

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089248.D
 Acq On : 23 Jul 2016 22:57
 Operator : UM/SJ
 Sample : H4129-16
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KMW-04-0.2-2.0

Manual Integrations

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Quant Time: Jul 25 04:46:19 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 03:29:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	49787	20.00	ng	0.00
21) Naphthalene-d8	7.86	136	206448	20.00	ng	-0.01
38) Acenaphthene-d10	9.61	164	95681	20.00	ng	0.00
63) Phenanthrene-d10	11.08	188	149470	20.00	ng	0.00
75) Chrysene-d12	13.71	240	94843	20.00	ng	0.00
86) Perylene-d12	15.06	264	101721	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	331256	101.19	ng	0.00
7) Phenol-d6	6.24	99	472332	111.89	ng	0.00
23) Nitrobenzene-d5	7.15	82	302011	77.73	ng	0.00
41) 2,4,6-Tribromophenol	10.40	330	76498	88.80	ng	0.00
44) 2-Fluorobiphenyl	8.95	172	513651	73.97	ng	0.00
78) Terphenyl-d14	12.66	244	273398	62.52	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.88	128	118303	10.62	ng	100
37) 2-Methylnaphthalene	8.58	142	97638	13.74	ng	100
48) Acenaphthylene	9.47	152	50986	4.95	ng	# 95
49) Dimethylphthalate	9.35	163	137861	18.78	ng	100
54) Dibenzofuran	9.82	168	29680	3.61	ng	# 89
70) Phenanthrene	11.11	178	122208	14.90	ng	99
71) Anthracene	11.16	178	66251	7.77	ng	96
74) Fluoranthene	12.29	202	342767	39.77	ng	99
77) Pyrene	12.51	202	335194	42.79	ng	98
80) Benzo(a)anthracene	13.70	228	244338m	40.45	ng	
82) Chrysene	13.74	228	210960m	36.56	ng	
85) Indeno(1,2,3-cd)pyrene	16.29	276	172770	41.23	ng	97
87) Benzo(b)fluoranthene	14.71	252	294595m	39.99	ng	
88) Benzo(k)fluoranthene	14.71	252	160701m	30.50	ng	
89) Benzo(a)pyrene	15.01	252	267723	46.81	ng	96
90) Dibenzo(a,h)anthracene	16.29	278	47482	10.51	ng	# 73
91) Benzo(g,h,i)perylene	16.65	276	162476	35.68	ng	96

