

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072116\
 Data File : BF089173.D
 Acq On : 21 Jul 2016 11:44
 Operator : UM/SJ
 Sample : H4112-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KSB-02-6.0-8.0

Manual Integrations

umangi
 7/22/2016 6:22:53 PM

Quant Time: Jul 21 18:52:44 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	52000	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	222978	20.00	ng	0.00
38) Acenaphthene-d10	9.62	164	94028	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	173854	20.00	ng	-0.01
75) Chrysene-d12	13.73	240	116122	20.00	ng	0.00
86) Perylene-d12	15.06	264	102177	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	372167	108.85	ng	0.00
7) Phenol-d6	6.26	99	521570	118.29	ng	-0.01
23) Nitrobenzene-d5	7.16	82	311121	74.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	76667	90.56	ng	0.00
44) 2-Fluorobiphenyl	8.96	172	470908	69.00	ng	-0.01
78) Terphenyl-d14	12.69	244	362936	67.79	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.36	163	107849	14.95	ng	99
70) Phenanthrene	11.12	178	110995	11.64	ng	99
71) Anthracene	11.18	178	46129	4.65	ng	99
74) Fluoranthene	12.31	202	132412	13.21	ng	93
77) Pyrene	12.53	202	108434	11.31	ng	98
80) Benzo(a)anthracene	13.71	228	54828m	7.41	ng	
82) Chrysene	13.75	228	41164m	5.83	ng	
85) Indeno(1,2,3-cd)pyrene	16.29	276	20459	3.99	ng	92
87) Benzo(b)fluoranthene	14.71	252	50177m	6.78	ng	
88) Benzo(k)fluoranthene	14.72	252	16533m	3.12	ng	
89) Benzo(a)pyrene	15.02	252	35420m	6.17	ng	
91) Benzo(a,h,i)perylene	16.65	276	16399	3.59	ng	94

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

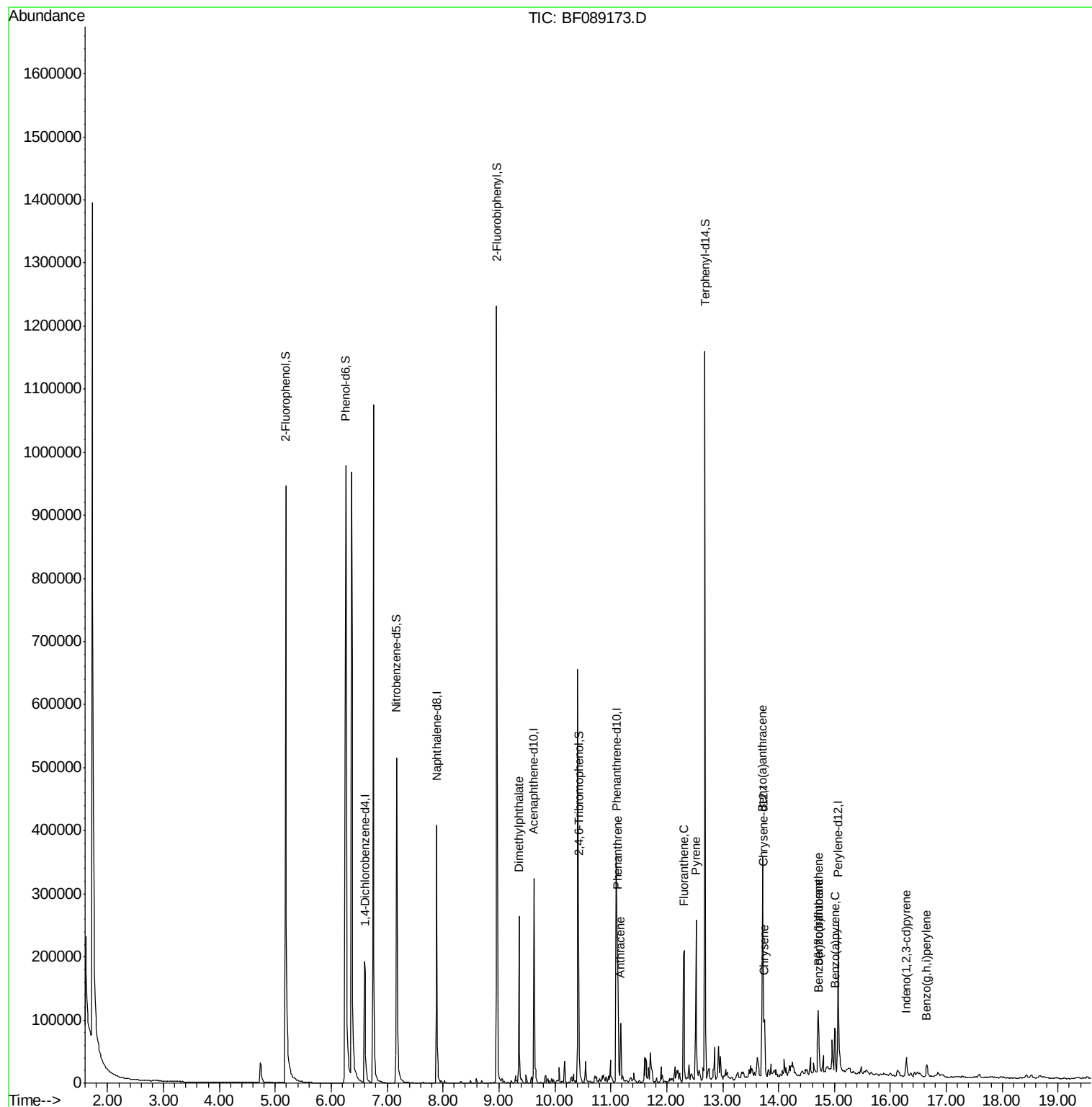
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072116\
Data File : BF089173.D
Acq On : 21 Jul 2016 11:44
Operator : UM/SJ
Sample : H4112-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

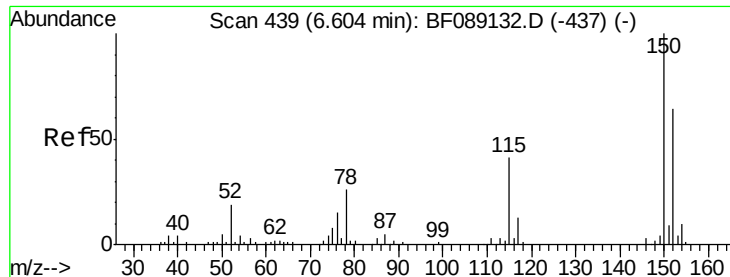
Instrument :
BNA_F
ClientSampleId :
KSB-02-6.0-8.0

Manual Integrations

umangi
7/22/2016 6:22:53 PM

Quant Time: Jul 21 18:52:44 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 19:03:15 2016
Response via : Initial Calibration

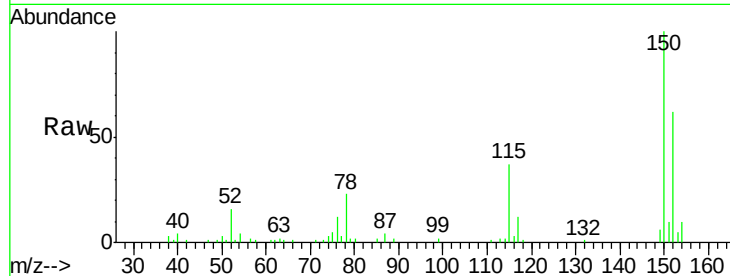




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF089173.D
Acq: 21 Jul 2016 11:44

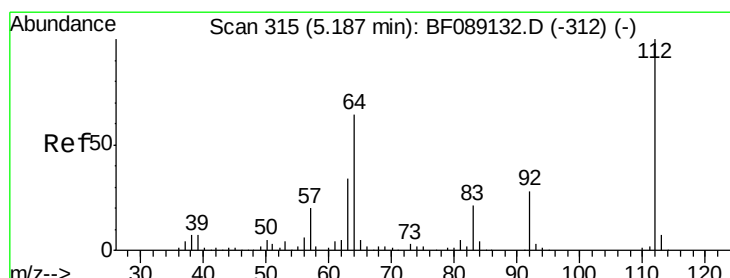
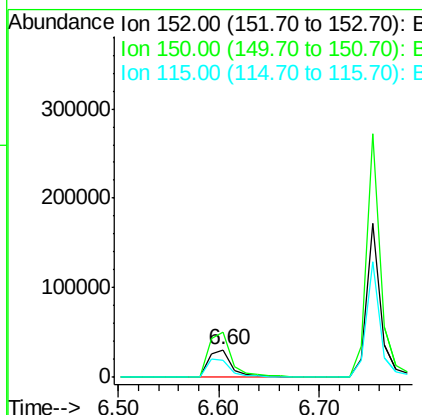
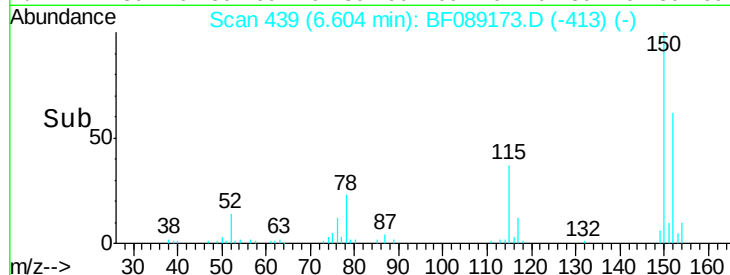
Instrument :
BNA_F
ClientSampleId :
KSB-02-6.0-8.0



Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	125.1	187.7
115	59.6	51.1	76.7

Manual Integrations

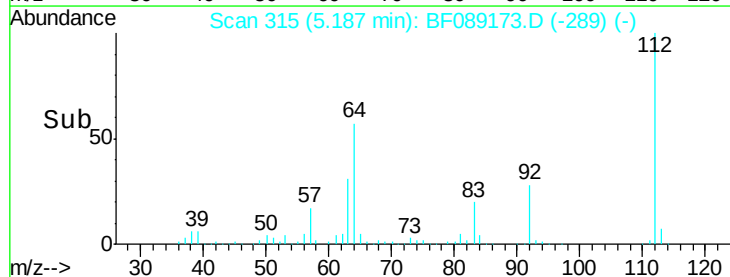
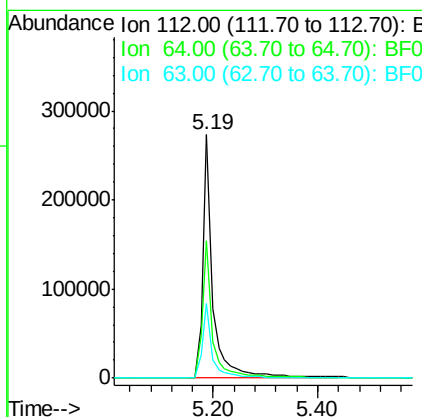
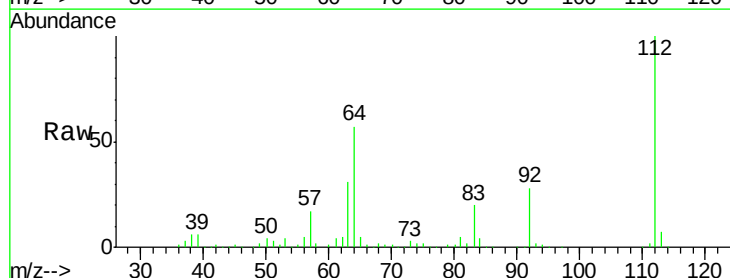
umangi
7/22/2016 6:22:53 PM

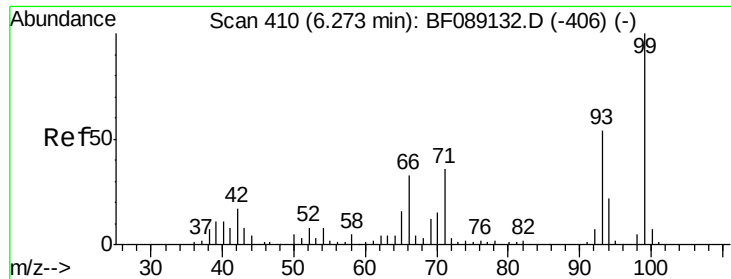


#5

2-Fluorophenol
Concen: 108.85 ng
RT: 5.19 min Scan# 315
Delta R.T. 0.00 min
Lab File: BF089173.D
Acq: 21 Jul 2016 11:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	51.0	76.4
63	30.7	27.3	40.9





#7

Phenol-d6

Concen: 118.29 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF089173.D

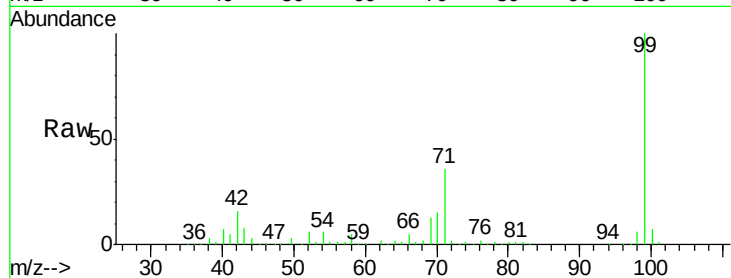
Acq: 21 Jul 2016 11:44

Instrument :

BNA_F

ClientSampleId :

KSB-02-6.0-8.0

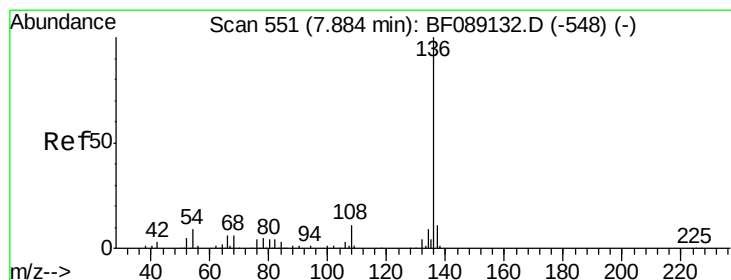
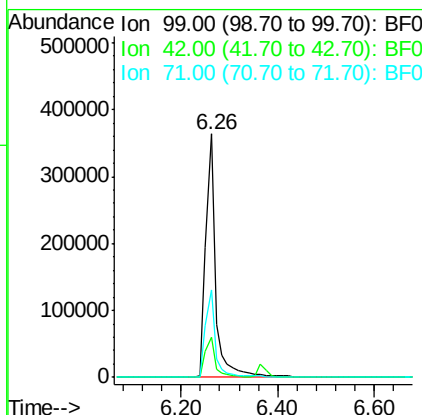
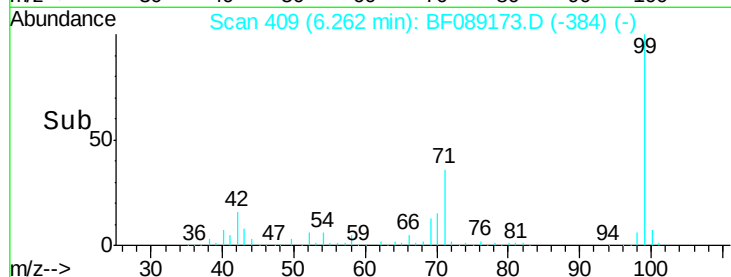


Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		521570		
42	16.4	13.5	20.3		
71	36.0	28.9	43.3		

Manual Integrations

umangi

7/22/2016 6:22:53 PM



#21

Naphthalene-d8

Concen: 20.00 ng

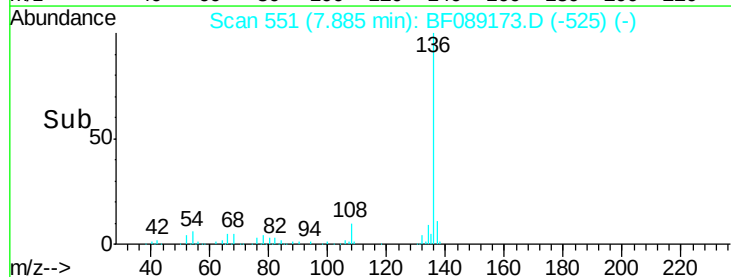
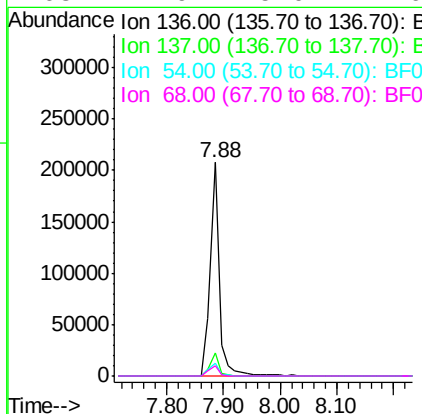
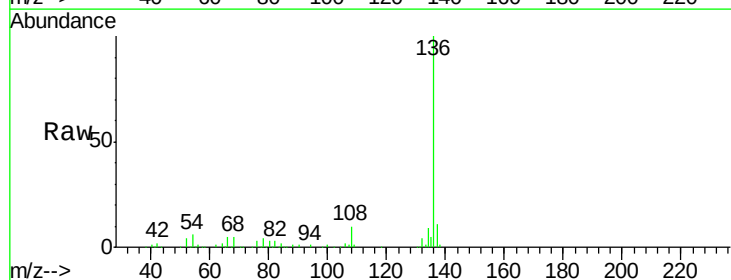
RT: 7.88 min Scan# 551

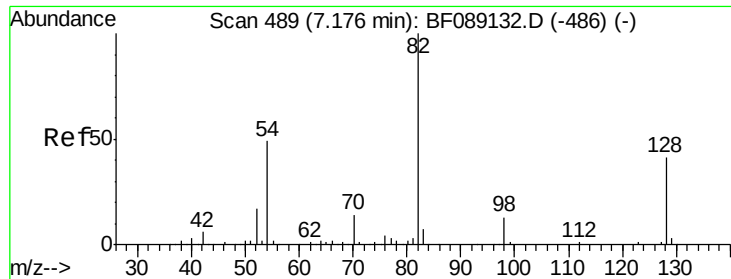
Delta R.T. 0.00 min

Lab File: BF089173.D

Acq: 21 Jul 2016 11:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		222978		
137	10.5	8.8	13.2		
54	6.3	7.0	10.4#		
68	4.9	5.0	7.6#		





