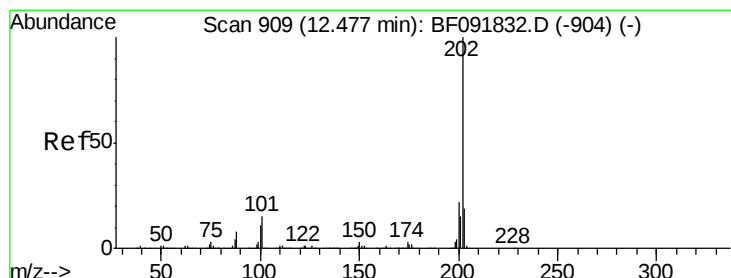
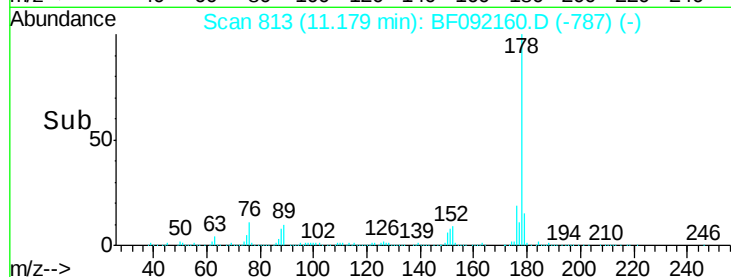
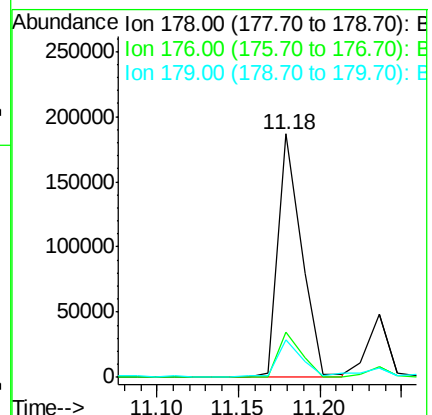
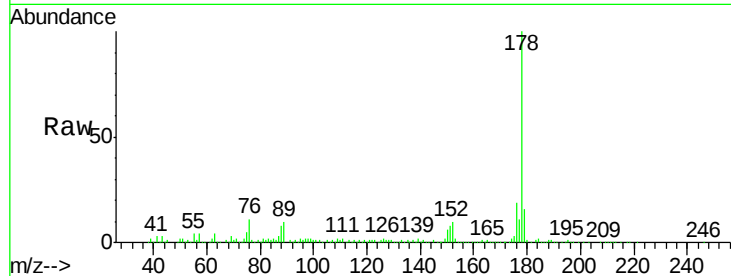
#70
Phenanthrene
Concen: 7.91 ng
RT: 11.18 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF092160.D
Acq: 10 Jan 2017 1:31

Instrument :
BNA_F
ClientSampled :
RAP-SP3

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.6	25.0
179	15.6	12.8	19.2

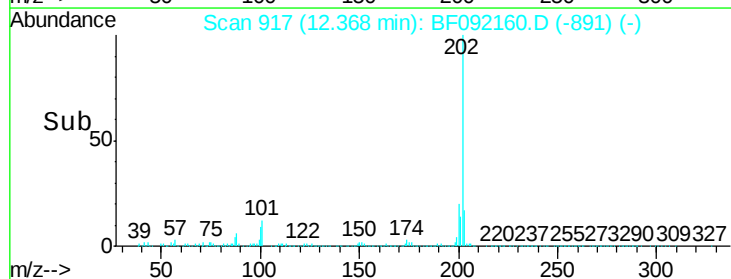
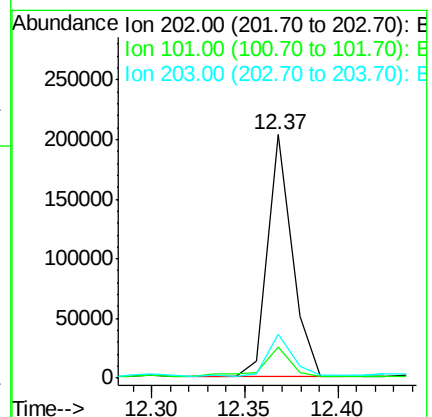
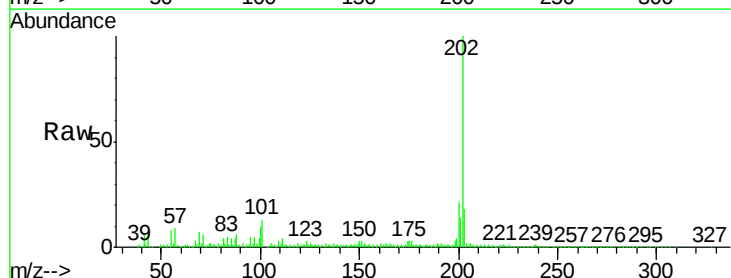
Manual Integrations
APPROVED