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

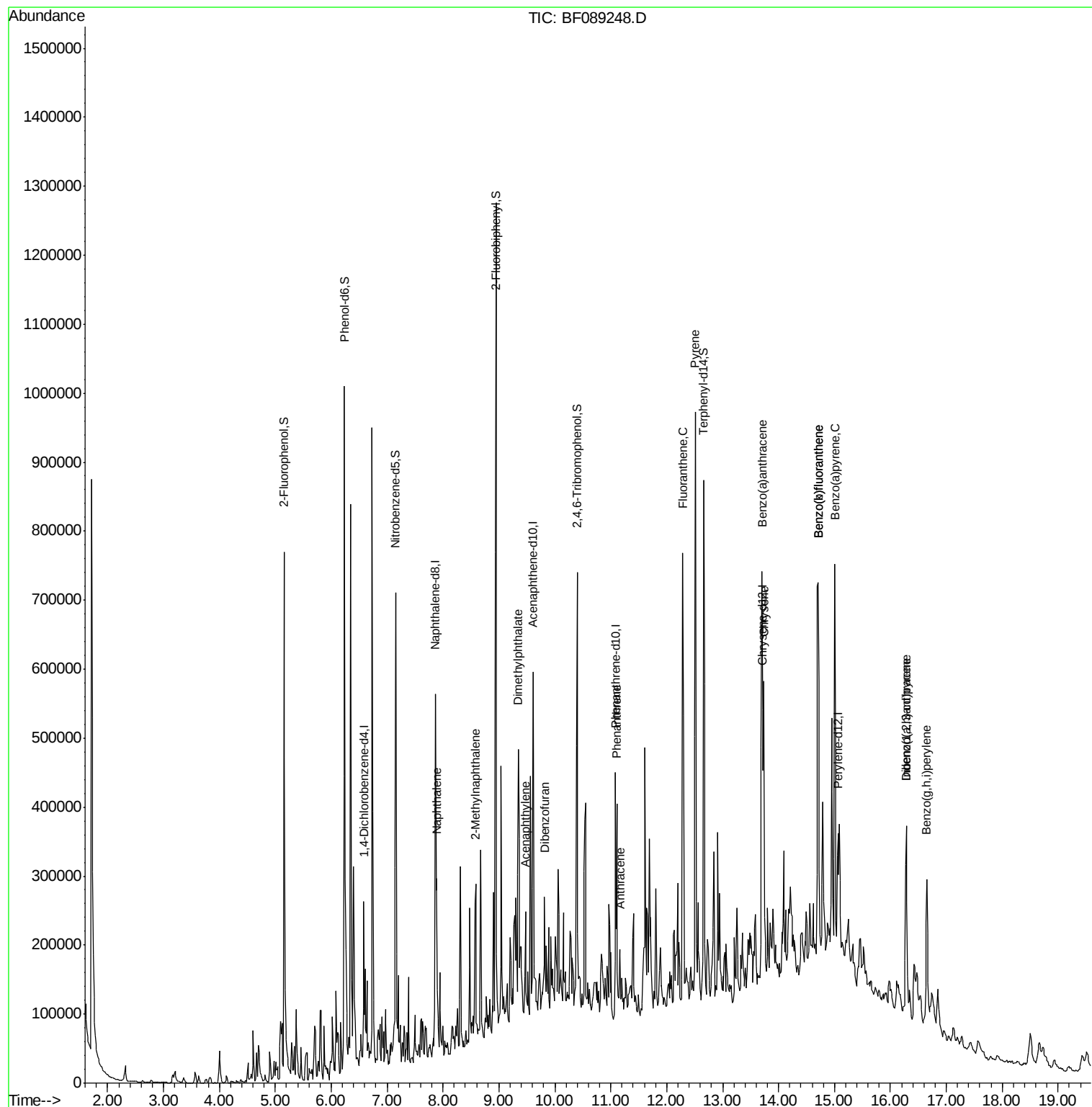
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
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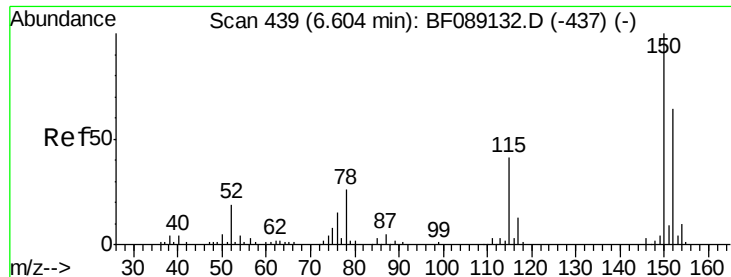
Instrument :
BNA_F
ClientSampleId :
KMW-04-0.2-2.0

Manual Integrations

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Quant Time: Jul 25 04:46:19 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
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#1

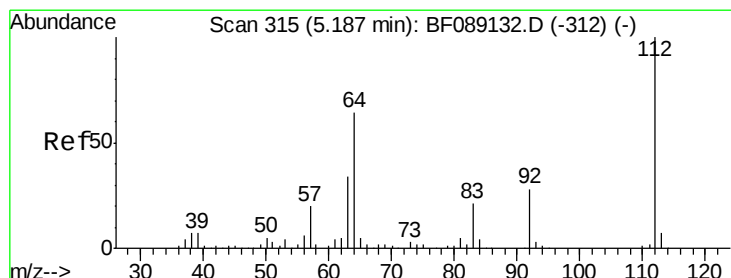
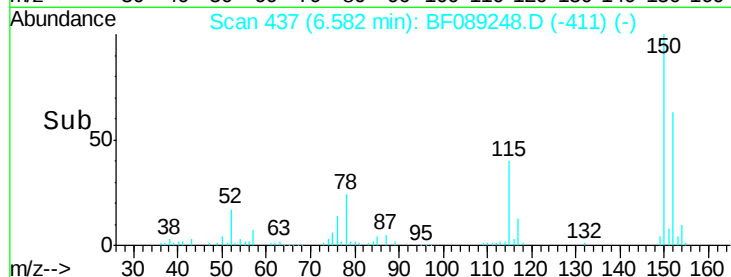
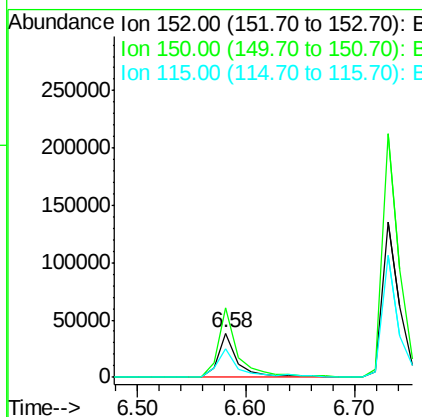
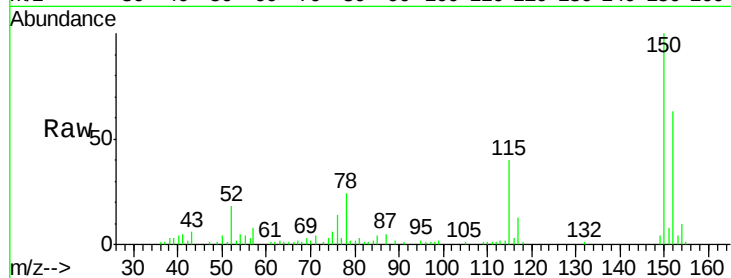
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 437
Delta R.T. 0.00 min
Lab File: BF089248.D
Acq: 23 Jul 2016 22:57