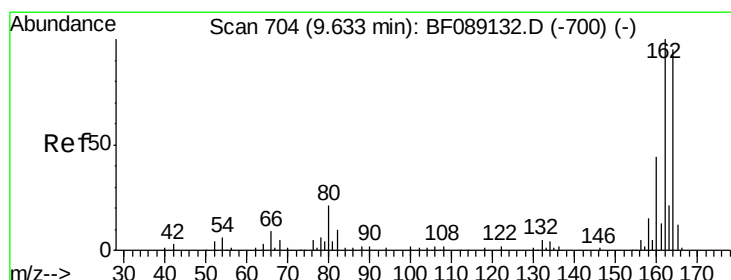
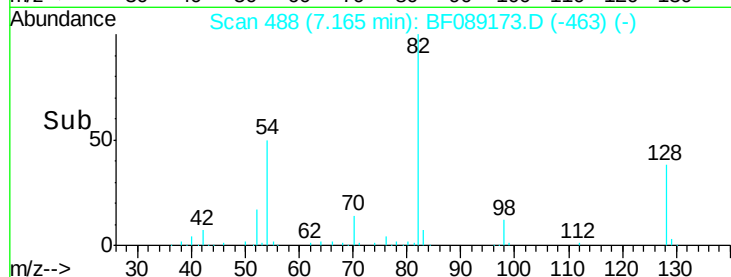
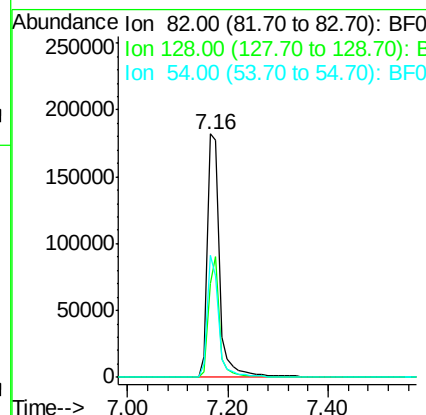
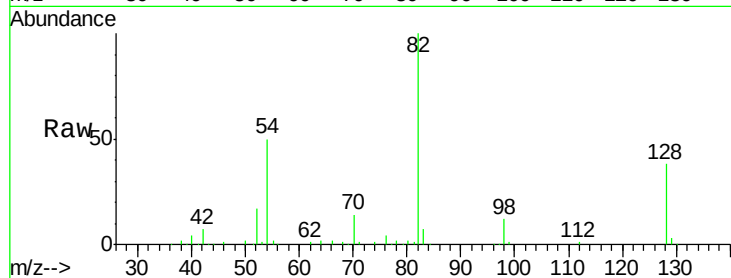
#23
 Nitrobenzene-d5
 Concen: 74.14 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF089173.D
 Acq: 21 Jul 2016 11:44

Instrument :
 BNA_F
 ClientSampleId :
 KSB-02-6.0-8.0

Tot Ion:	82	Resp:	311121
Ion Ratio	Lower	Upper	
82	100		
128	38.3	33.0	49.6
54	50.1	39.0	58.4

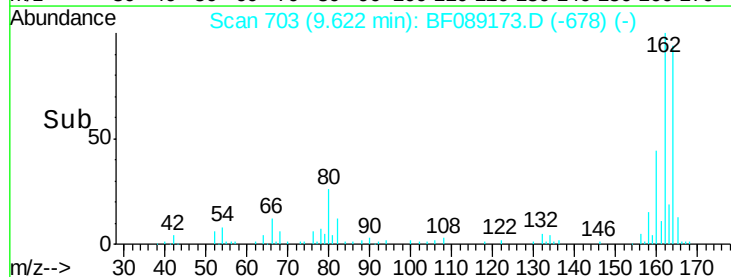
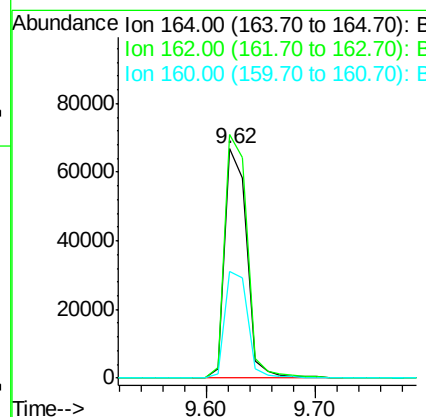
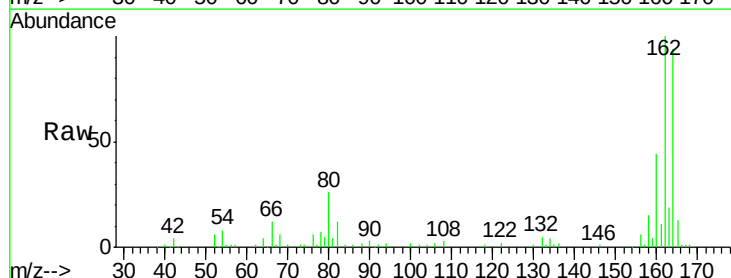
Manual Integrations

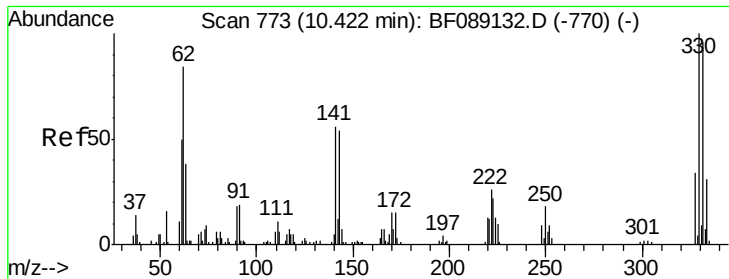
umangi
 7/22/2016 6:22:53 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: BF089173.D
 Acq: 21 Jul 2016 11:44

Tgt Ion:	164	Resp:	94028
Ion Ratio	Lower	Upper	
164	100		
162	106.3	84.1	126.1
160	46.3	37.1	55.7





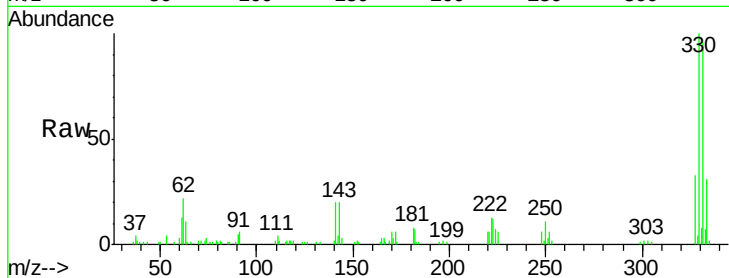
#41
 2,4,6-Tribromophenol
 Concen: 90.56 ng
 RT: 10.42 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: BF089173.D
 Acq: 21 Jul 2016 11:44

Instrument :
 BNA_F
 ClientSampleId :
 KSB-02-6.0-8.0

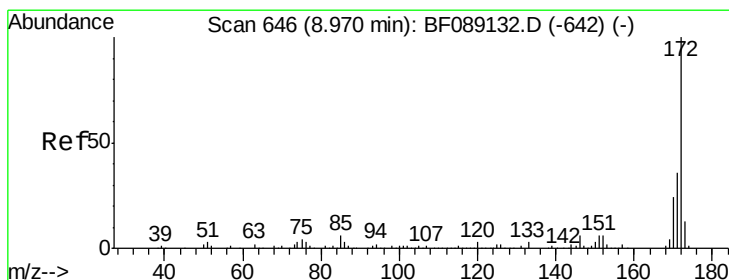
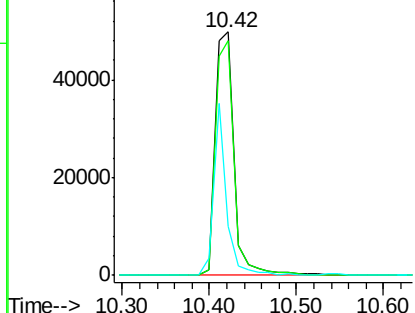
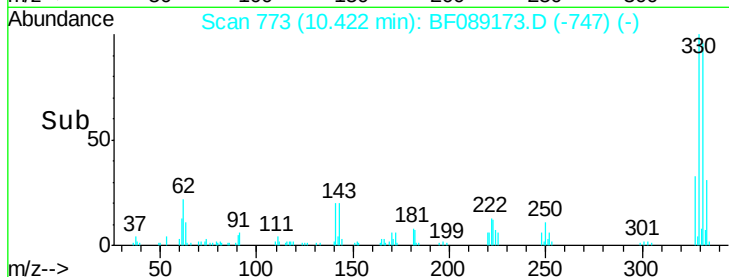
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.2	115.8
141	47.7	42.2	63.2