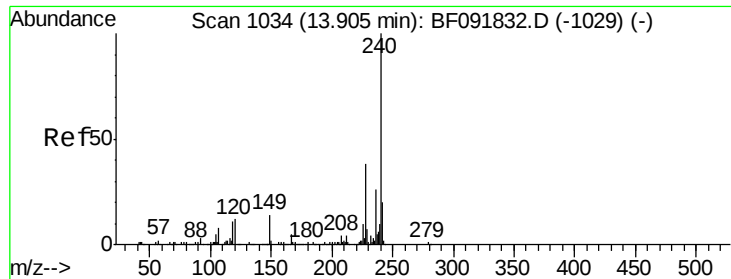
Sohil
1/10/2017 10:01:50 AM



#74
Fluoranthene
Concen: 5.54 ng
RT: 12.37 min Scan# 917
Delta R.T. 0.00 min
Lab File: BF092160.D
Acq: 10 Jan 2017 1:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.6
203	17.9	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

Instrument :

BNA_F

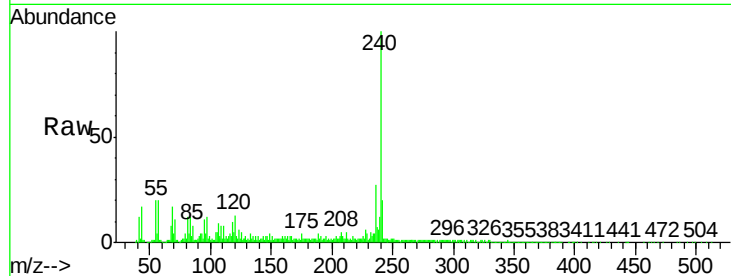
ClientSampleId :

RAP-SP3

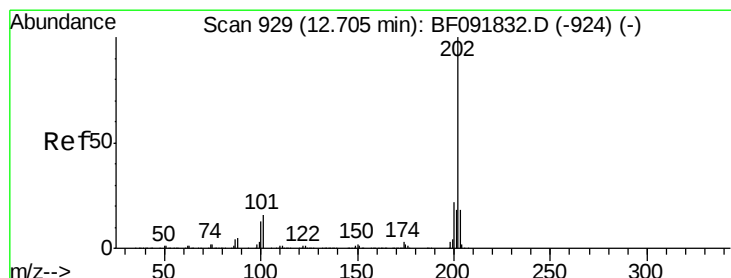
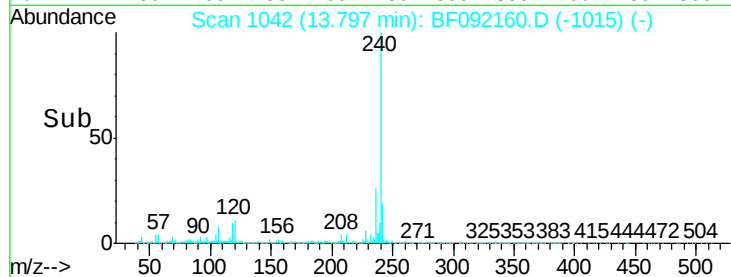
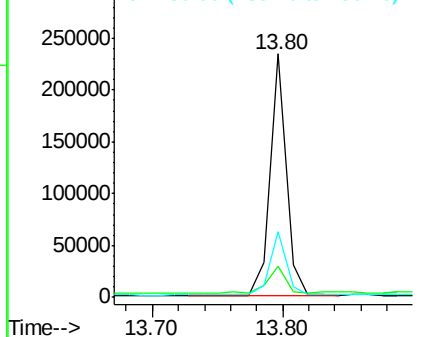
Tgt	Ion	240	Resp:	204143
Ion	Ratio	Lower	Upper	
240	100			
120	12.5	12.9	19.3#	
236	26.8	20.9	31.3	