Instrument :
BNA_F
ClientSampleId :
KMW-04-0.2-2.0

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.9	125.1	187.7
115	64.0	51.1	76.7

Manual Integrations

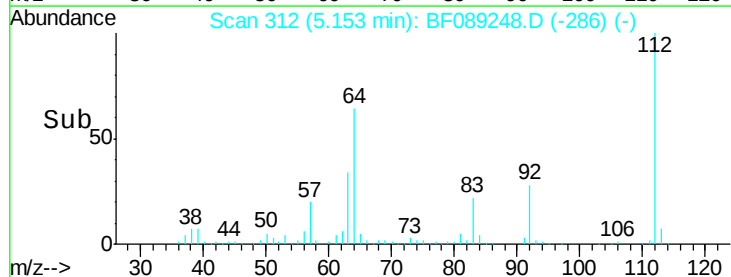
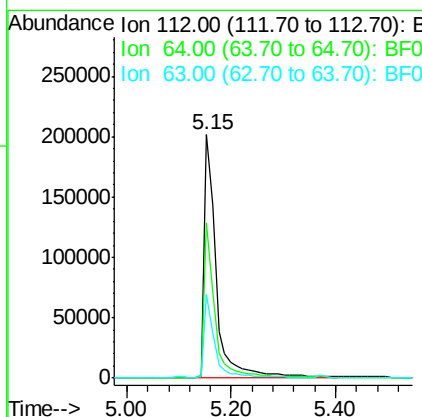
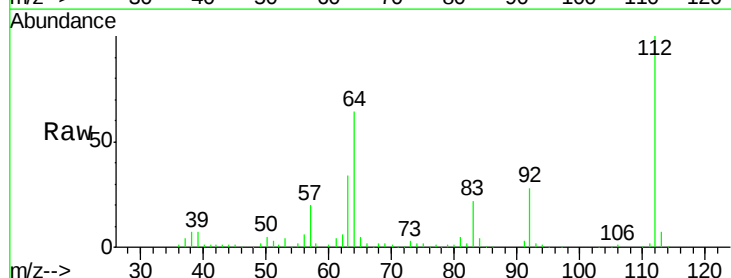
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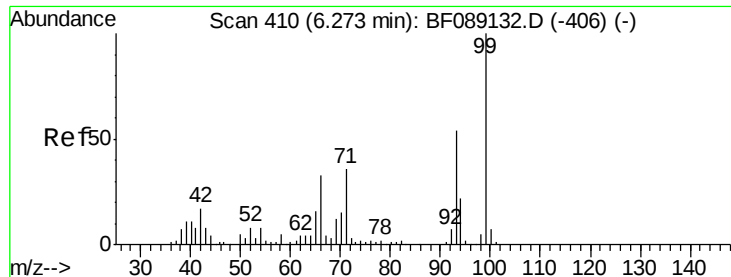


#5

2-Fluorophenol
Concen: 101.19 ng
RT: 5.15 min Scan# 312
Delta R.T. 0.00 min
Lab File: BF089248.D
Acq: 23 Jul 2016 22:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	51.0	76.4
63	34.3	27.3	40.9





#7

Phenol-d6

Concen: 111.89 ng

RT: 6.24 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF089248.D

Acq: 23 Jul 2016 22:57

Instrument :

BNA_F

ClientSampleId :

