

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072116\
 Data File : BF089176.D
 Acq On : 21 Jul 2016 13:13
 Operator : UM/SJ
 Sample : H4112-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KSB-07-0.2-2.0

Manual Integrations

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Quant Time: Jul 22 11:33:42 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	45896	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	191716	20.00	ng	0.00
38) Acenaphthene-d10	9.62	164	72696	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	118196	20.00	ng	-0.01
75) Chrysene-d12	13.73	240	101478	20.00	ng	0.00
86) Perylene-d12	15.07	264	81996	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	351623	116.52	ng	0.00
7) Phenol-d6	6.26	99	470438	120.89	ng	-0.01
23) Nitrobenzene-d5	7.18	82	277017	76.77	ng	0.00
41) 2,4,6-Tribromophenol	10.41	330	52413	80.08	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	413627	78.40	ng	-0.01
78) Terphenyl-d14	12.69	244	290466	62.08	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.91	128	22363	2.16	ng	99
48) Acenaphthylene	9.48	152	23056	2.95	ng	98
49) Dimethylphthalate	9.36	163	111879	20.06	ng	99
51) Acenaphthene	9.66	154	14728	3.18	ng	97
54) Dibenzofuran	9.84	168	13933	2.23	ng	92
57) Fluorene	10.17	166	19417m	3.66	ng	
70) Phenanthrene	11.13	178	195491	30.15	ng	99
71) Anthracene	11.18	178	75533	11.21	ng	99
72) Carbazole	11.34	167	23855	4.03	ng	98
74) Fluoranthene	12.31	202	280262	41.12	ng	94
77) Pyrene	12.53	202	234694	28.00	ng	96
80) Benzo(a)anthracene	13.71	228	122879m	19.01	ng	
82) Chrysene	13.75	228	112860m	18.28	ng	
85) Indeno(1,2,3-cd)pyrene	16.30	276	49834	11.11	ng	97
87) Benzo(b)fluoranthene	14.71	252	108141m	18.21	ng	
88) Benzo(k)fluoranthene	14.72	252	59269m	13.96	ng	
89) Benzo(a)pyrene	15.02	252	89620	19.44	ng	97
90) Dibenzo(a,h)anthracene	16.31	278	12540m	3.44	ng	
91) Benzo(a,h,i)perylene	16.66	276	45057	12.28	ng	94

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

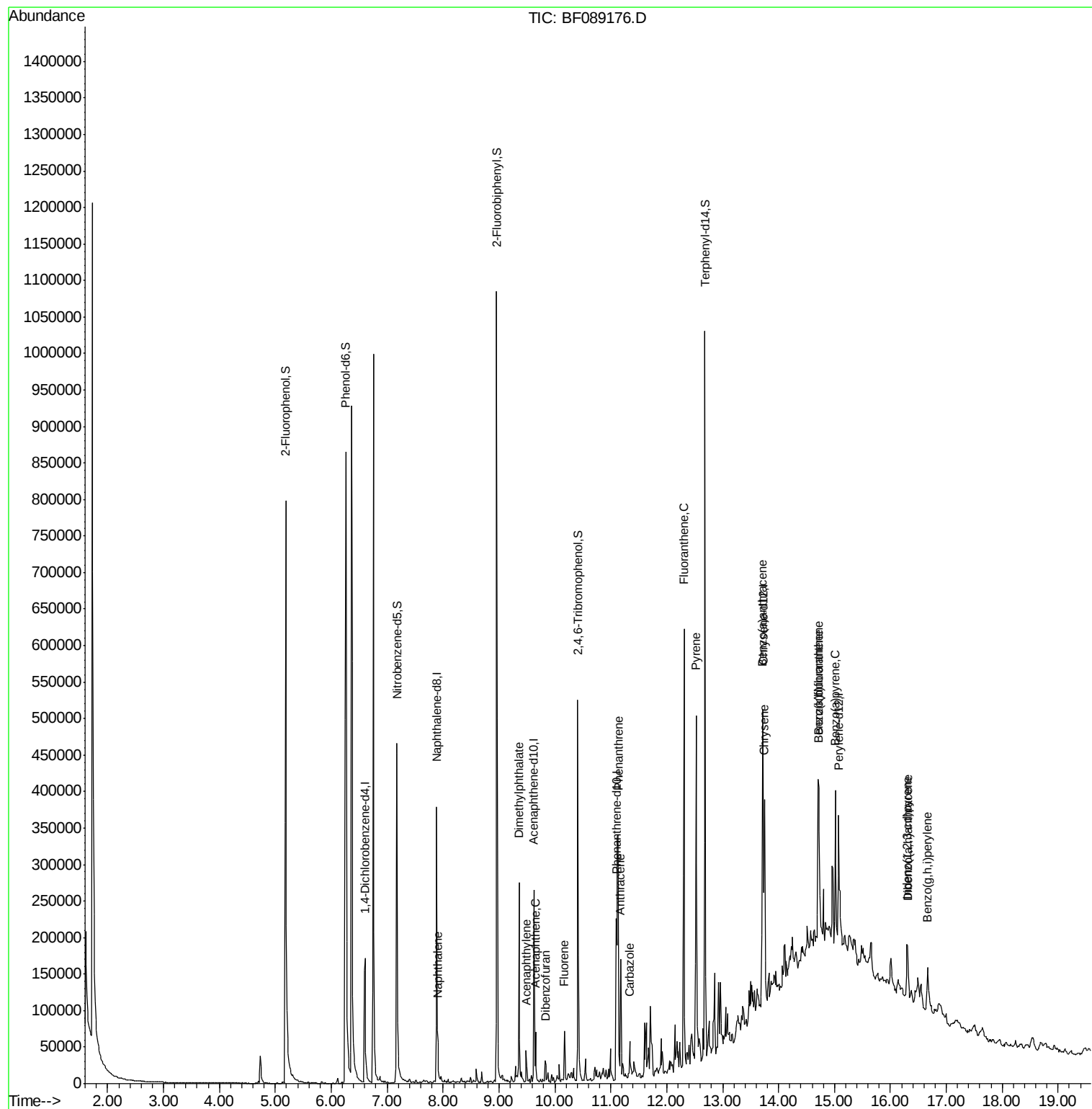
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072116\
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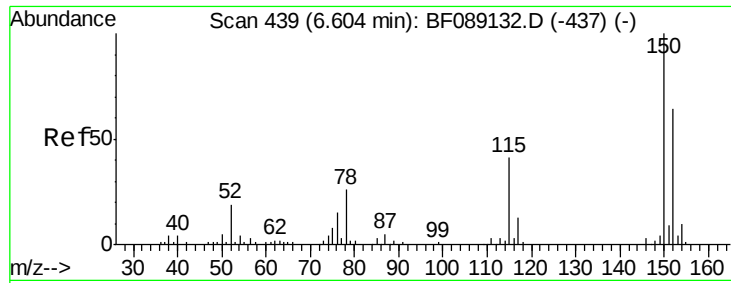
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Jul 22 11:33:42 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 19:03:15 2016
Response via : Initial Calibration

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#1

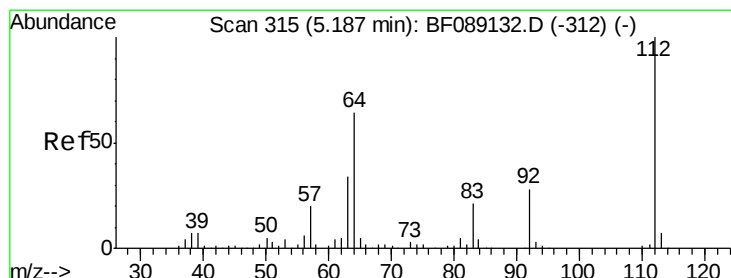
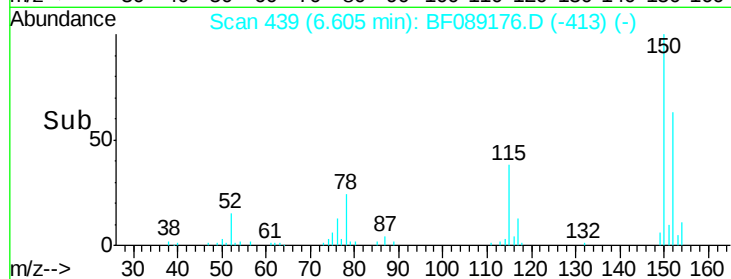
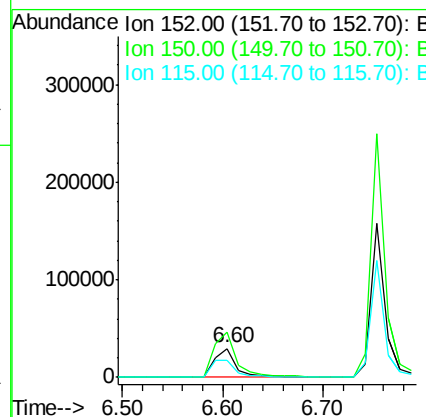
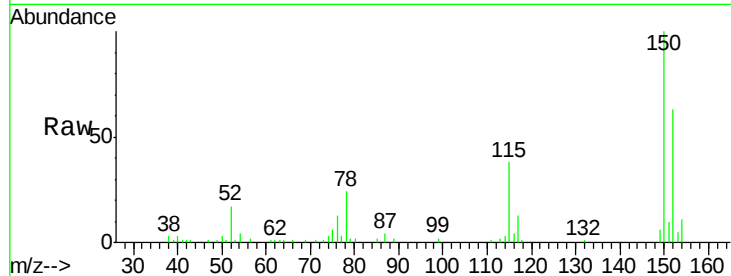
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Instrument :
BNA_F
ClientSampleId :
KSB-07-0.2-2.0

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.1	187.7
115	59.9	51.1	76.7

Manual Integrations

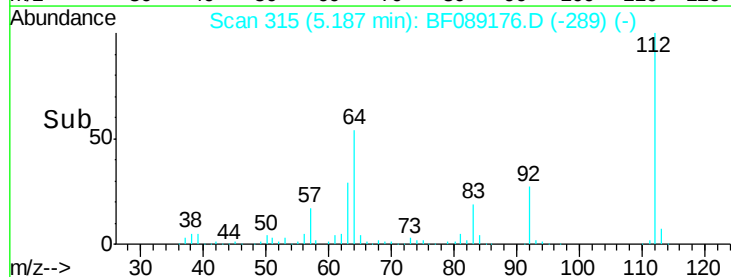
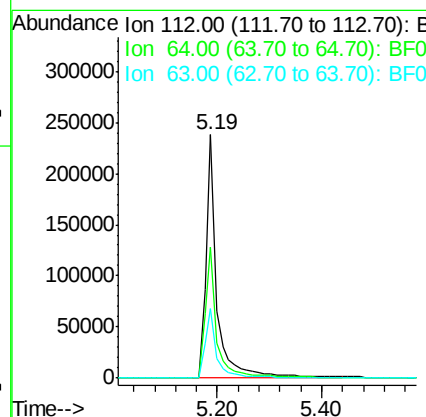
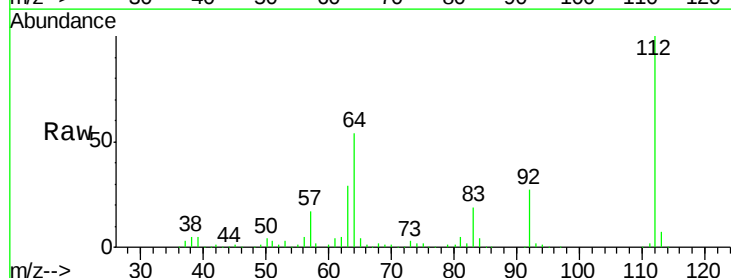
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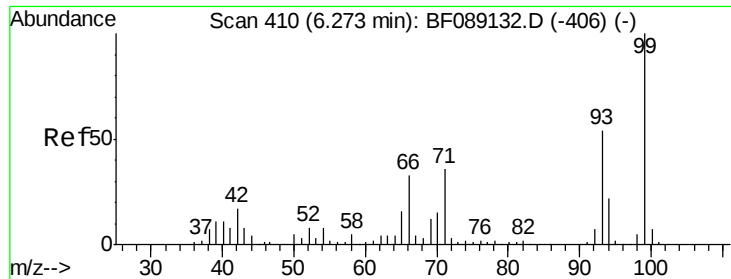