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:50 AM



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: 9.84 ng

RT: 12.60 min Scan# 937

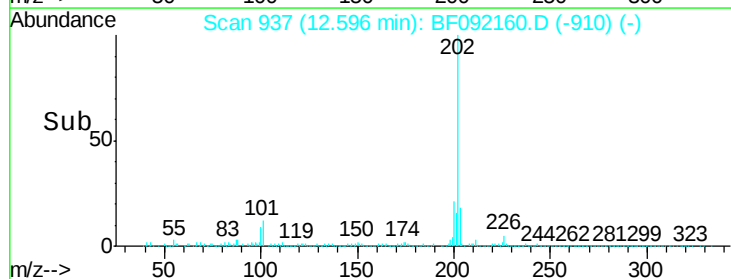
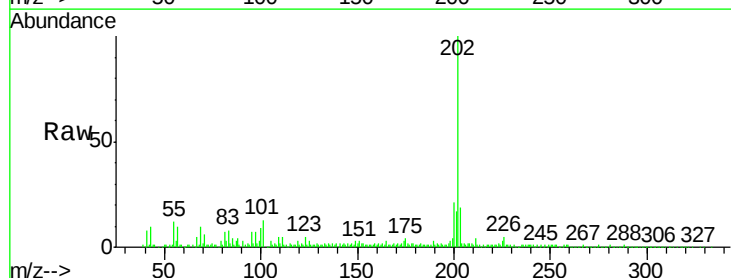
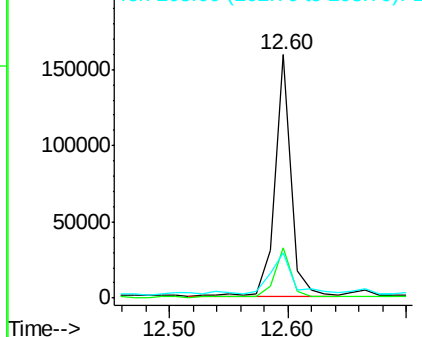
Delta R.T. 0.01 min

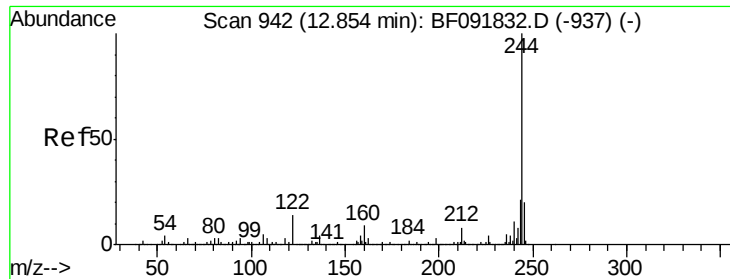
Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

Tgt	Ion	202	Resp:	147325
Ion	Ratio	Lower	Upper	
202	100			
200	20.8	17.7	26.5	
203	18.7	14.7	22.1	

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





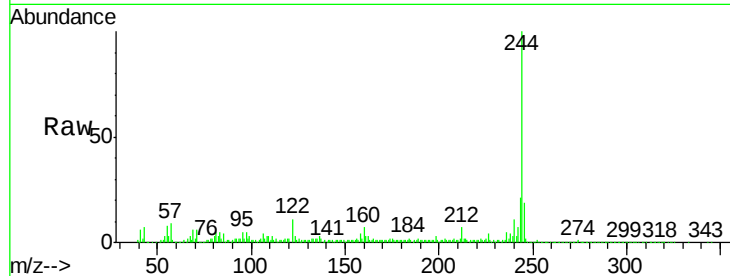
#78
 Terphenyl-d14
 Concen: 28.34 ng
 RT: 12.75 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BF092160.D
 Acq: 10 Jan 2017 1:31