KMW-04-0.2-2.0

Tgt Ion: 99 Resp: 472332

Ion Ratio Lower Upper

99 100

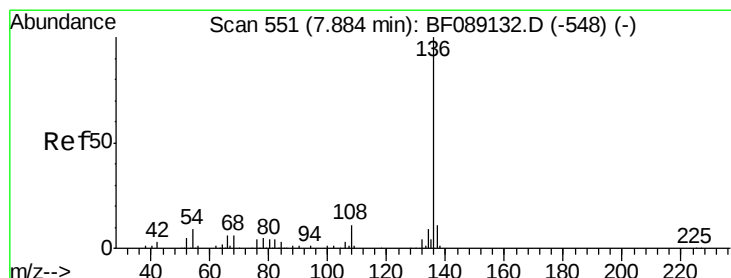
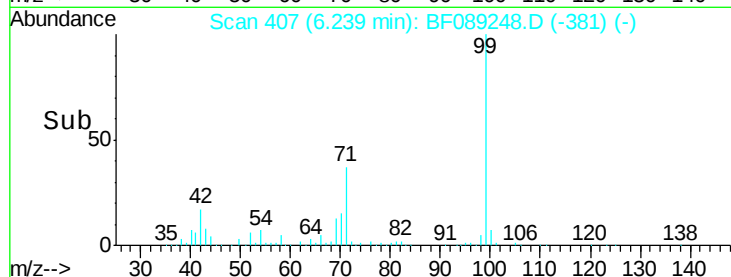
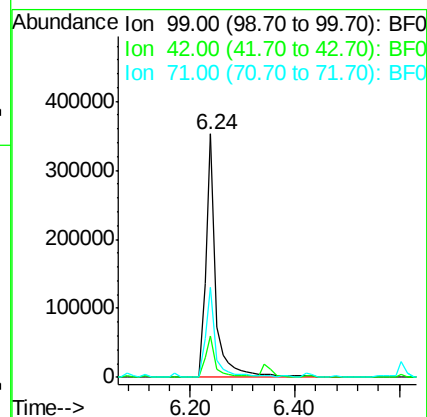
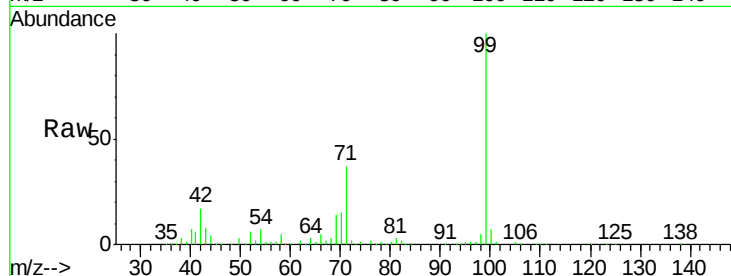
42 17.1 13.5 20.3

71 36.9 28.9 43.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.01 min

Lab File: BF089248.D

Acq: 23 Jul 2016 22:57

Tgt Ion: 136 Resp: 206448

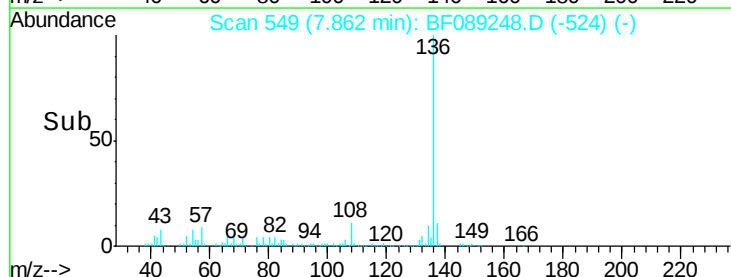
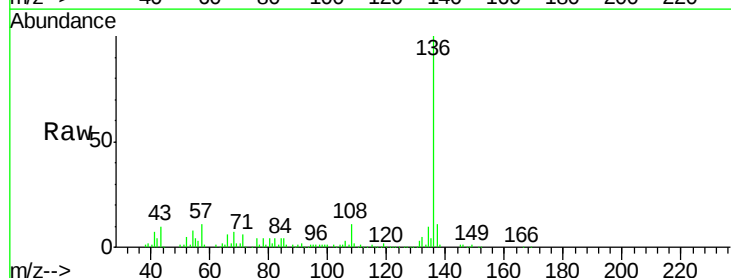
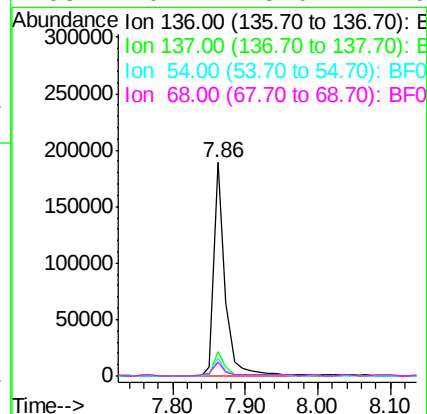
Ion Ratio Lower Upper