#5

2-Fluorophenol
Concen: 116.52 ng
RT: 5.19 min Scan# 315
Delta R.T. 0.00 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	51.0	76.4
63	28.8	27.3	40.9





#7

Phenol-d6

Concen: 120.89 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF089176.D

Acq: 21 Jul 2016 13:13

Instrument :

BNA_F

ClientSampleId :

KSB-07-0.2-2.0

Tot Ion: 99 Resp: 470438

Ion Ratio Lower Upper

99 100

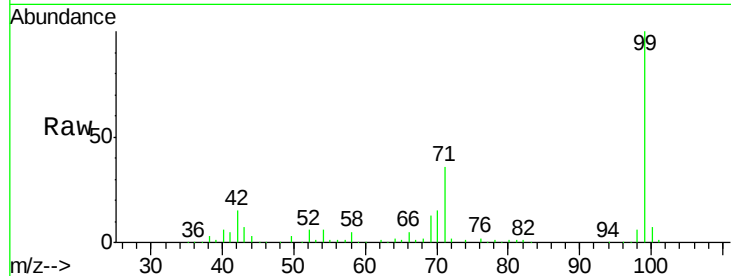
42 15.4 13.5 20.3

71 35.7 28.9 43.3

Manual Integrations

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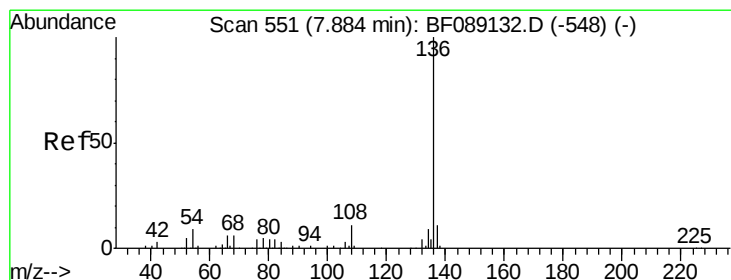
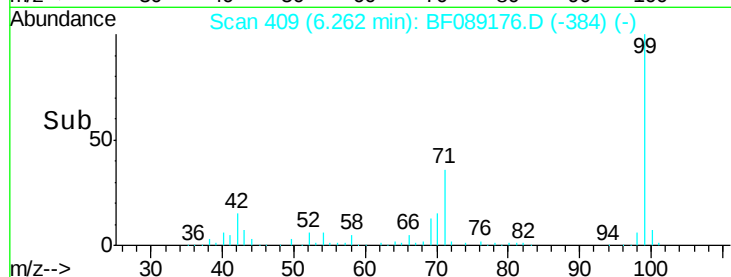
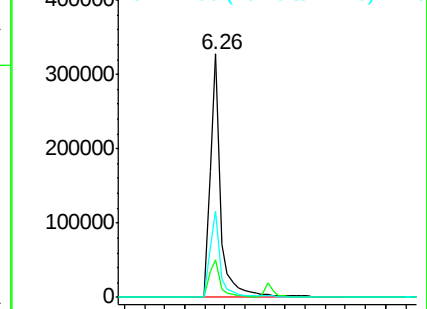
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 7.88 min Scan# 551

Delta R.T. 0.00 min

Lab File: BF089176.D

Acq: 21 Jul 2016 13:13

Tgt Ion: 136 Resp: 191716

Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 6.5 7.0 10.4#

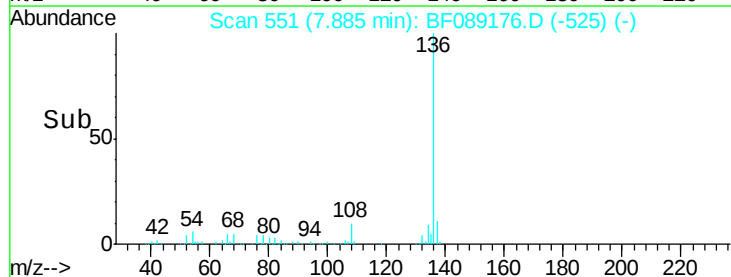
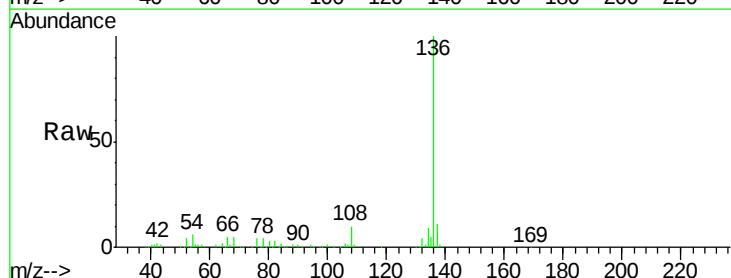
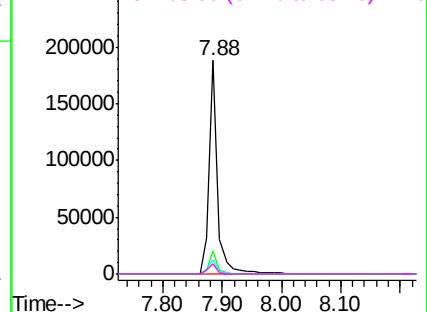
68 5.0 5.0 7.6#

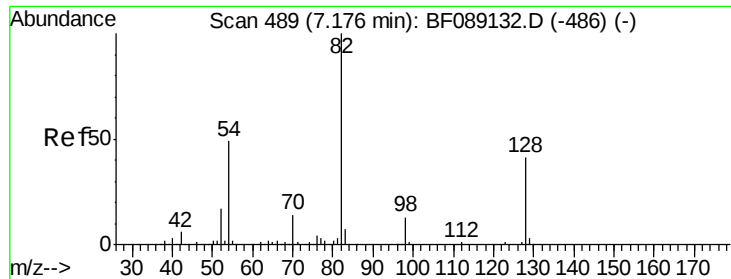
Abundance Ion 136.00 (135.70 to 136.70): E

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





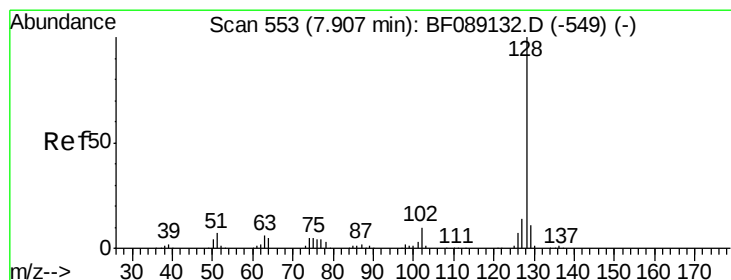
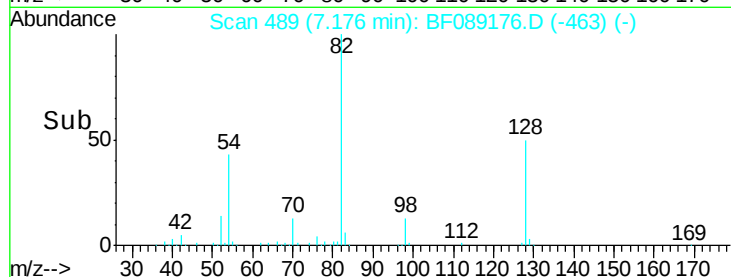
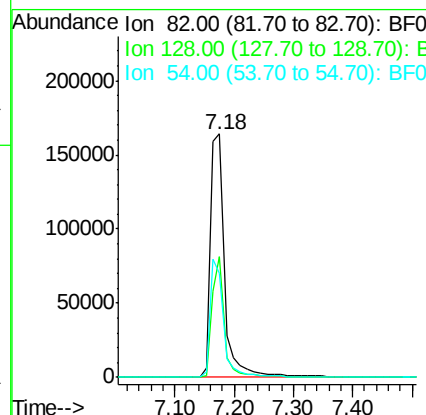
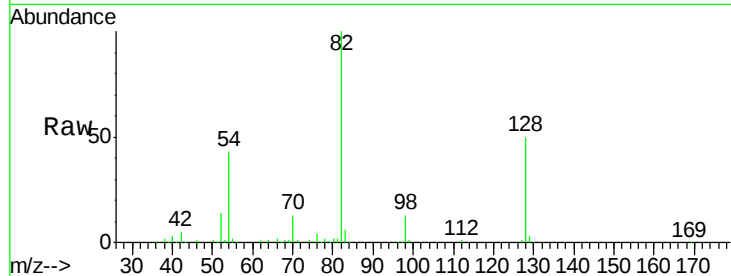
#23
Nitrobenzene-d5
Concen: 76.77 ng
RT: 7.18 min Scan# 489
Delta R.T. 0.00 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Instrument :
BNA_F
ClientSampleId :
KSB-07-0.2-2.0

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.7	33.0	49.6#
54	42.5	39.0	58.4

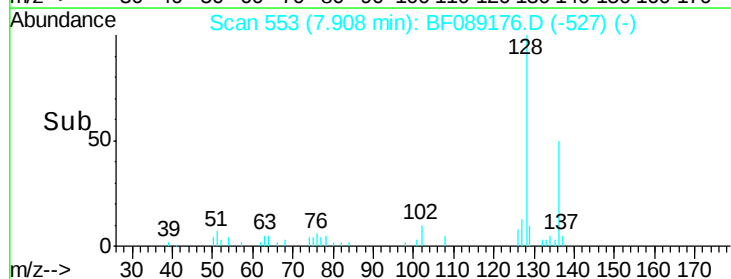
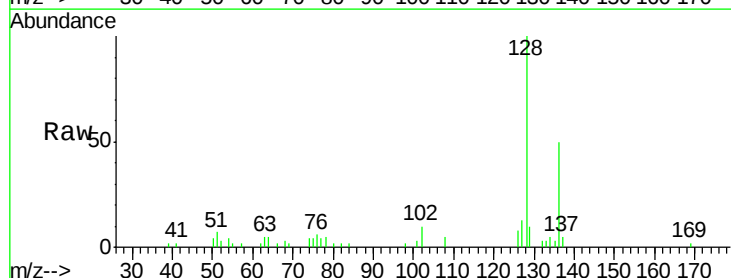
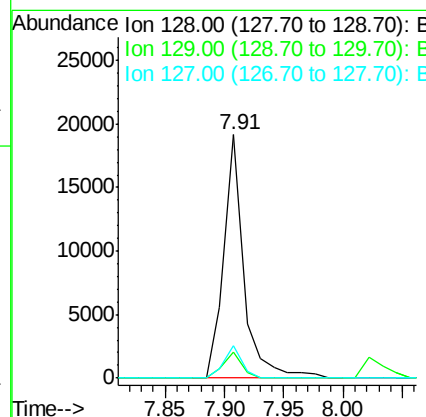
Manual Integrations