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP3

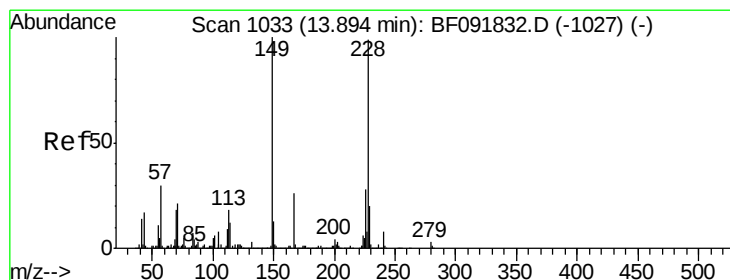
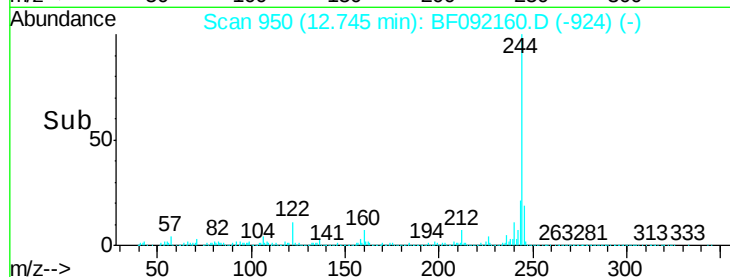
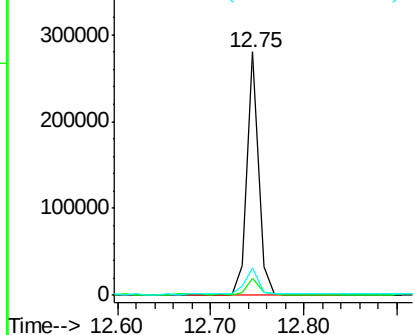
Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.0	6.2	9.2
122	11.4	11.4	17.2#

Manual Integrations
 APPROVED

Sohil
 1/10/2017 10:01:50 AM



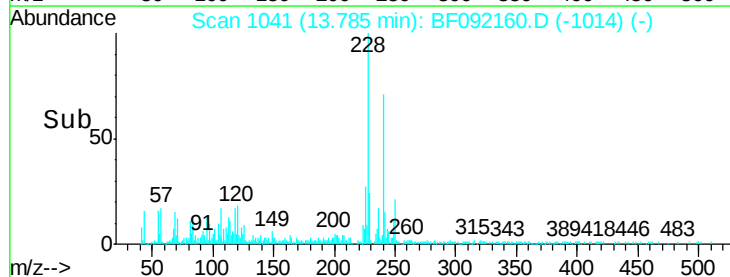
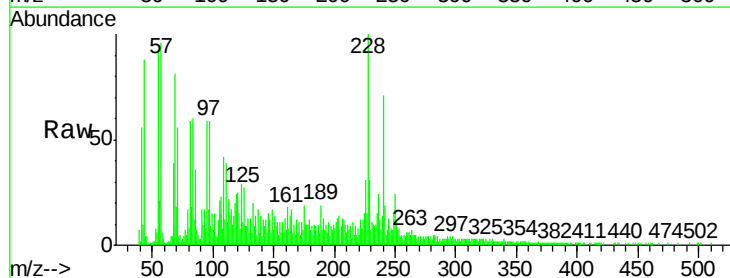
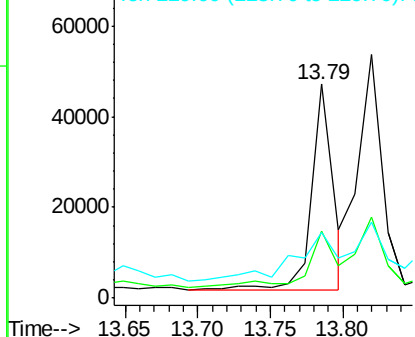
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