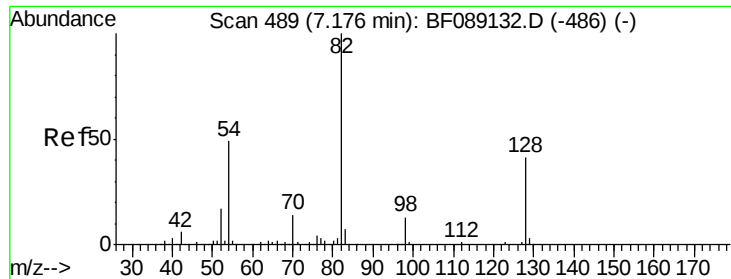
136 100

137 11.2 8.8 13.2

54 8.4 7.0 10.4

68 6.7 5.0 7.6





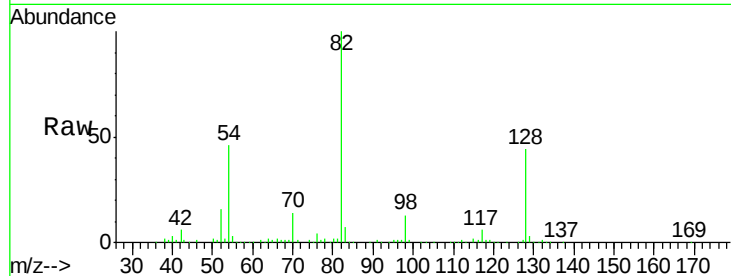
#23
 Nitrobenzene-d5
 Concen: 77.73 ng
 RT: 7.15 min Scan# 487
 Delta R.T. 0.00 min
 Lab File: BF089248.D
 Acq: 23 Jul 2016 22:57

Instrument :
 BNA_F
 ClientSampleId :
 KMW-04-0.2-2.0

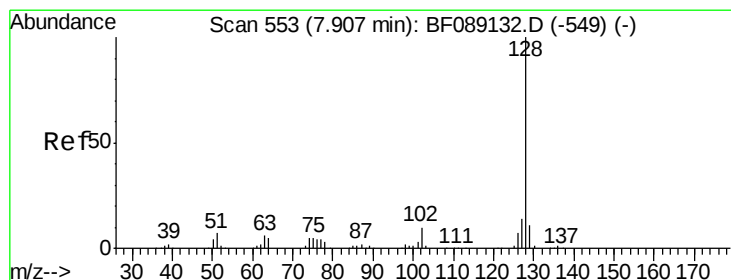
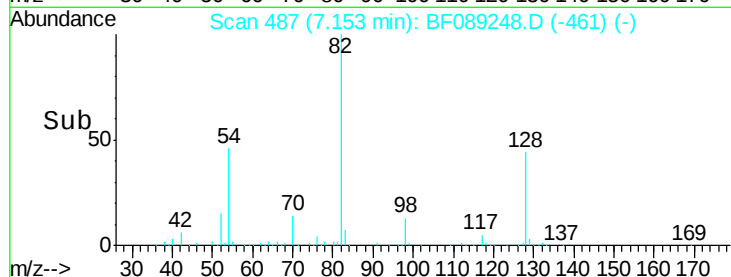
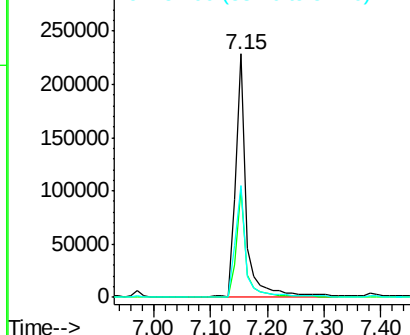
Tgt Ion	82	Resp	302011
Ion Ratio	100	Lower	Upper
82	100		
128	44.1	33.0	49.6
54	45.7	39.0	58.4