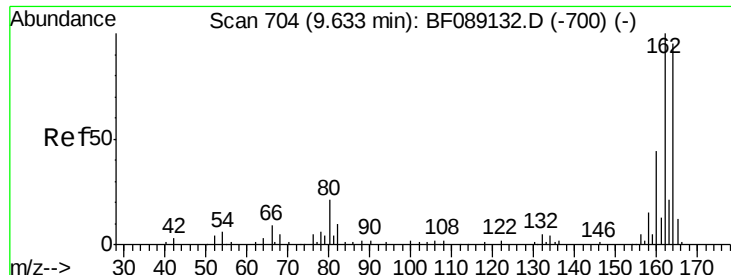
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#31
Naphthalene
Concen: 2.16 ng
RT: 7.91 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.9	13.3
127	13.2	10.8	16.2





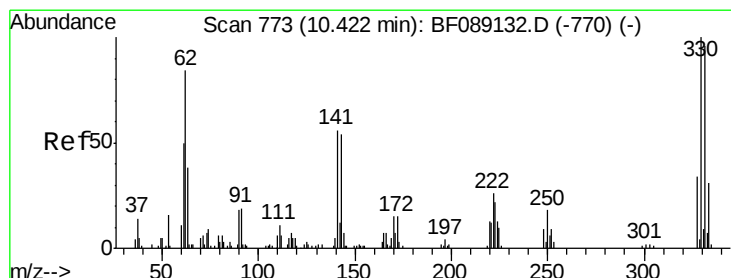
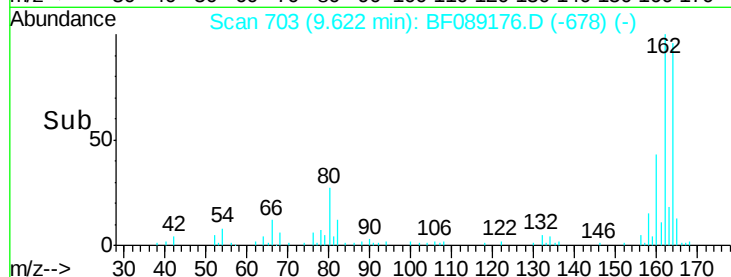
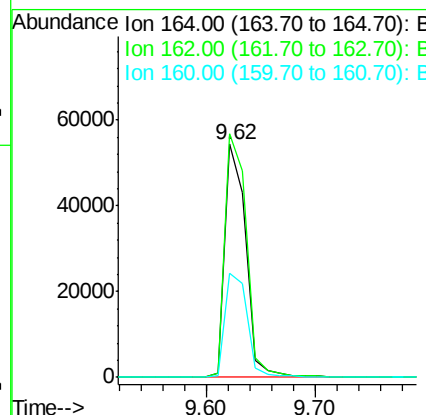
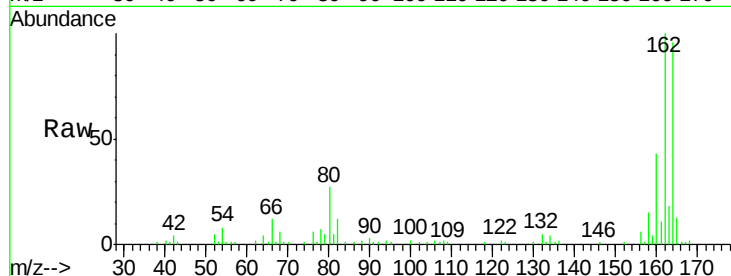
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Instrument :
BNA_F
ClientSampleId :
KSB-07-0.2-2.0

Tot Ion:164 Resp: 72696
Ion Ratio Lower Upper
164 100
162 104.4 84.1 126.1
160 44.6 37.1 55.7

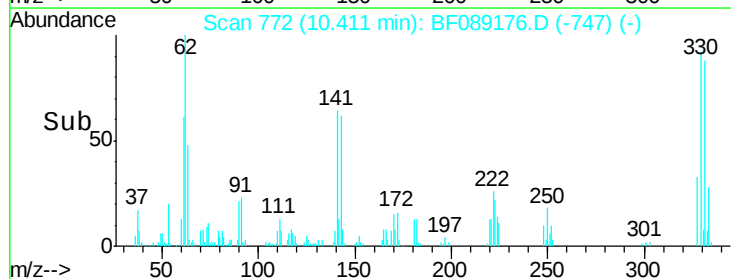
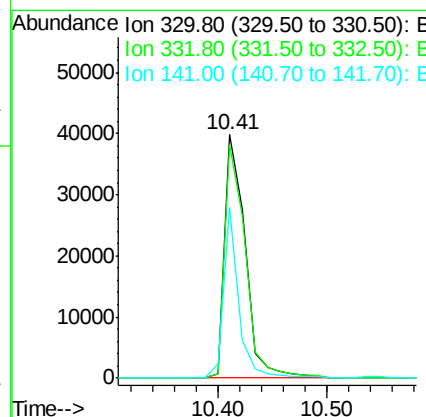
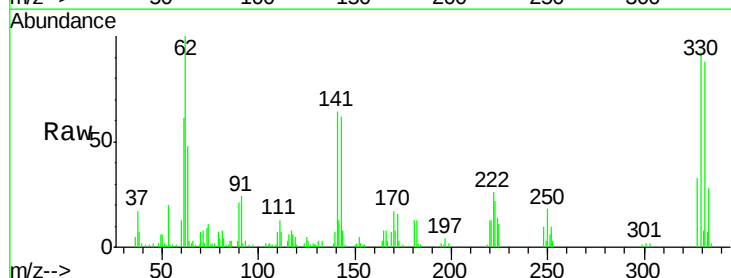
Manual Integrations

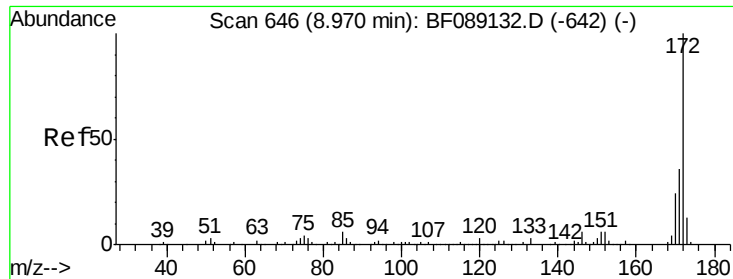
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#41
2,4,6-Tribromophenol
Concen: 80.08 ng
RT: 10.41 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Tgt Ion:330 Resp: 52413
Ion Ratio Lower Upper
330 100
332 96.8 77.2 115.8
141 52.9 42.2 63.2





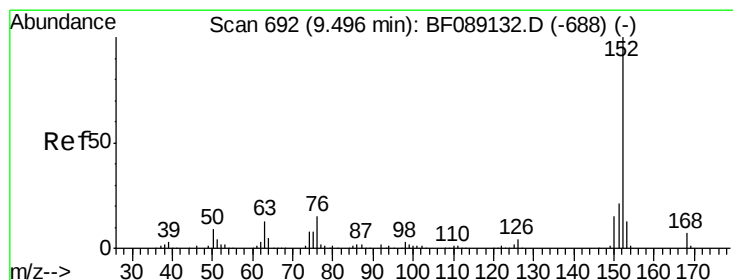
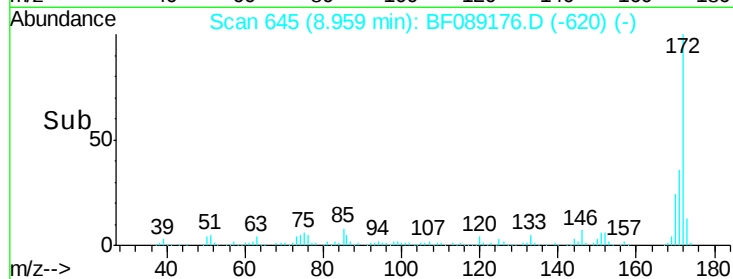
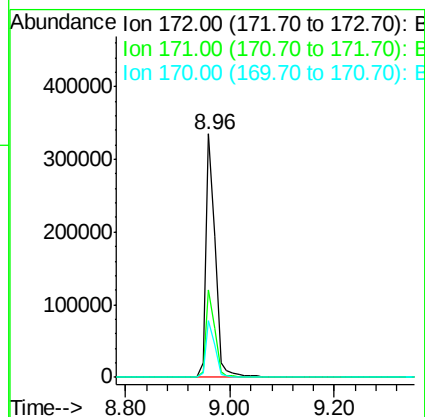
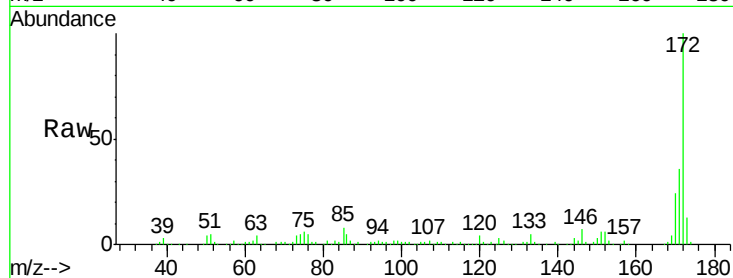
#44
2-Fluorobiphenyl
Concen: 78.40 ng
RT: 8.96 min Scan# 645
Delta R.T. -0.01 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Instrument :
BNA_F
ClientSampleId :
KSB-07-0.2-2.0

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.2	43.8
170	23.5	19.1	28.7

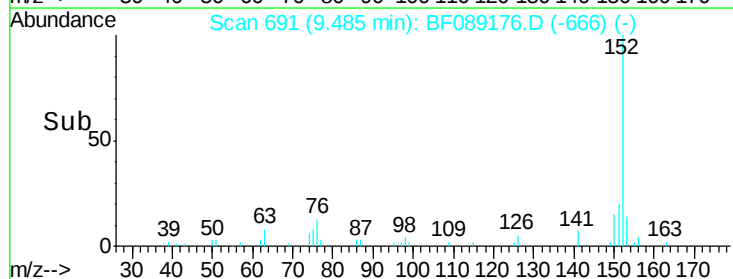
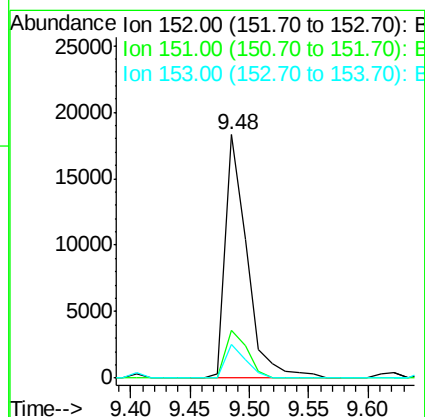
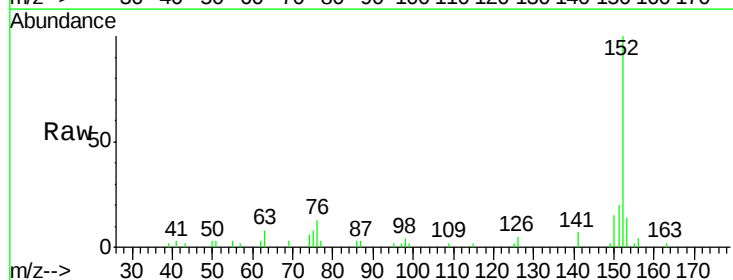
Manual Integrations