Manual Integrations

umangi
 7/22/2016 6:22:53 PM

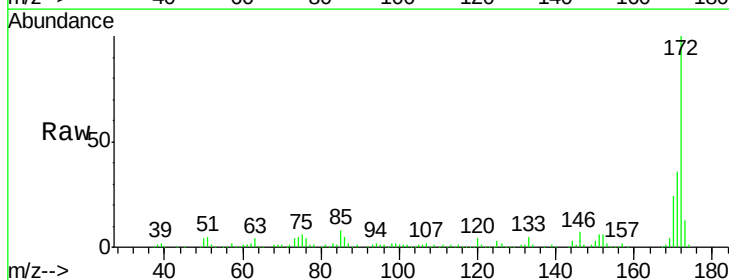


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

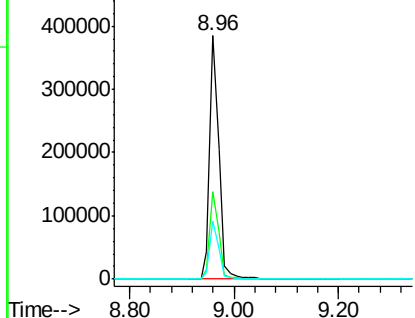
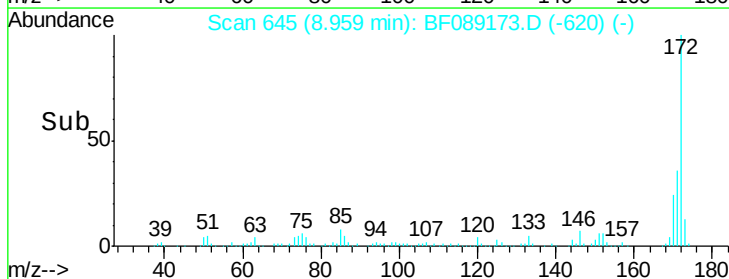


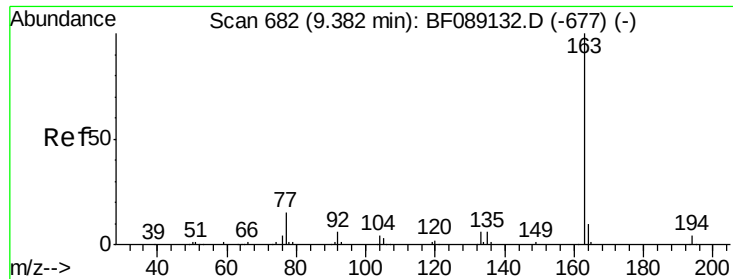
#44
 2-Fluorobiphenyl
 Concen: 69.00 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF089173.D
 Acq: 21 Jul 2016 11:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.2	43.8
170	23.8	19.1	28.7



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





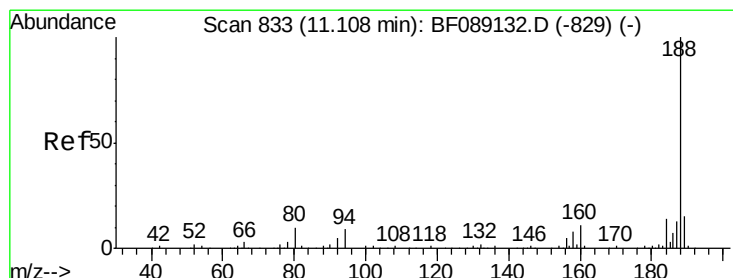
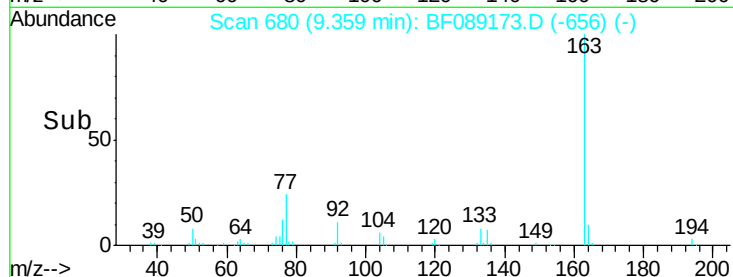
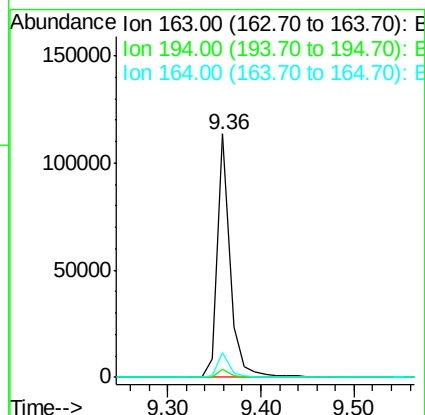
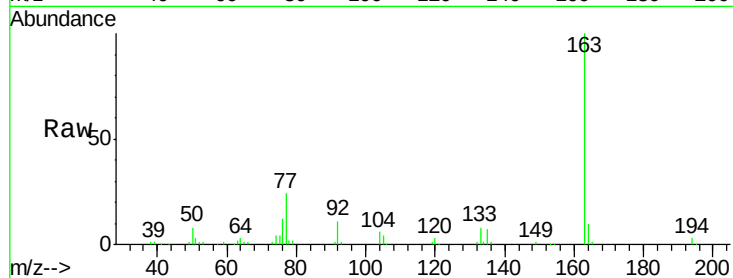
#49
Dimethylphthalate
Concen: 14.95 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF089173.D
Acq: 21 Jul 2016 11:44

Instrument :
BNA_F
ClientSampleId :
KSB-02-6.0-8.0

Tot Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.4	2.9	4.3	
164	10.1	7.6	11.4	

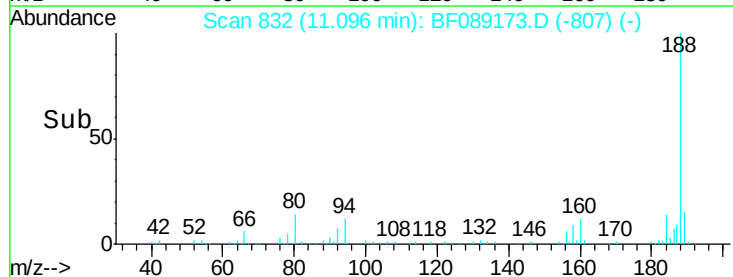
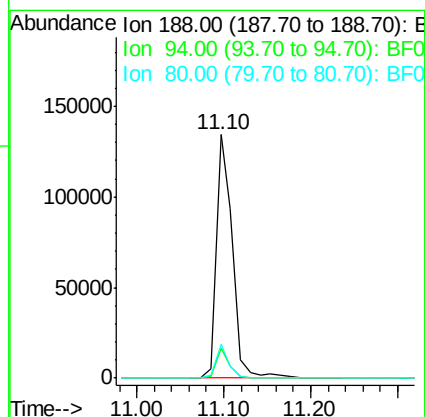
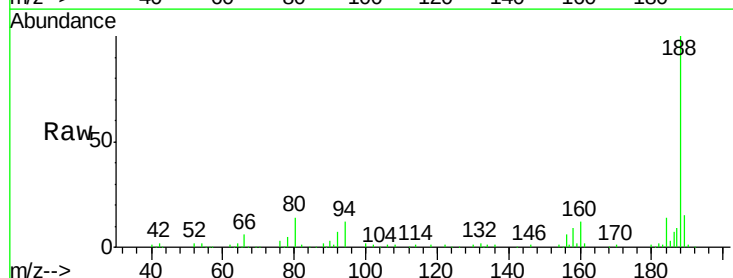
Manual Integrations

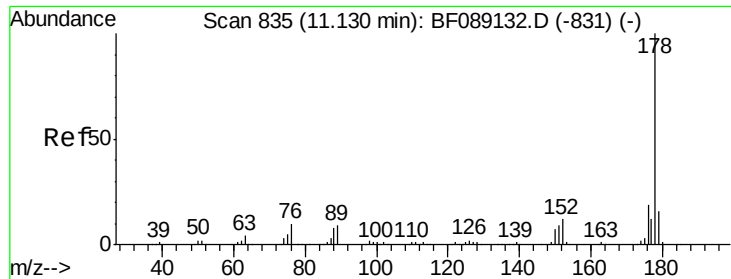
umangi
7/22/2016 6:22:53 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF089173.D
Acq: 21 Jul 2016 11:44

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	12.1	7.0	10.4#	
80	14.0	7.7	11.5#	