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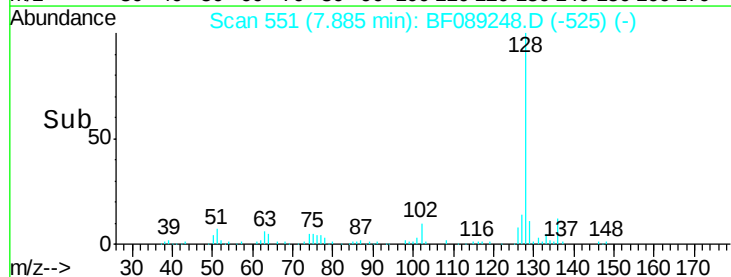
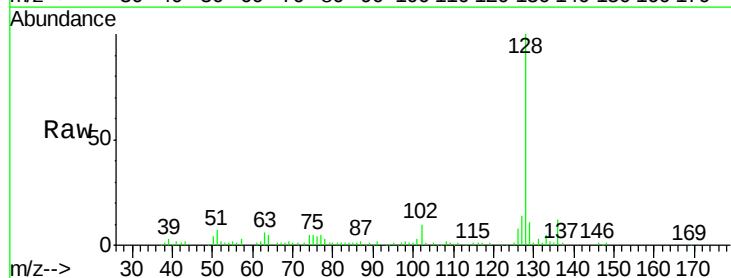
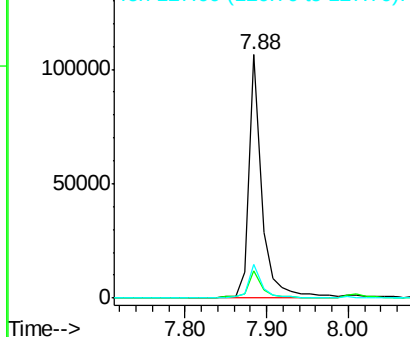
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

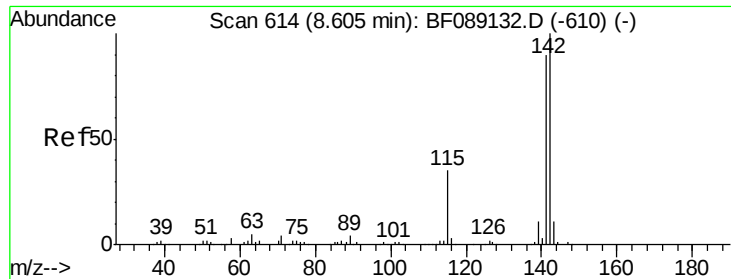


#31
 Naphthalene
 Concen: 10.62 ng
 RT: 7.88 min Scan# 551
 Delta R.T. 0.00 min
 Lab File: BF089248.D
 Acq: 23 Jul 2016 22:57

Tgt Ion	128	Resp	118303
Ion Ratio	100	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.6	10.8	16.2

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





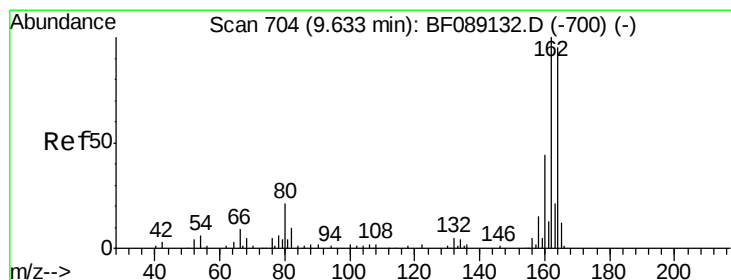
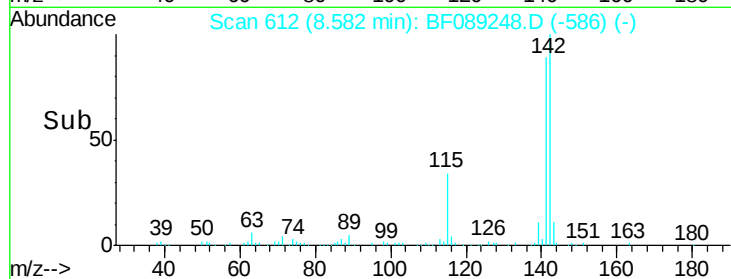
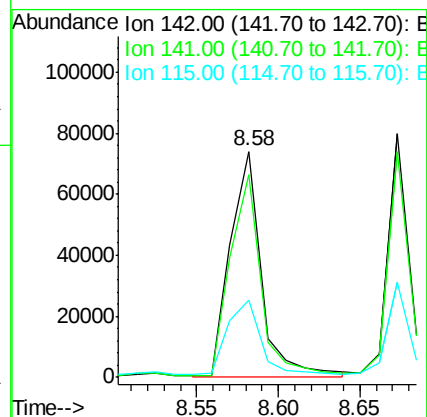
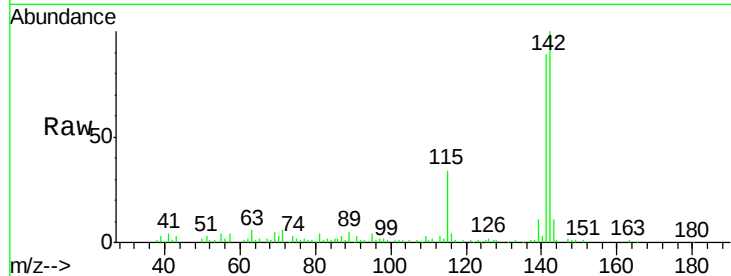
#37
 2-Methylnaphthalene
 Concen: 13.74 ng
 RT: 8.58 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: BF089248.D
 Acq: 23 Jul 2016 22:57