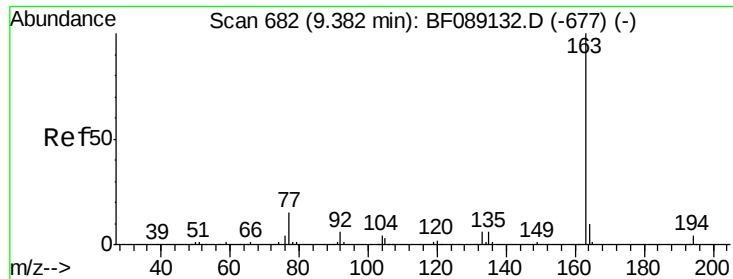
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#48
Acenaphthylene
Concen: 2.95 ng
RT: 9.48 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.5	24.7
153	13.8	10.7	16.1





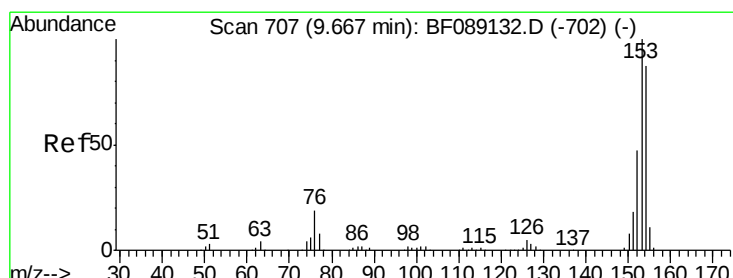
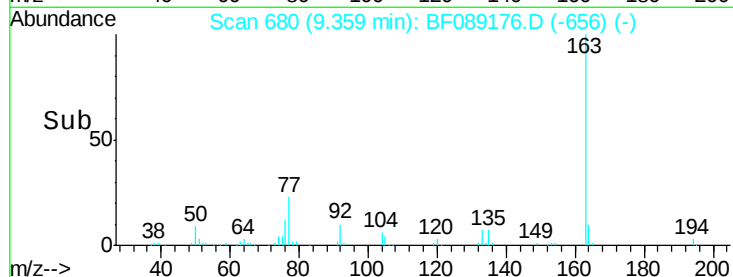
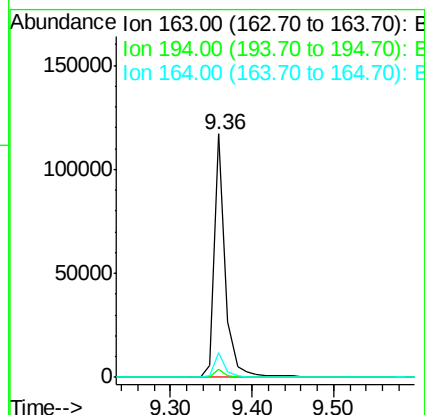
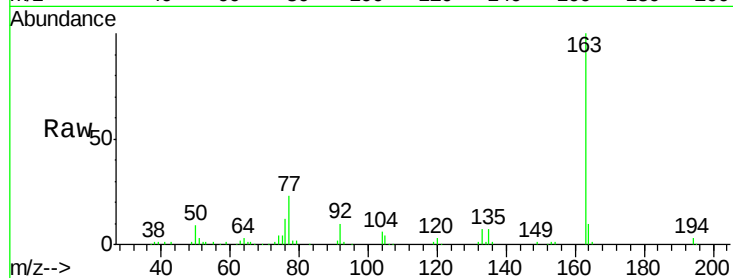
#49
Dimethylphthalate
Concen: 20.06 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Instrument :
BNA_F
ClientSampleId :
KSB-07-0.2-2.0

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.9	4.3
164	10.0	7.6	11.4

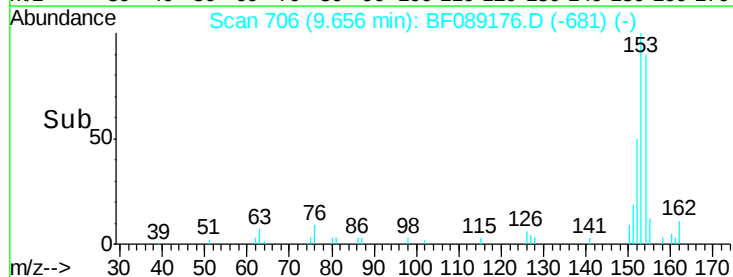
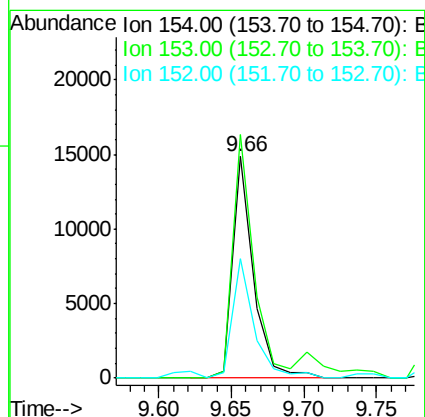
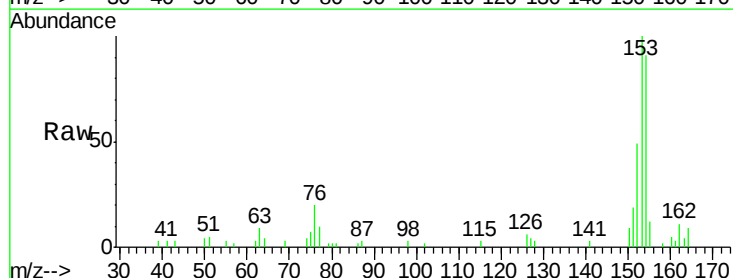
Manual Integrations

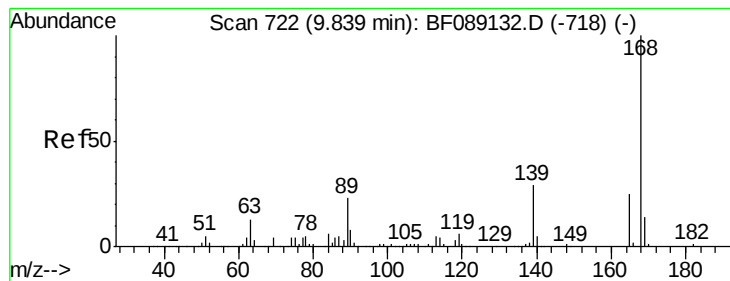
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#51
Acenaphthene
Concen: 3.18 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.01 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.0	91.9	137.9
152	54.0	42.8	64.2





#54

Dibenzofuran

Concen: 2.23 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.00 min

Lab File: BF089176.D

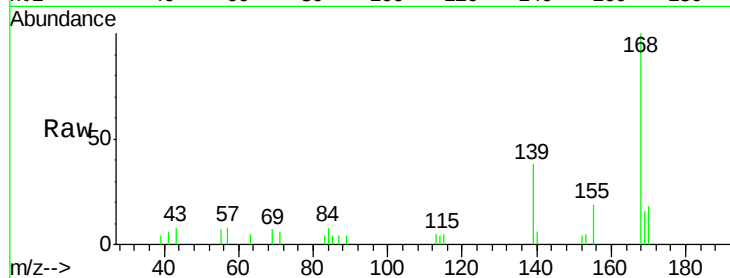
Acq: 21 Jul 2016 13:13

Instrument :

BNA_F

ClientSampleId :

KSB-07-0.2-2.0



Tot Ion:168 Resp: 13933

Ion Ratio Lower Upper

168 100

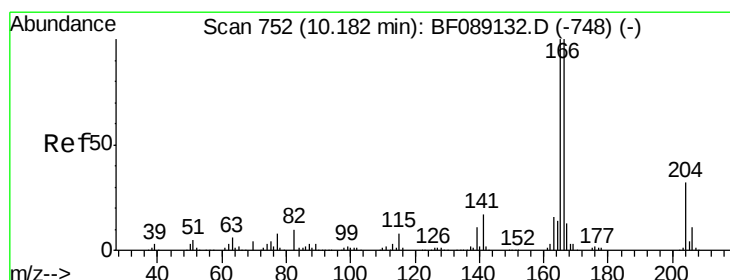
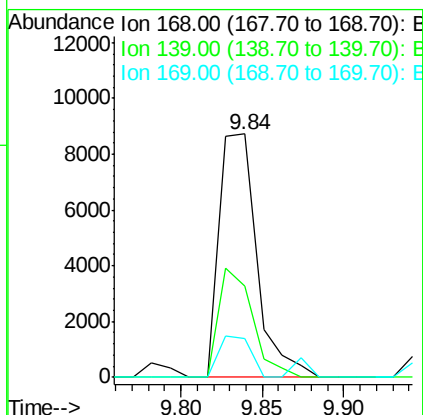
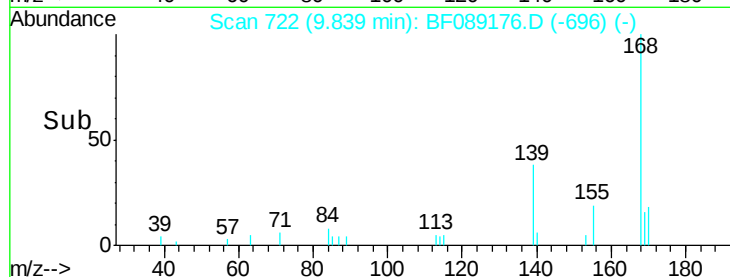
139 37.8 34.4 51.6

169 16.2 10.8 16.2

Manual Integrations

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#57

Fluorene

Concen: 3.66 ng m

RT: 10.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF089176.D

Acq: 21 Jul 2016 13:13

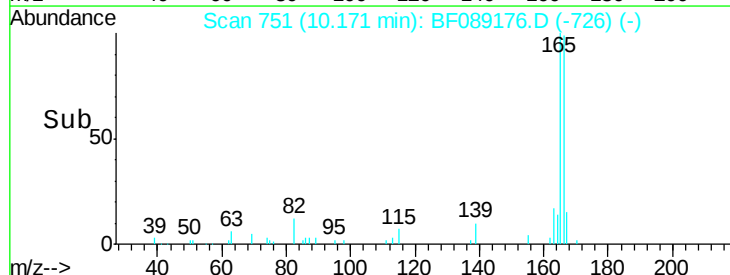
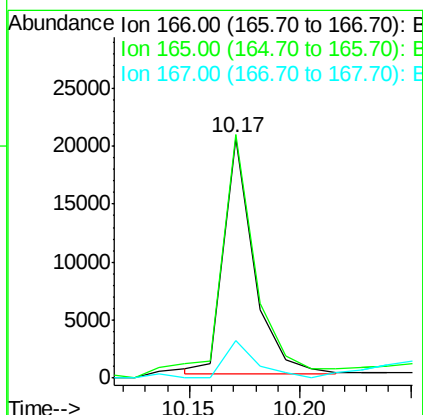
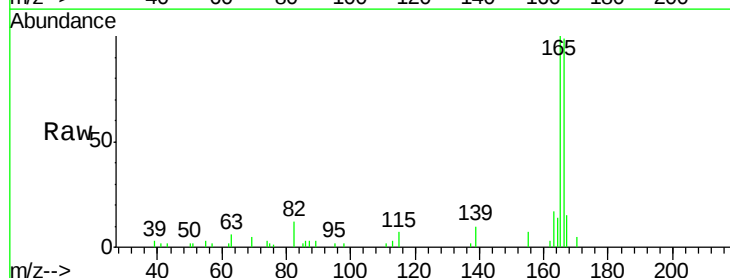
Tgt Ion:166 Resp: 19417