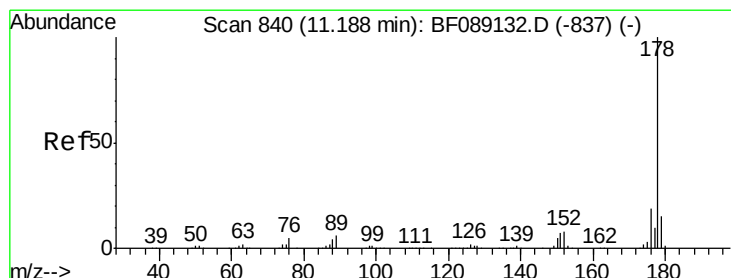
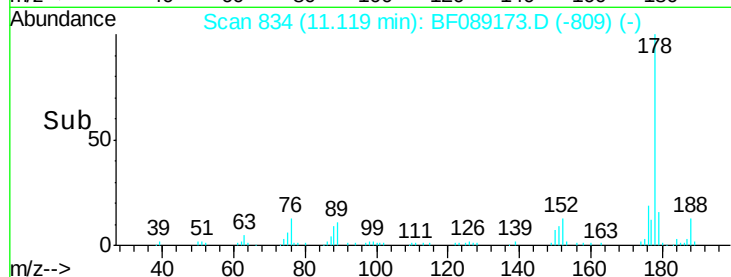
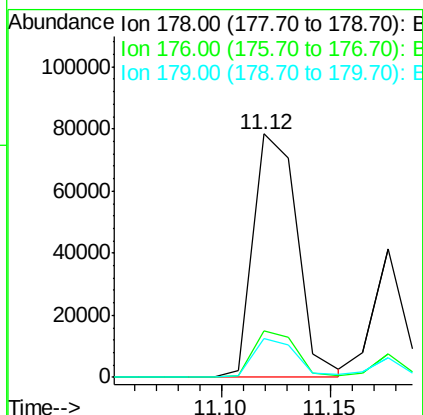
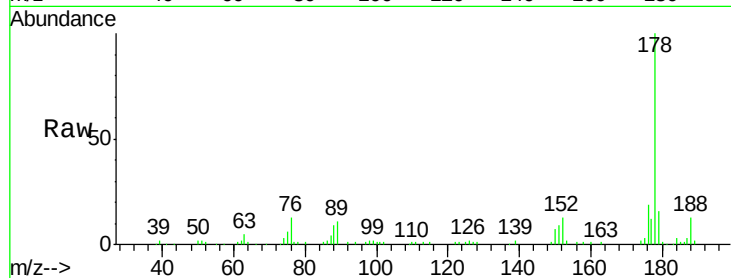
#70
Phenanthrene
Concen: 11.64 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF089173.D
Acq: 21 Jul 2016 11:44

Instrument :
BNA_F
ClientSampled :
KSB-02-6.0-8.0

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	15.8	12.4	18.6

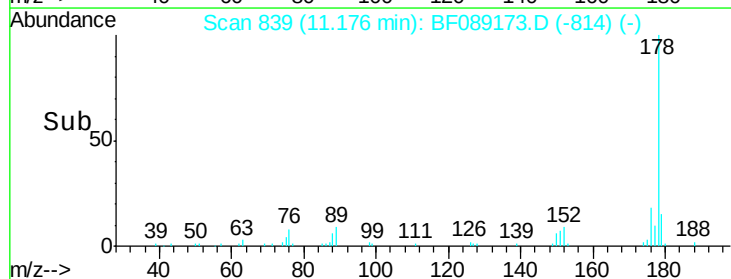
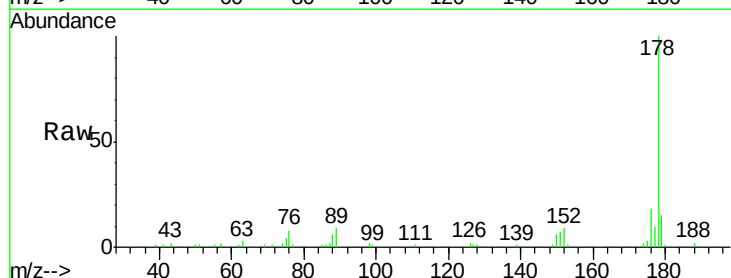
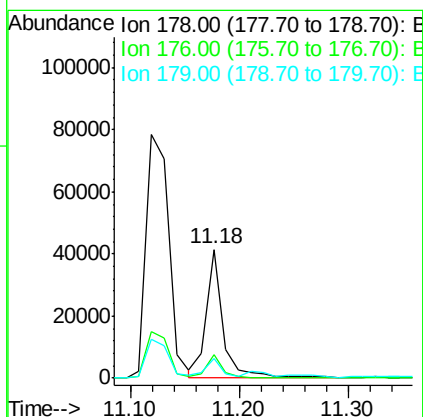
Manual Integrations

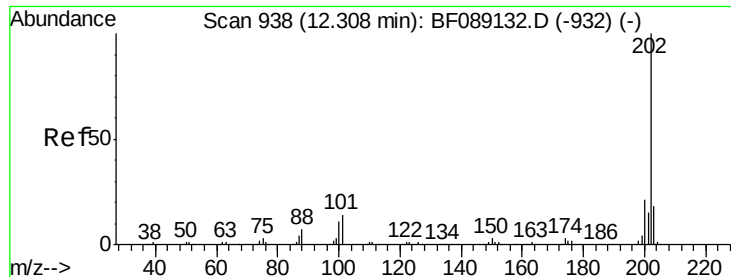
umangi
7/22/2016 6:22:53 PM



#71
Anthracene
Concen: 4.65 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF089173.D
Acq: 21 Jul 2016 11:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.9	22.3
179	14.9	12.0	18.0





#74

Fluoranthene

Concen: 13.21 ng

RT: 12.31 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF089173.D

Acq: 21 Jul 2016 11:44

Instrument :

BNA_F

ClientSampleId :

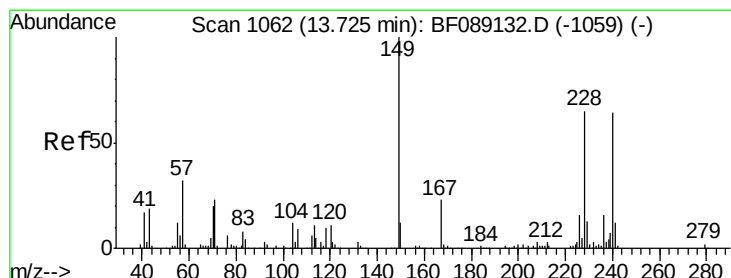
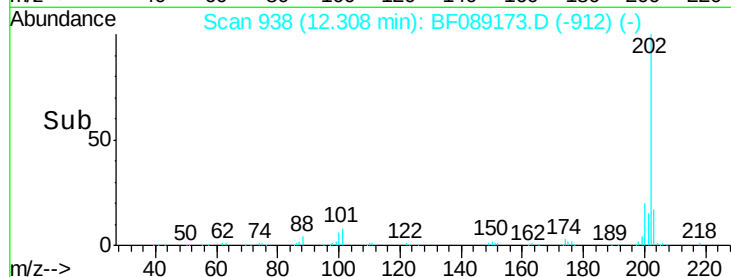
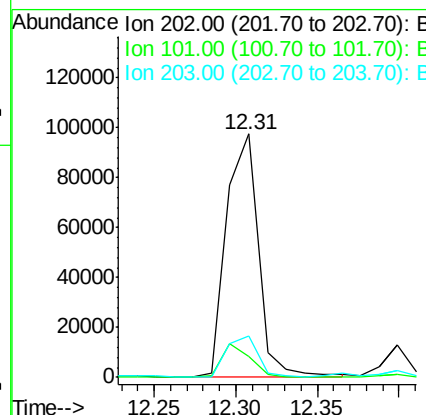
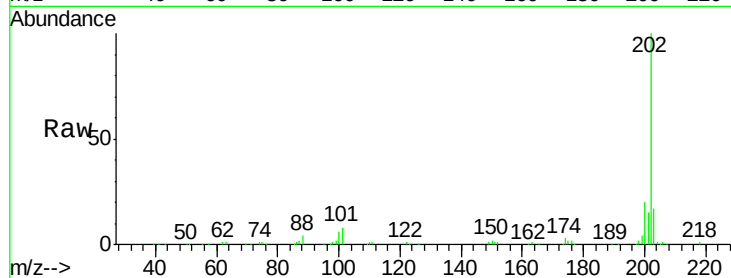
KSB-02-6.0-8.0

Tot Ion:	202	Resp:	132412
Ion Ratio	Lower	Upper	
202	100		
101	8.4	0.0	34.0
203	17.2	0.0	37.8

Manual Integrations

umangi

7/22/2016 6:22:53 PM



#75

Chrysene-d12

Concen: 20.00 ng

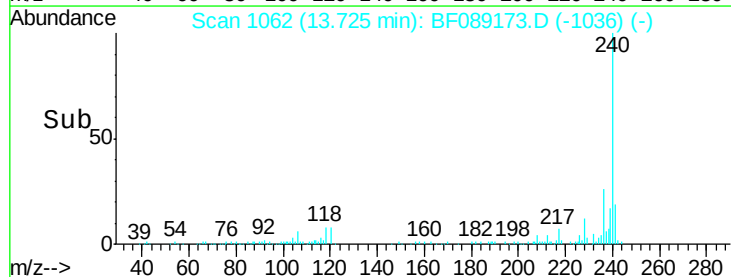
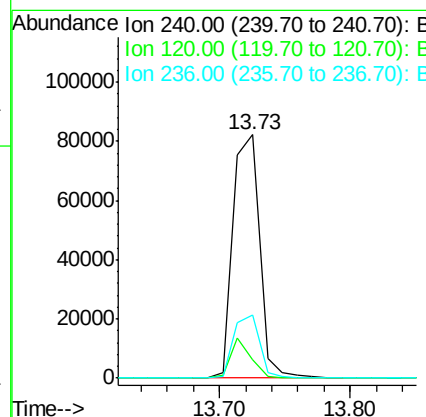
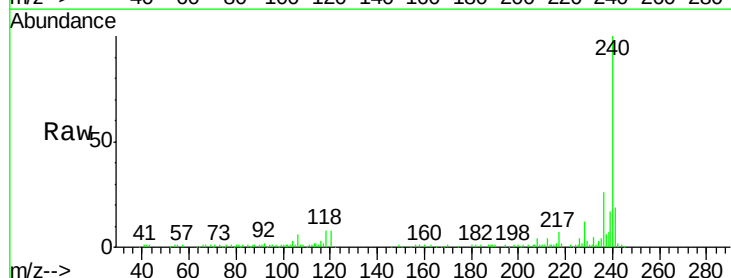
RT: 13.73 min Scan# 1062