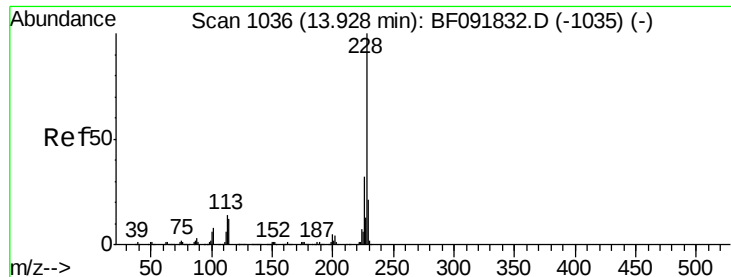


#80
 Benzo(a)anthracene
 Concen: 4.10 ng
 RT: 13.79 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: BF092160.D
 Acq: 10 Jan 2017 1:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.5	22.4	33.6
229	30.5	16.2	24.4#

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.17 ng

RT: 13.82 min Scan# 1044

Delta R.T. 0.01 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

Instrument :

BNA_F

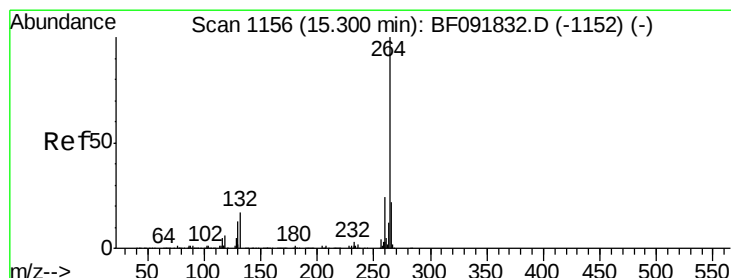
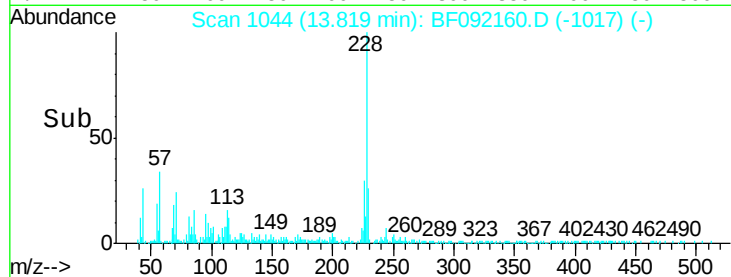
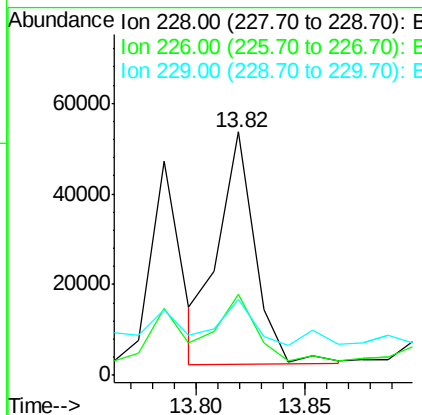
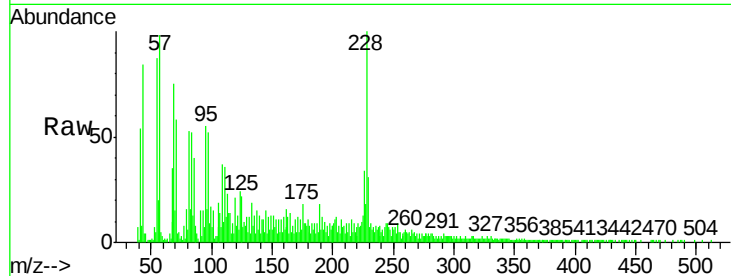
ClientSampleId :

RAP-SP3

Tgt Ion:	228	Resp:	59760
Ion Ratio	Lower	Upper	
228	100		
226	33.5	25.4	38.0
229	31.3	16.2	24.2

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:50 AM



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.18 min Scan# 1163

Delta R.T. 0.03 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

Tgt Ion:	264	Resp:	153834
Ion Ratio	Lower	Upper	
264	100		
260	25.4	19.2	28.8
265	25.8	17.4	26.0