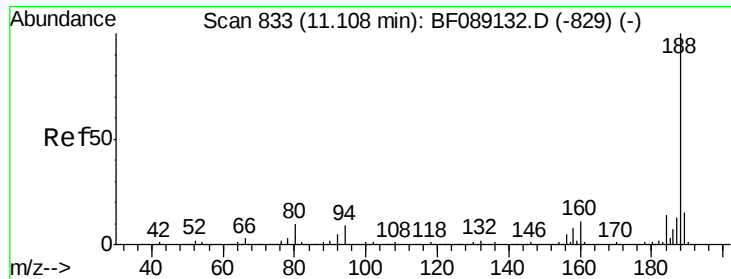
Ion Ratio Lower Upper

166 100

165 101.4 79.9 119.9

167 15.7 10.7 16.1





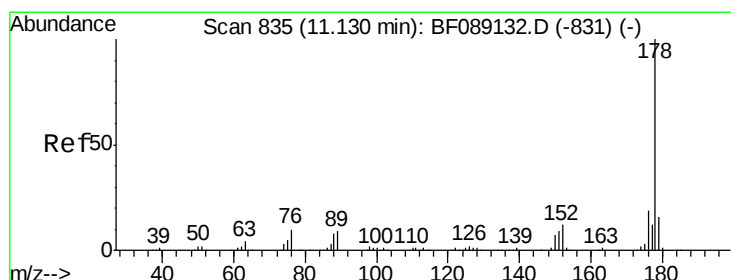
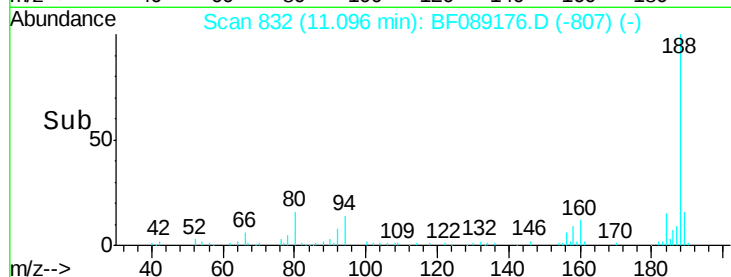
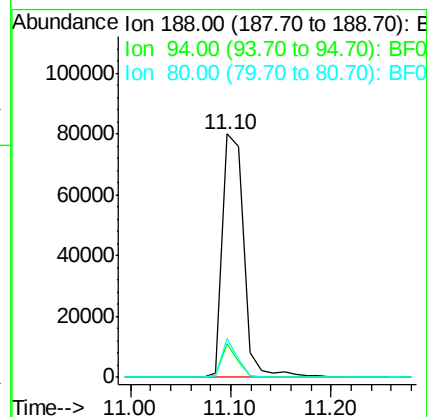
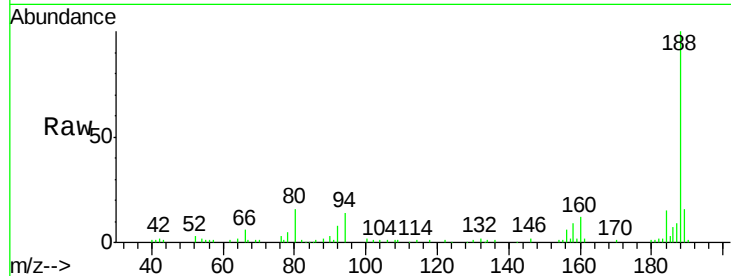
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Instrument :
BNA_F
ClientSampleId :
KSB-07-0.2-2.0

Tot Ion	Ratio	Lower	Upper
188	100		
94	13.7	7.0	10.4
80	16.0	7.7	11.5

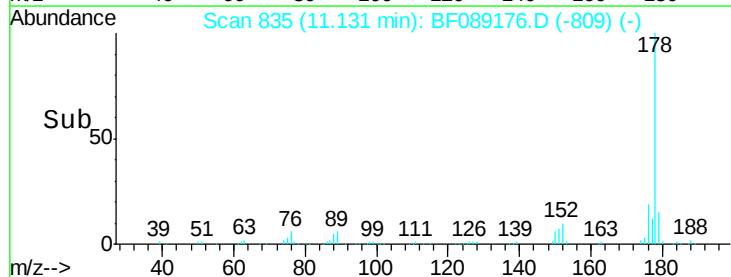
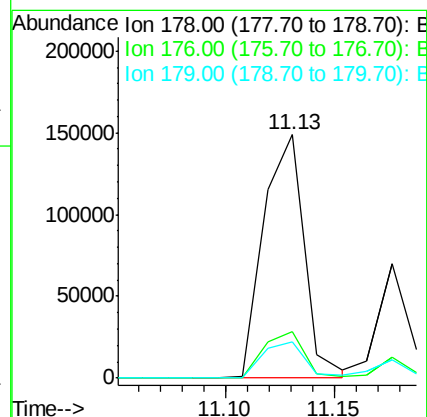
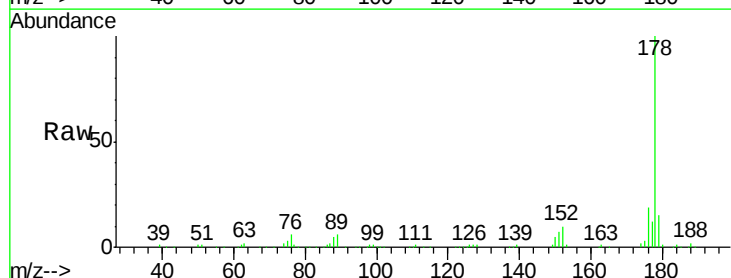
Manual Integrations

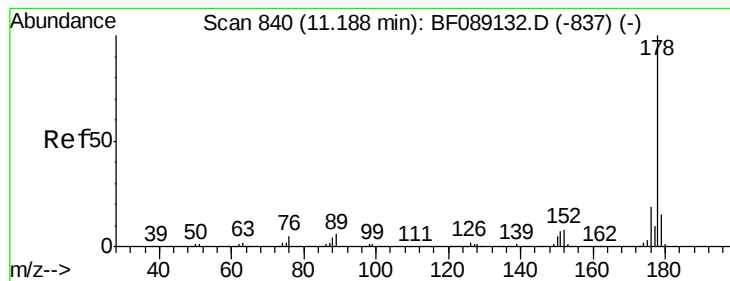
umangi
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#70
Phenanthrene
Concen: 30.15 ng
RT: 11.13 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	14.8	12.4	18.6





#71

Anthracene

Concen: 11.21 ng

RT: 11.18 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF089176.D

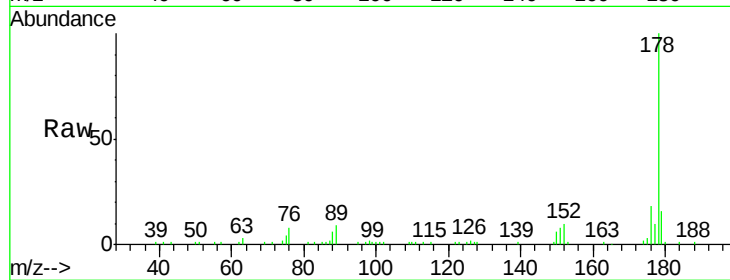
Acq: 21 Jul 2016 13:13

Instrument :

BNA_F

ClientSampleId :

KSB-07-0.2-2.0

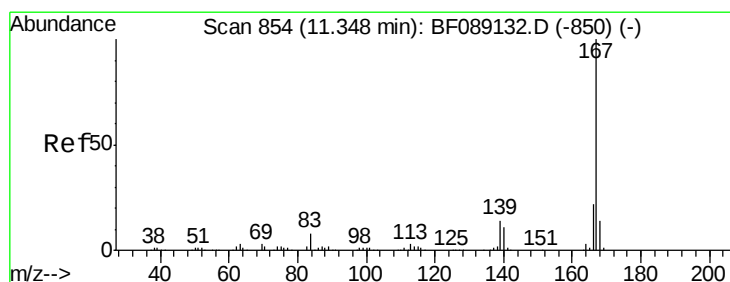
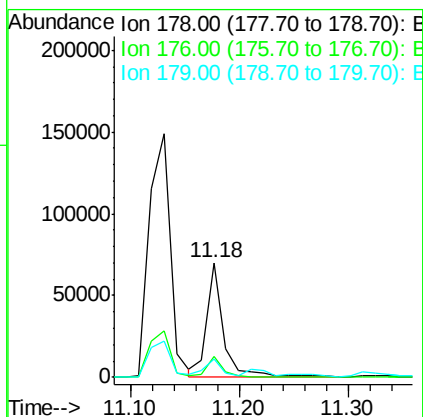


Tot Ion:	178	Resp:	75533
Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.9	22.3
179	15.7	12.0	18.0

Manual Integrations

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#72

Carbazole

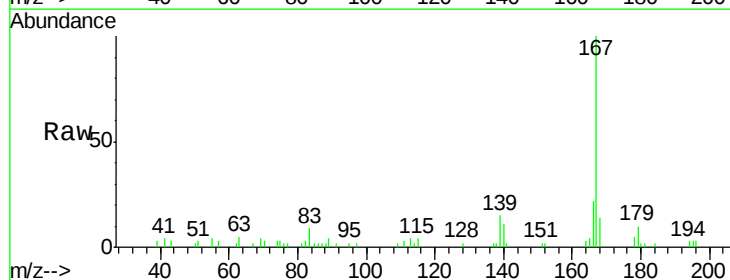
Concen: 4.03 ng

RT: 11.34 min Scan# 853

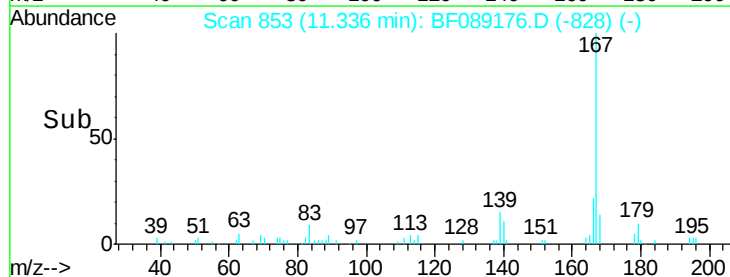
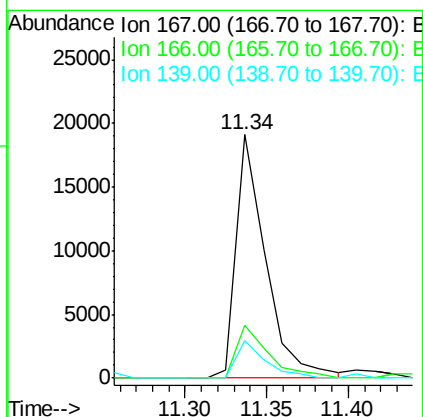
Delta R.T. -0.01 min

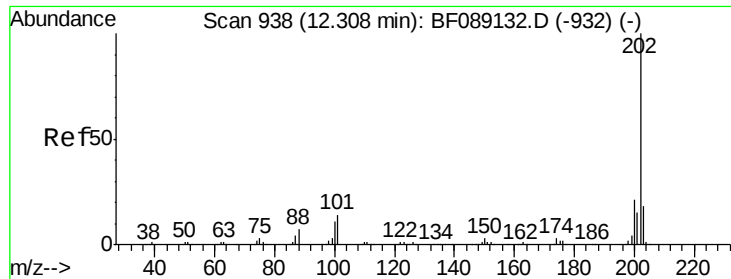
Lab File: BF089176.D

Acq: 21 Jul 2016 13:13



Tgt Ion:	167	Resp:	23855
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.7	26.5
139	15.2	11.0	16.4





#74

Fluoranthene

Concen: 41.12 ng

RT: 12.31 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF089176.D

Acq: 21 Jul 2016 13:13

Instrument :

BNA_F

ClientSampleId :