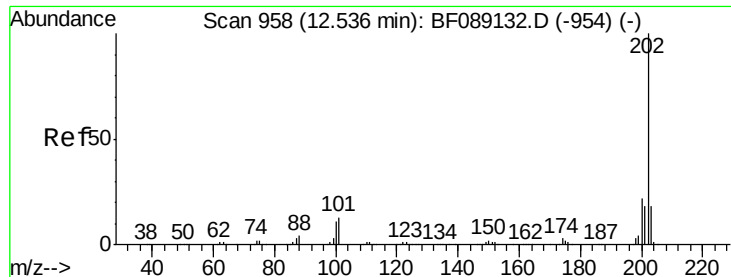
Delta R.T. 0.00 min

Lab File: BF089173.D

Acq: 21 Jul 2016 11:44

Tgt Ion:	240	Resp:	116122
Ion Ratio	Lower	Upper	
240	100		
120	7.7	13.6	20.4#
236	25.8	20.5	30.7





#77

Pvrene

Concen: 11.31 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF089173.D

Acq: 21 Jul 2016 11:44

Instrument :

BNA_F

ClientSampleId :

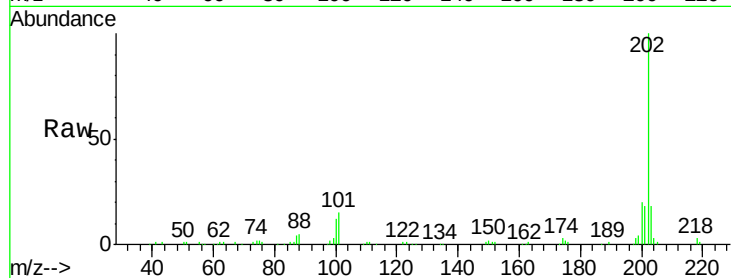
KSB-02-6.0-8.0

Tot Ion:	202	Resp:	108434
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.4	26.0
203	17.7	14.2	21.2

Manual Integrations

umangi

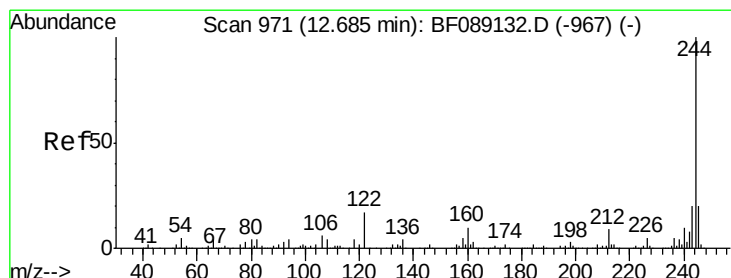
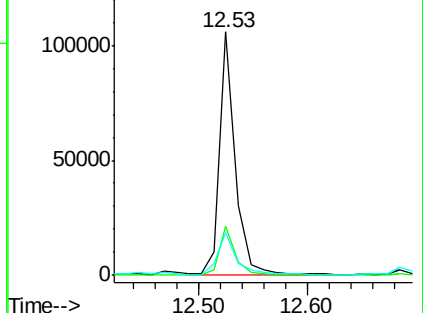
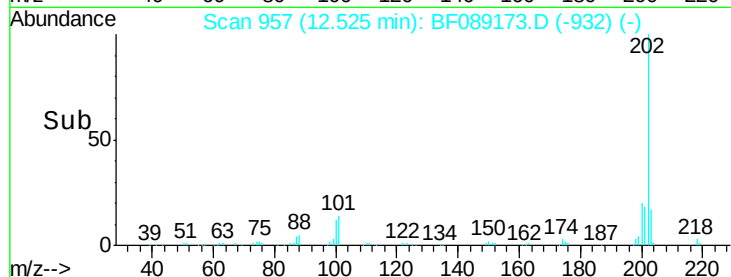
7/22/2016 6:22:53 PM



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: 67.79 ng

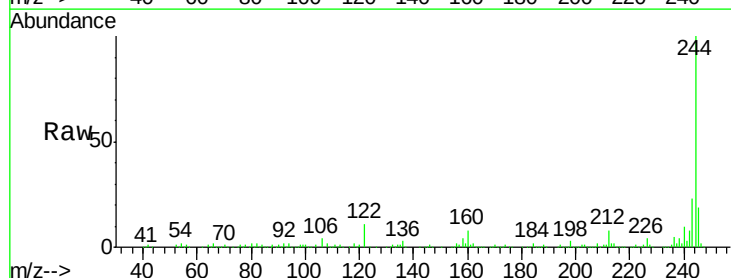
RT: 12.69 min Scan# 971

Delta R.T. 0.00 min

Lab File: BF089173.D

Acq: 21 Jul 2016 11:44

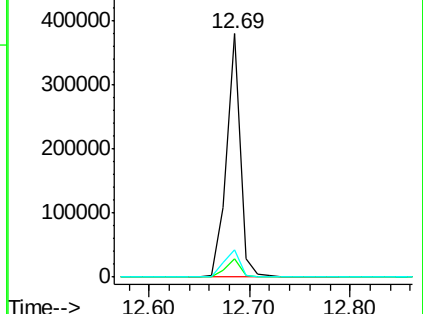
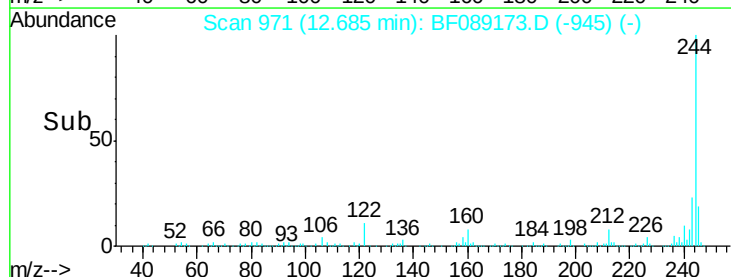
Tgt Ion:	244	Resp:	362936
Ion Ratio	Lower	Upper	
244	100		
212	7.8	7.0	10.4
122	11.2	13.8	20.8#

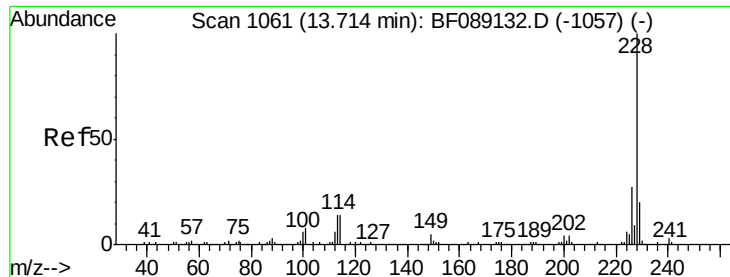


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





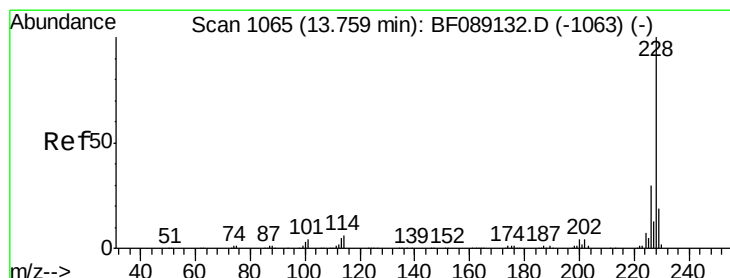
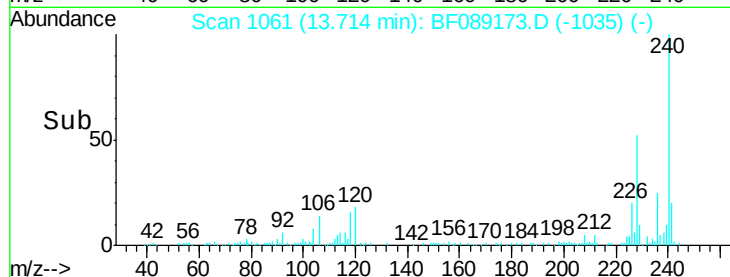
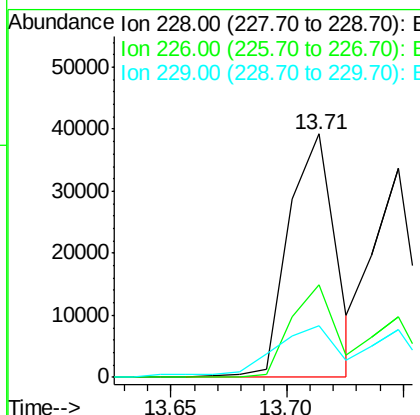
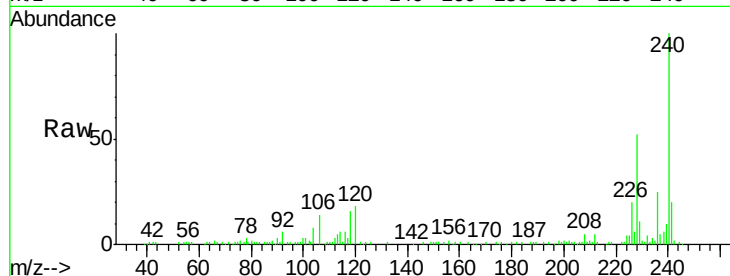
#80
Benzo(a)anthracene
Concen: 7.41 ng m
RT: 13.71 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BF089173.D
Acq: 21 Jul 2016 11:44