Instrument :
 BNA_F
 ClientSampleId :
 KMW-04-0.2-2.0

Tgt Ion:142 Resp: 97638
 Ion Ratio Lower Upper
 142 100
 141 89.4 71.6 107.4
 115 34.3 27.6 41.4

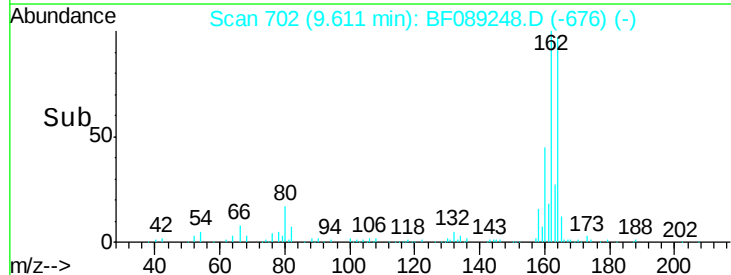
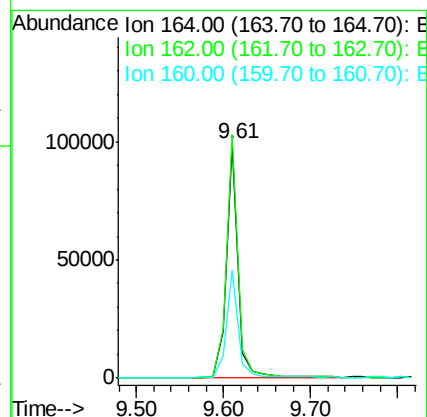
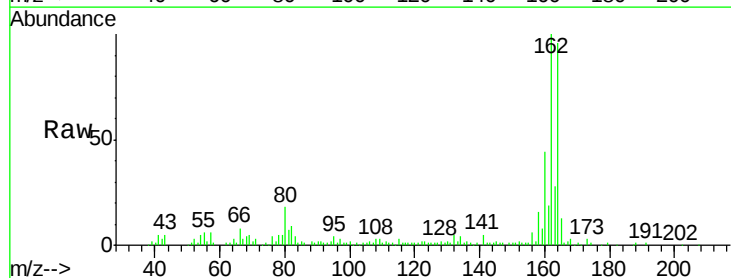
Manual Integrations

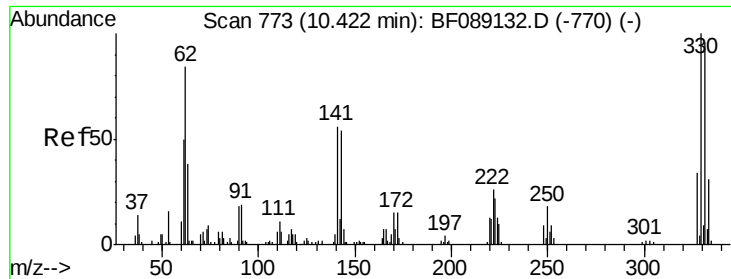
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: BF089248.D
 Acq: 23 Jul 2016 22:57

Tgt Ion:164 Resp: 95681
 Ion Ratio Lower Upper
 164 100
 162 104.2 84.1 126.1
 160 46.2 37.1 55.7