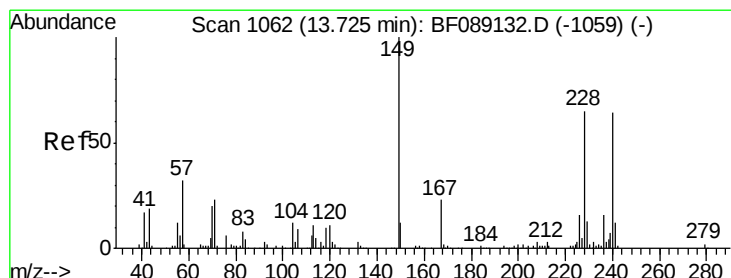
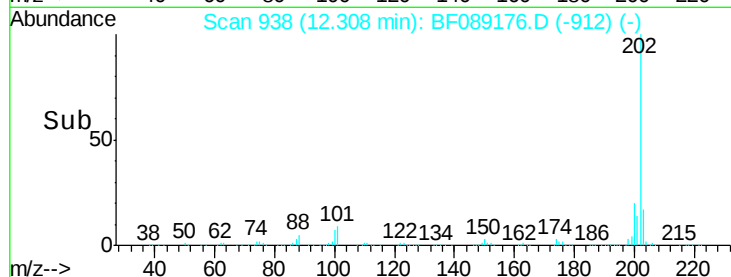
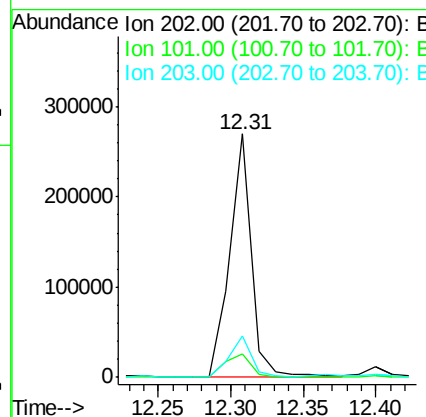
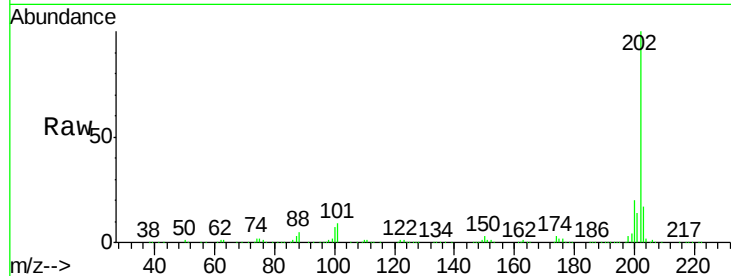
KSB-07-0.2-2.0

Tot Ion	Ratio	Resp	Lower	Upper
202	100	280262		
101	9.4	0.0	34.0	
203	17.2	0.0	37.8	

Manual Integrations

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#75

Chrysene-d12

Concen: 20.00 ng

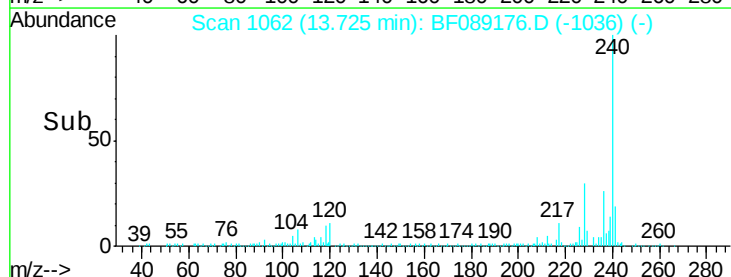
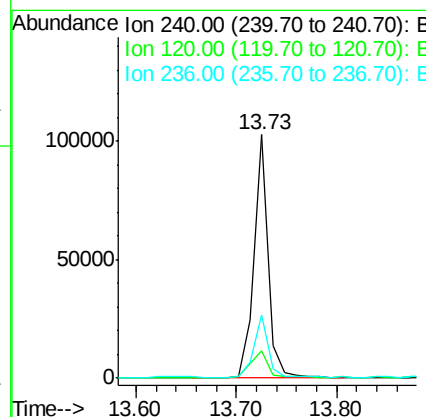
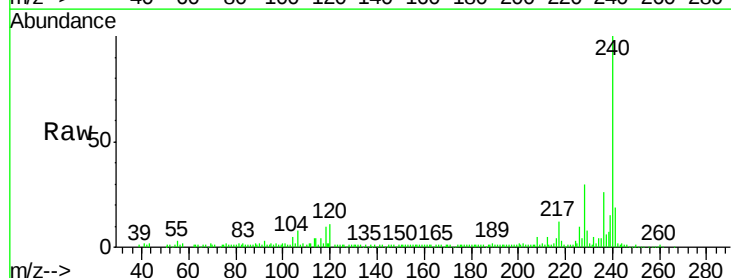
RT: 13.73 min Scan# 1062

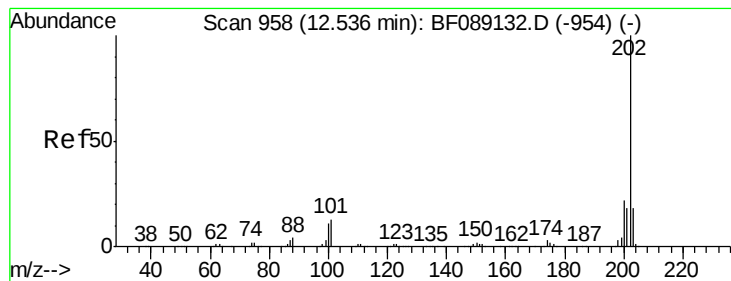
Delta R.T. 0.00 min

Lab File: BF089176.D

Acq: 21 Jul 2016 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	101478		
120	11.1	13.6	20.4#	
236	26.1	20.5	30.7	





#77

Pvrene

Concen: 28.00 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF089176.D

Acq: 21 Jul 2016 13:13

Instrument :

BNA_F

ClientSampleId :

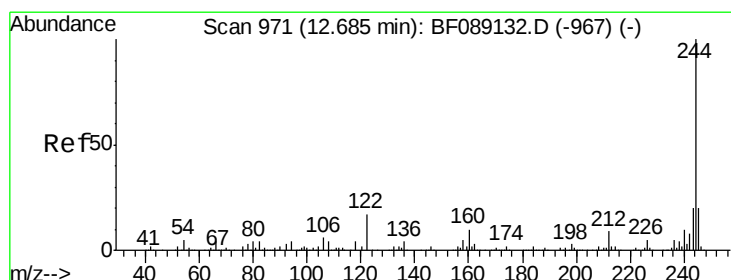
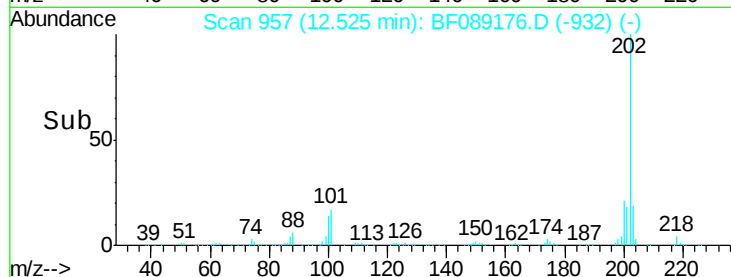
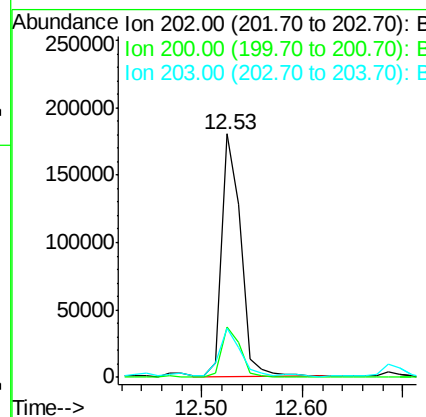
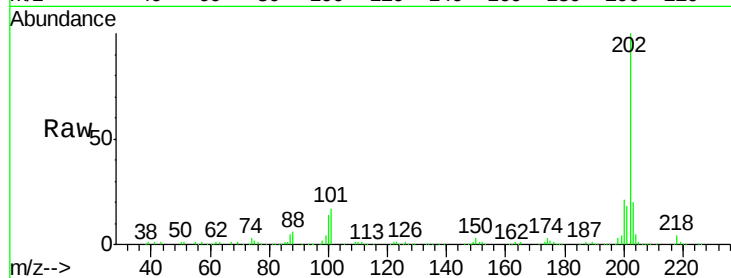
KSB-07-0.2-2.0

Tot Ion:	202	Resp:	234694
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.0
203	20.0	14.2	21.2

Manual Integrations

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#78

Terphenyl-d14

Concen: 62.08 ng

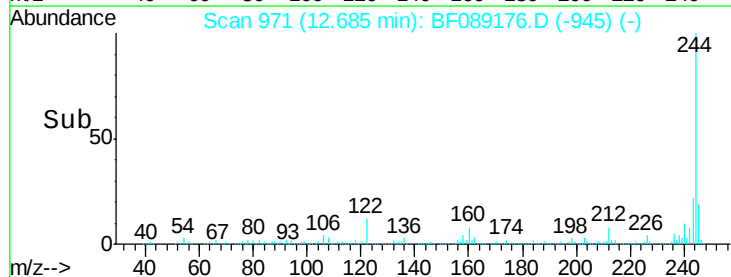
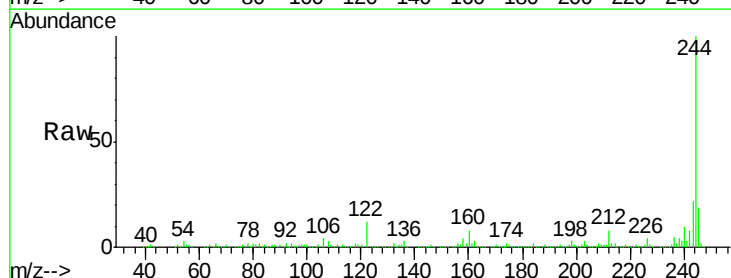
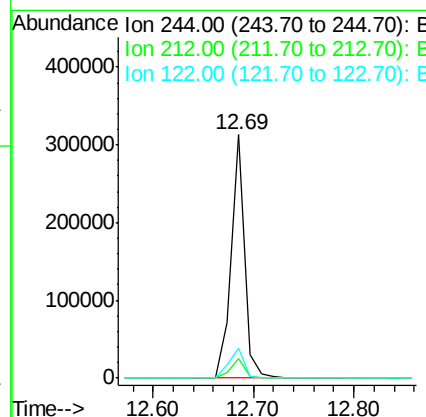
RT: 12.69 min Scan# 971

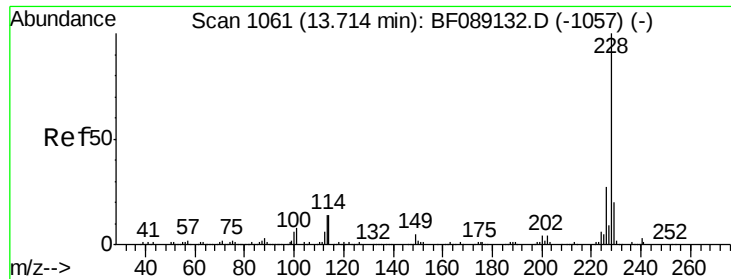
Delta R.T. 0.00 min

Lab File: BF089176.D

Acq: 21 Jul 2016 13:13

Tgt Ion:	244	Resp:	290466
Ion Ratio	Lower	Upper	
244	100		
212	7.9	7.0	10.4
122	12.1	13.8	20.8#