Instrument :
BNA_F
ClientSampleId :
KSB-02-6.0-8.0

Tot Ion	Ratio	Lower	Upper
228	100		
226	38.0	21.8	32.8
229	21.1	15.8	23.8

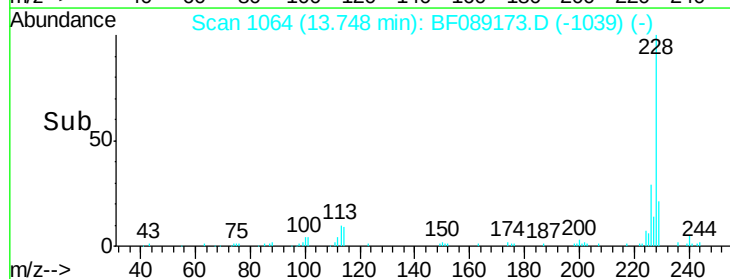
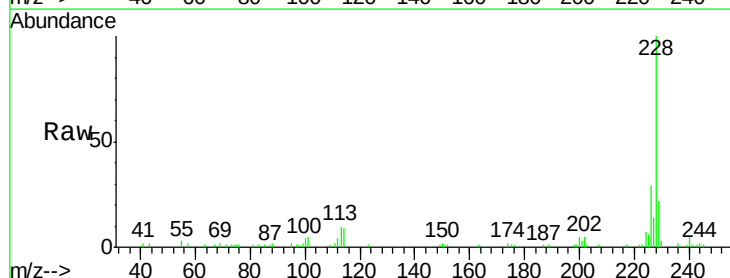
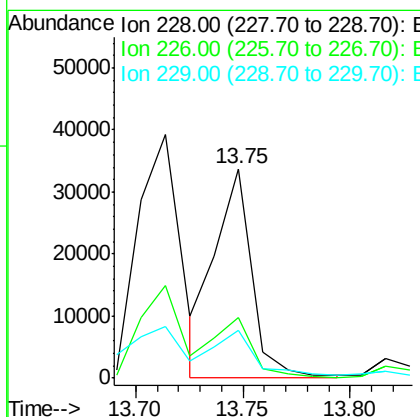
Manual Integrations

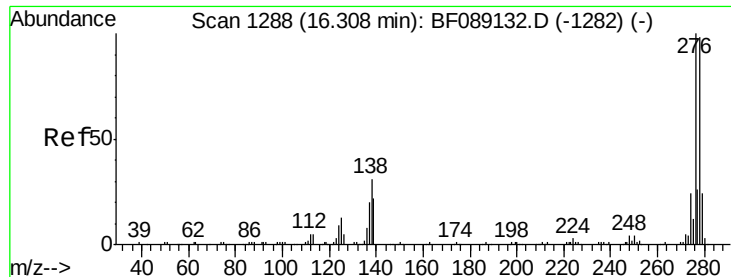
umangi
7/22/2016 6:22:53 PM



#82
Chrysene
Concen: 5.83 ng m
RT: 13.75 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF089173.D
Acq: 21 Jul 2016 11:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.8	35.8
229	22.5	15.4	23.0





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.99 ng

RT: 16.29 min Scan# 1286

Delta R.T. -0.02 min

Lab File: BF089173.D

Acq: 21 Jul 2016 11:44

Instrument :

BNA_F

ClientSampled :

KSB-02-6.0-8.0

Tot Ion:276 Resp: 20459

Ion Ratio Lower Upper

276 100

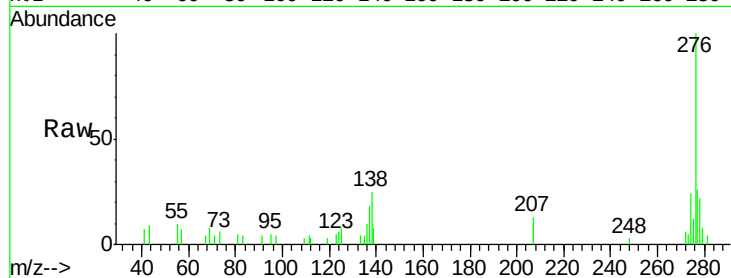
138 23.8 23.7 35.5

277 27.8 20.6 31.0

Manual Integrations

umangi

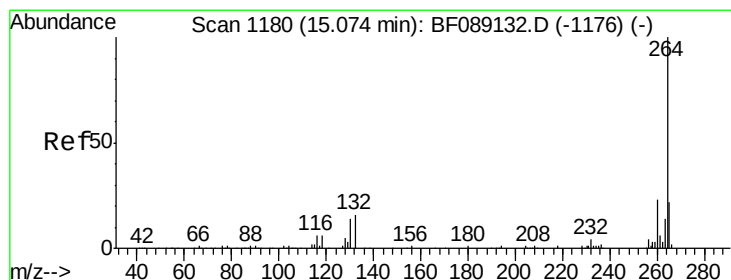
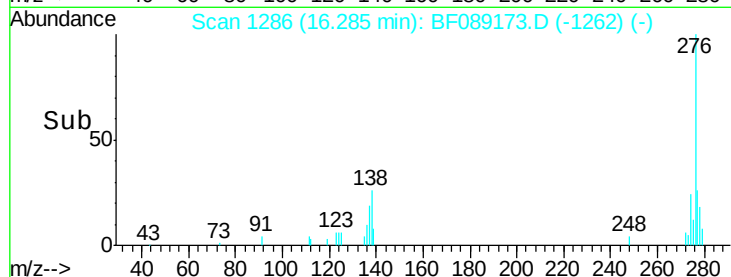
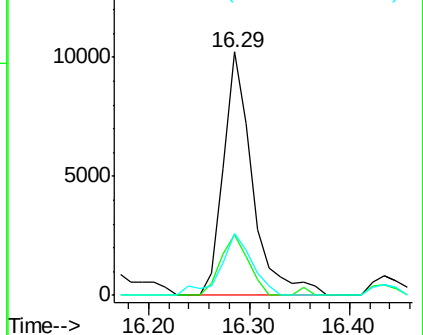
7/22/2016 6:22:53 PM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.06 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF089173.D

Acq: 21 Jul 2016 11:44

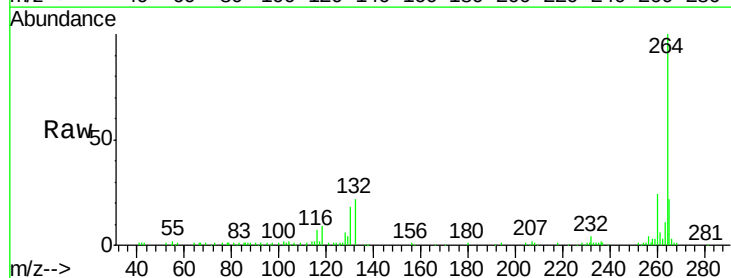
Tgt Ion:264 Resp: 102177

Ion Ratio Lower Upper

264 100

260 23.6 18.5 27.7

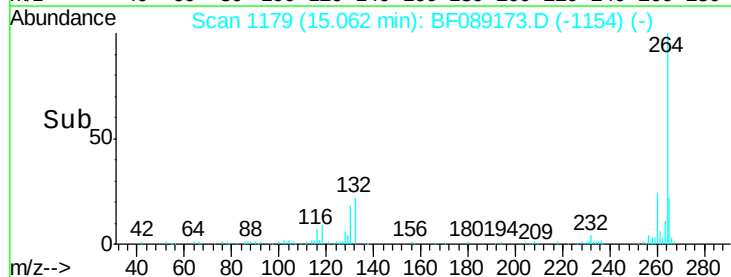
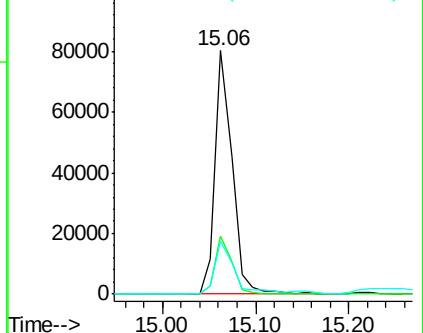
265 21.8 17.3 25.9