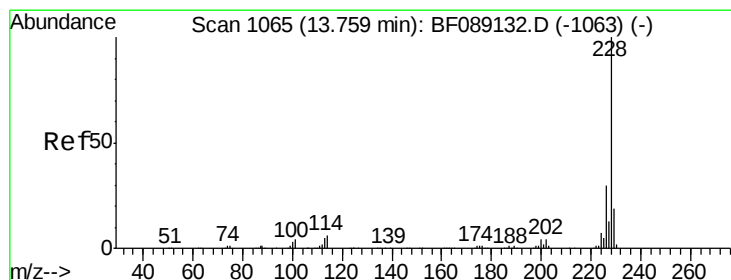
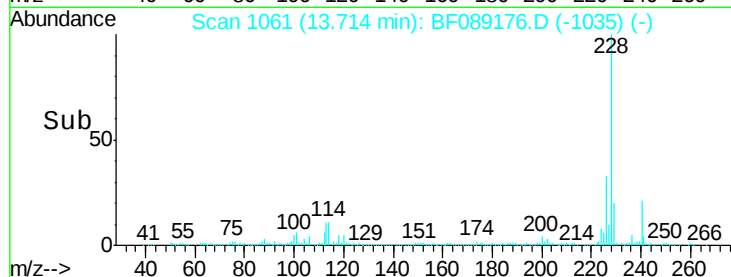
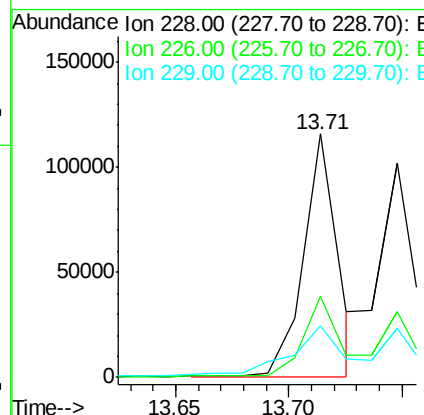
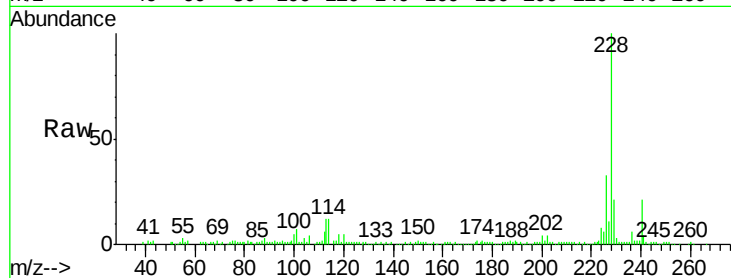
#80
Benzo(a)anthracene
Concen: 19.01 ng m
RT: 13.71 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Instrument :
BNA_F
ClientSampleId :
KSB-07-0.2-2.0

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.3	21.8	32.8
229	21.3	15.8	23.8

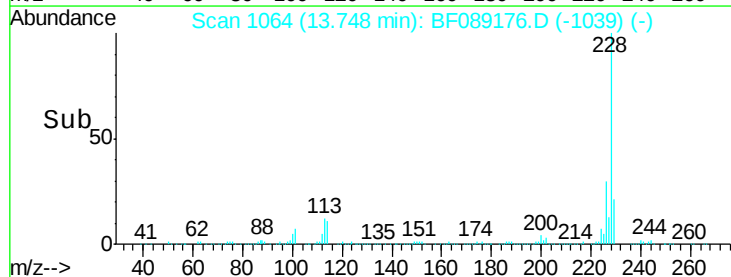
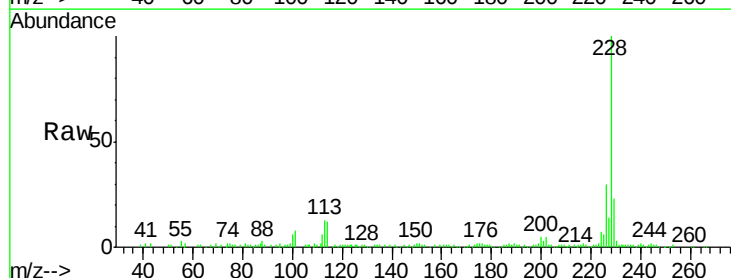
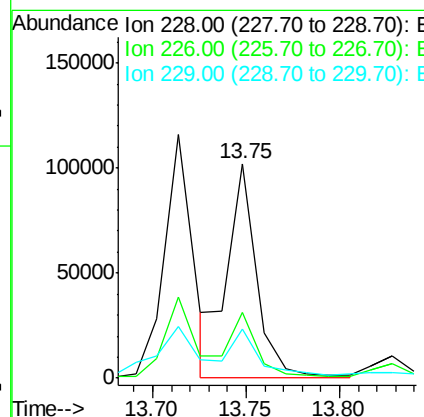
Manual Integrations

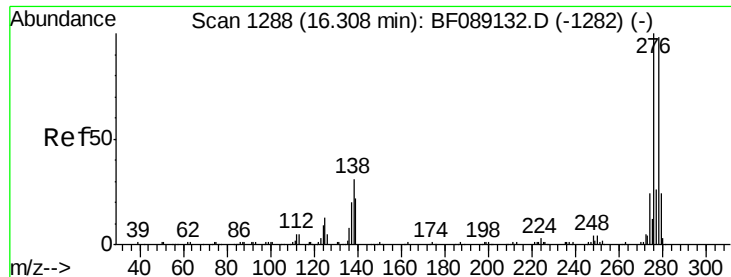
umangi
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#82
Chrysene
Concen: 18.28 ng m
RT: 13.75 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.8
229	23.0	15.4	23.0





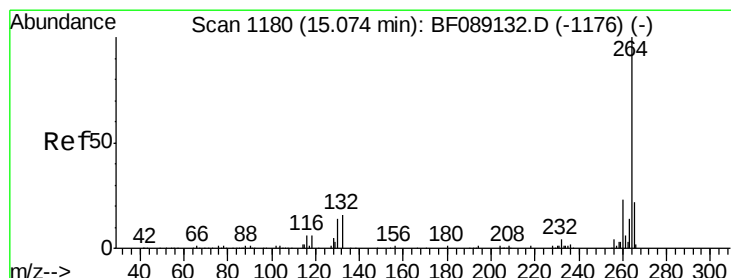
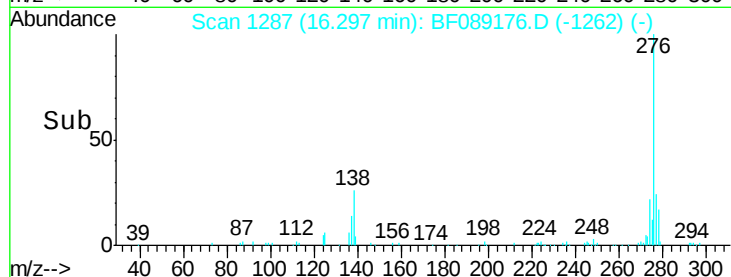
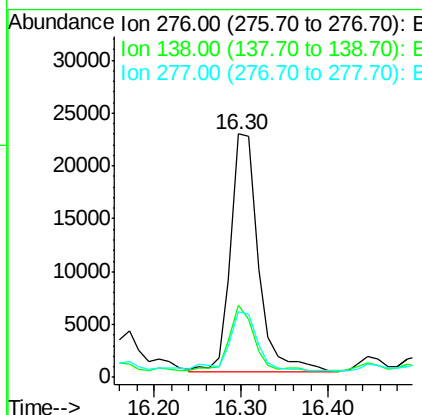
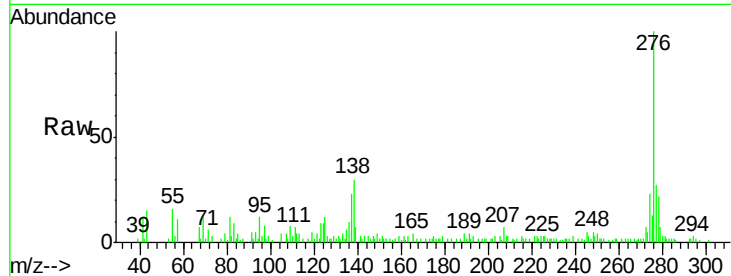
#85
Indeno(1,2,3-cd)pyrene
Concen: 11.11 ng
RT: 16.30 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Instrument :
BNA_F
ClientSampleId :
KSB-07-0.2-2.0

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	26.5	23.7	35.5	
277	25.8	20.6	31.0	

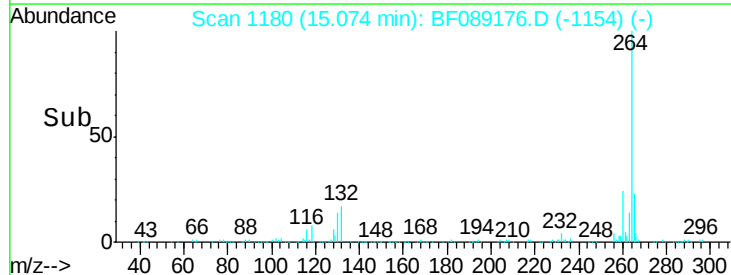
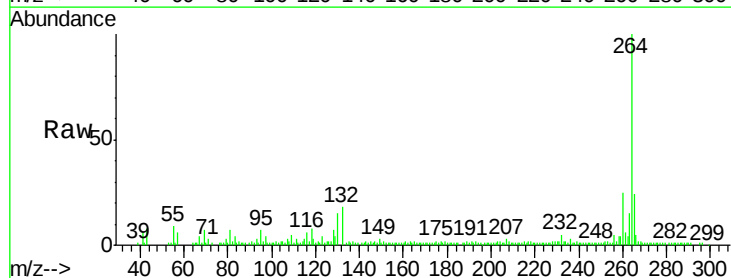
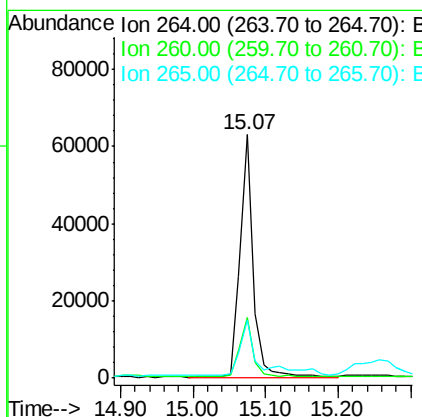
Manual Integrations

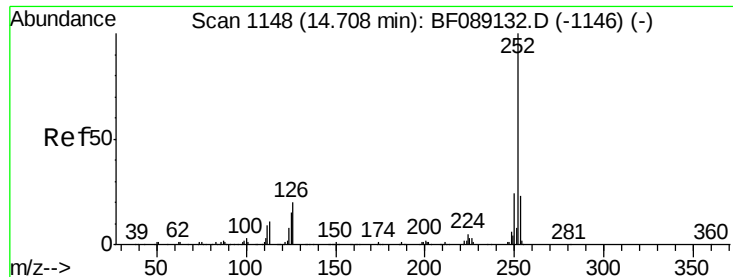
umangi
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Tgt Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.8	18.5	27.7	
265	23.7	17.3	25.9	





#87

Benzo(b)fluoranthene

Concen: 18.21 ng m

RT: 14.71 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BF089176.D

Acq: 21 Jul 2016 13:13

Instrument :

BNA_F

ClientSampleId :

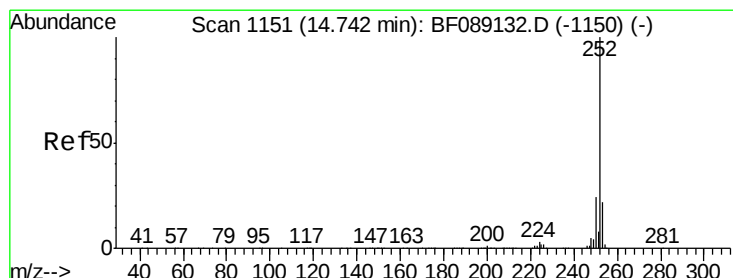
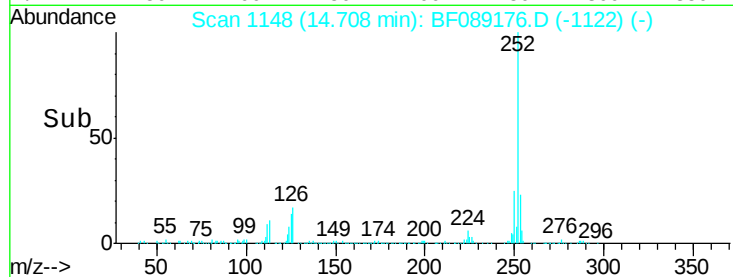
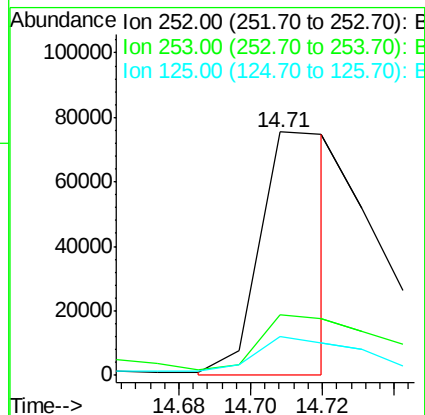
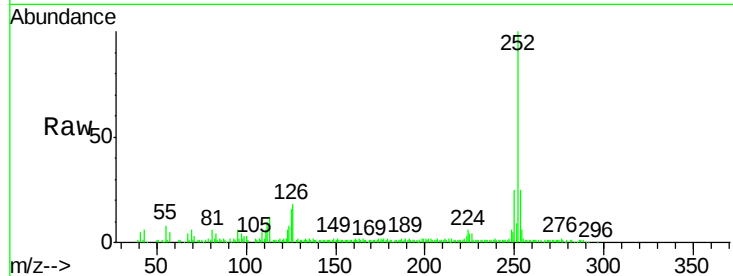
KSB-07-0.2-2.0

Tot Ion:	252	Resp:	108141
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.2	27.2
125	15.9	11.9	17.9

Manual Integrations

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#88

Benzo(k)fluoranthene

Concen: 13.96 ng m

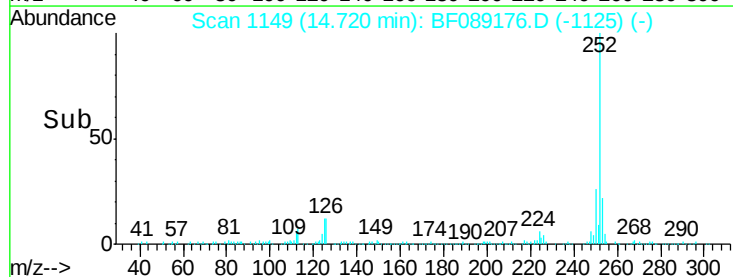
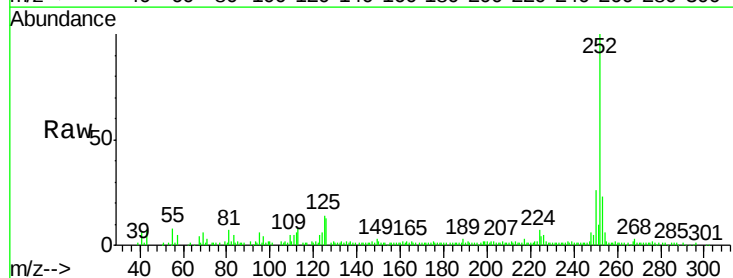
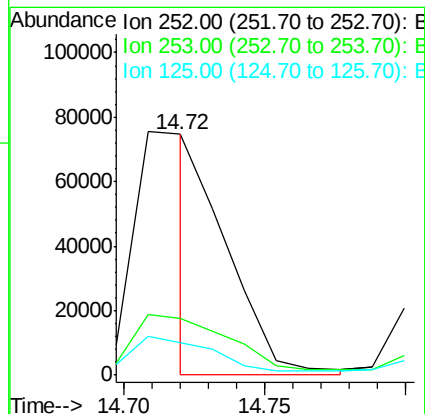
RT: 14.72 min Scan# 1149

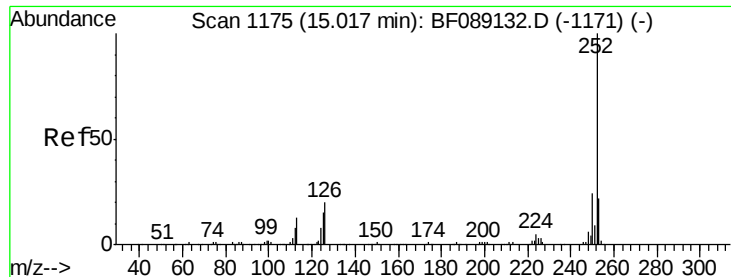
Delta R.T. -0.02 min

Lab File: BF089176.D

Acq: 21 Jul 2016 13:13

Tgt Ion:	252	Resp:	59269
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.3	25.9
125	13.7	6.3	9.5#





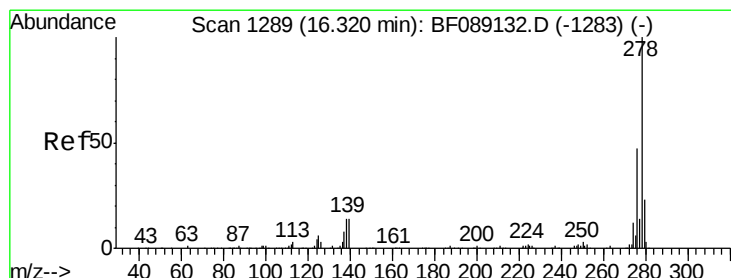
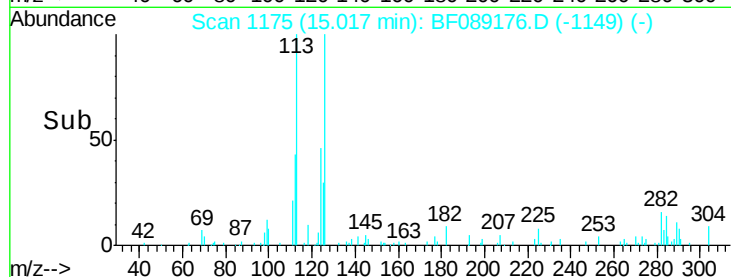
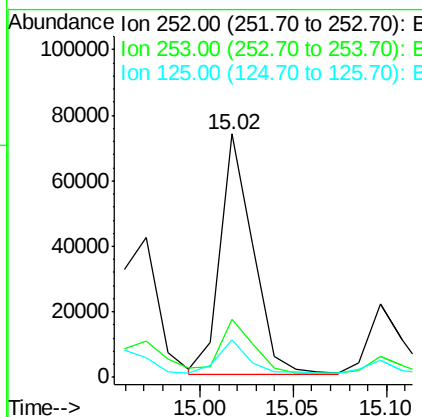
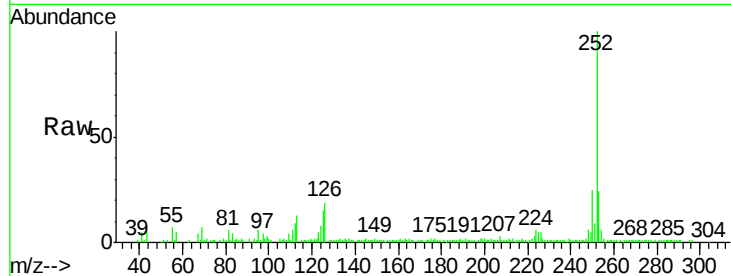
#89
Benzo(a)pyrene
Concen: 19.44 ng
RT: 15.02 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Instrument :
BNA_F
ClientSampleId :
KSB-07-0.2-2.0

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	15.2	12.4	18.6

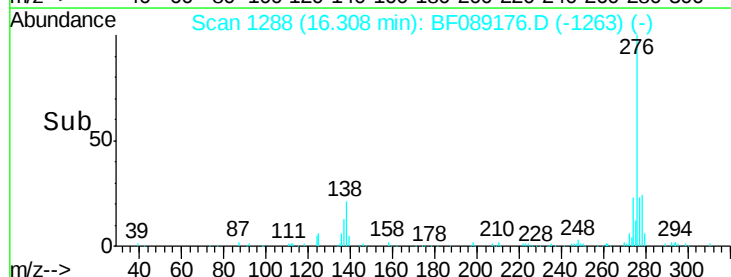
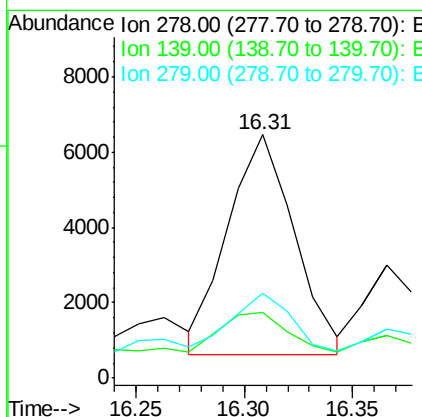
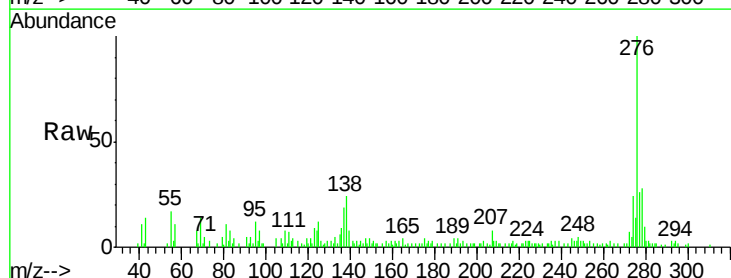
Manual Integrations

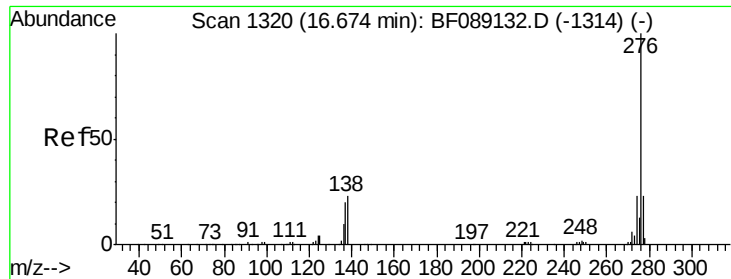
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#90
Dibenzo(a,h)anthracene
Concen: 3.44 ng m
RT: 16.31 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF089176.D
Acq: 21 Jul 2016 13:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.9	11.4	17.2#
279	35.1	18.4	27.6#





#91
 Benzo(a,h,i)perylene
 Concen: 12.28 ng
 RT: 16.66 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF089176.D
 Acq: 21 Jul 2016 13:13

Instrument :
 BNA_F
 ClientSampleId :
 KSB-07-0.2-2.0

Tot Ion:	276	Resp:	45057
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.5	27.7
138	27.7	18.5	27.7

Manual Integrations

umangi
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