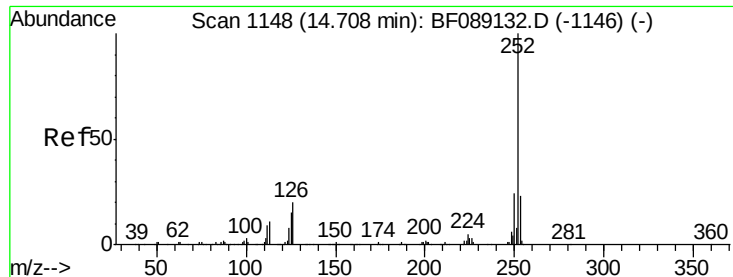


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





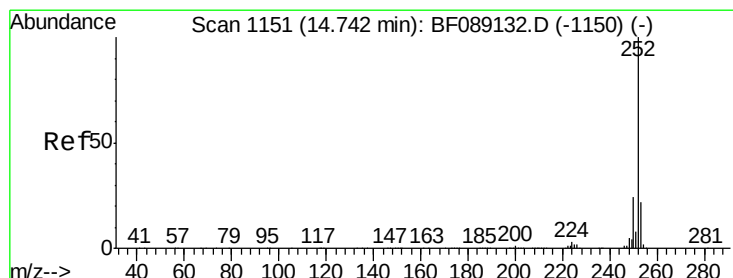
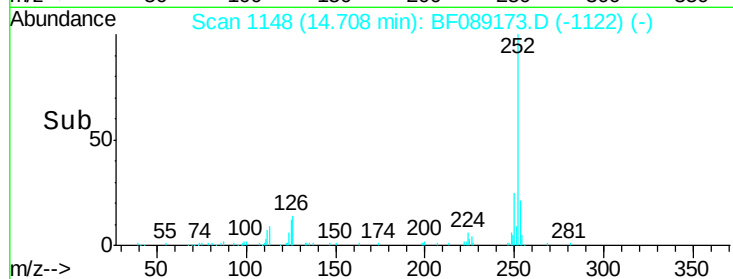
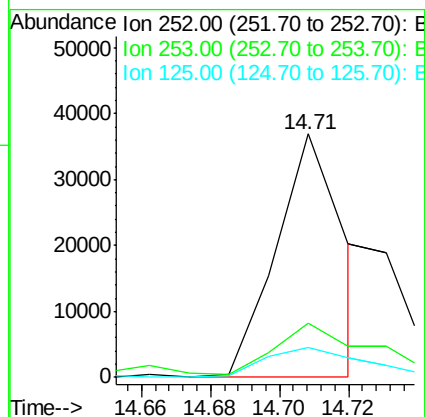
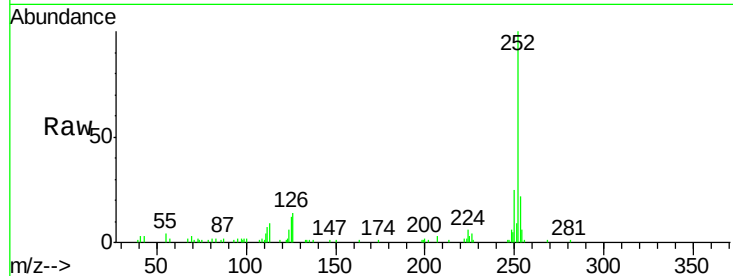
#87
Benzo(b)fluoranthene
Concen: 6.78 ng m
RT: 14.71 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF089173.D
Acq: 21 Jul 2016 11:44

Instrument :
BNA_F
ClientSampleId :
KSB-02-6.0-8.0

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	12.4	11.9	17.9

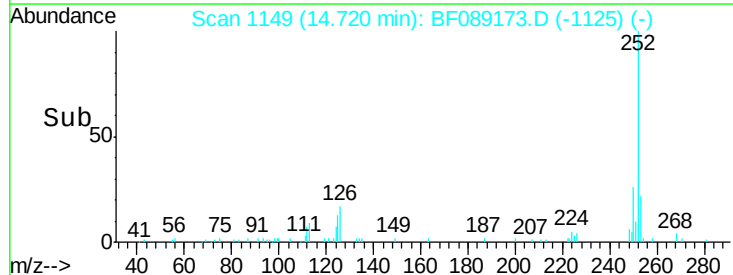
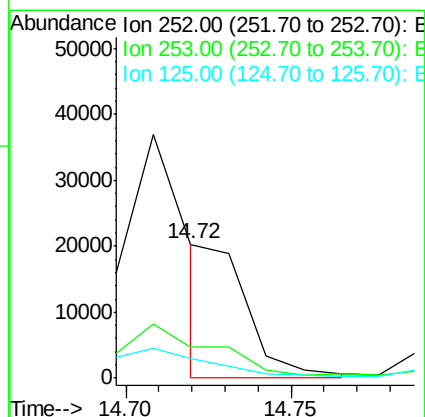
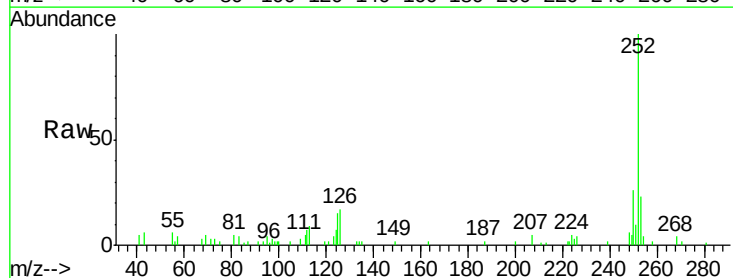
Manual Integrations

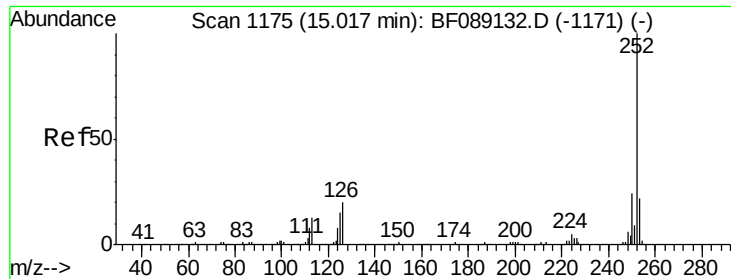
umangi
7/22/2016 6:22:53 PM



#88
Benzo(k)fluoranthene
Concen: 3.12 ng m
RT: 14.72 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF089173.D
Acq: 21 Jul 2016 11:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	15.0	6.3	9.5#





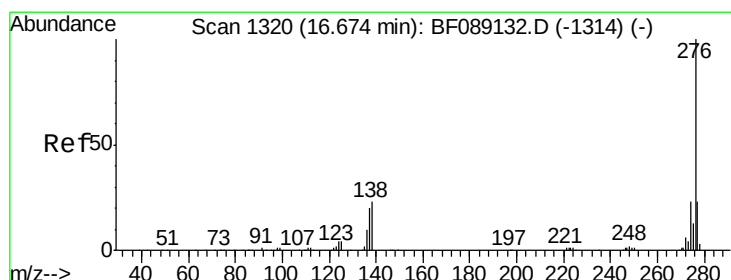
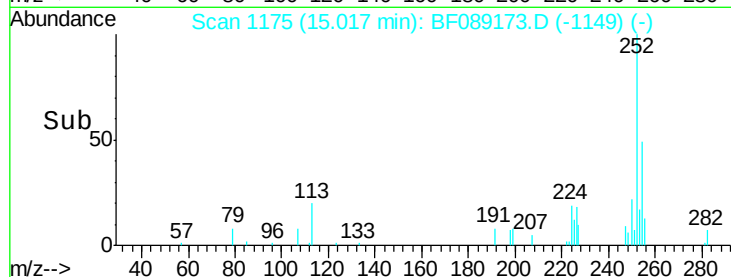
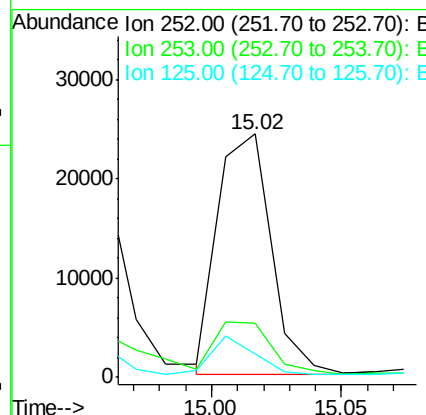
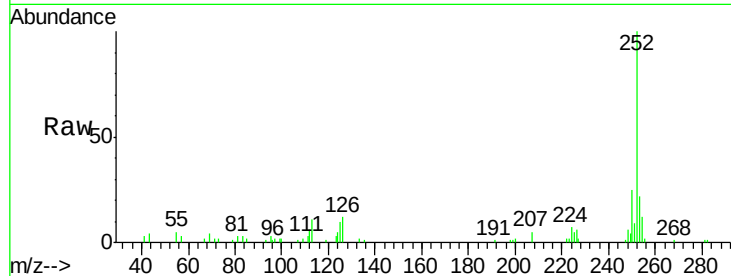
#89
Benzo(a)pyrene
Concen: 6.17 ng/ml
RT: 15.02 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BF089173.D
Acq: 21 Jul 2016 11:44

Instrument :
BNA_F
ClientSampleId :
KSB-02-6.0-8.0

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	9.7	12.4	18.6

Manual Integrations

umangi
7/22/2016 6:22:53 PM



#91
Benzo(g,h,i)perylene
Concen: 3.59 ng/ml
RT: 16.65 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF089173.D
Acq: 21 Jul 2016 11:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.5	27.7
138	25.5	18.5	27.7