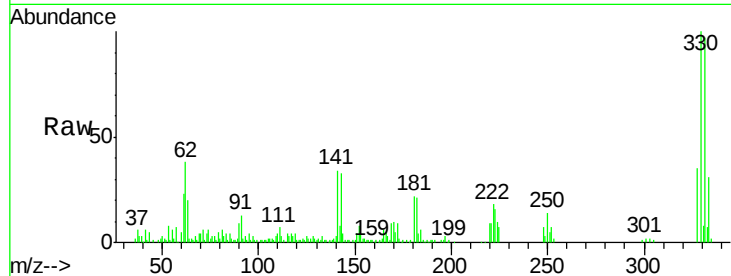
#41
 2,4,6-Tribromophenol
 Concen: 88.80 ng
 RT: 10.40 min Scan# 771
 Delta R.T. 0.00 min
 Lab File: BF089248.D
 Acq: 23 Jul 2016 22:57

Instrument :
 BNA_F
 ClientSampleId :
 KMW-04-0.2-2.0

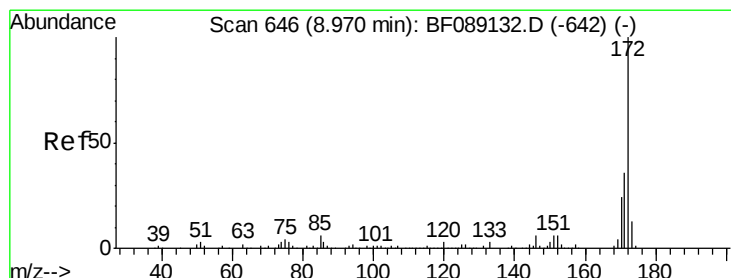
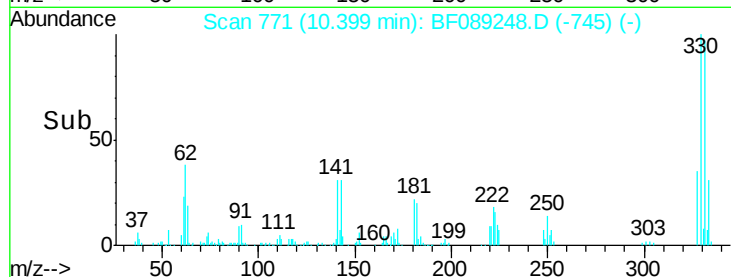
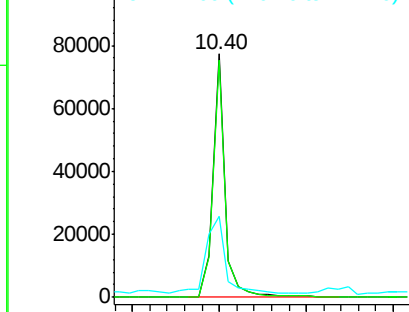
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.2	115.8
141	51.2	42.2	63.2

Manual Integrations

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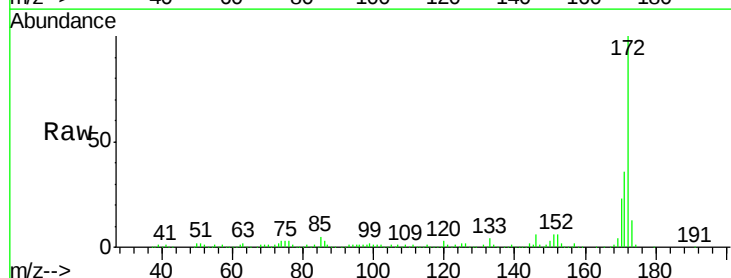


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

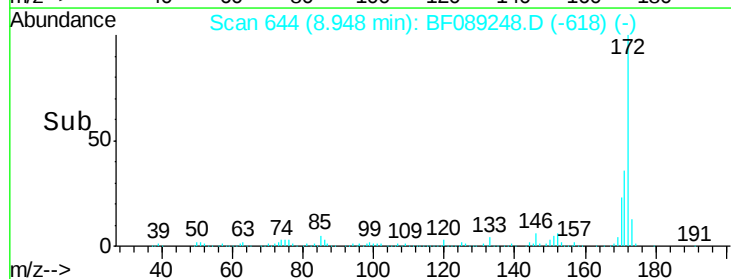
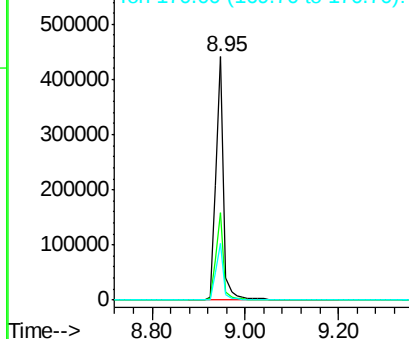


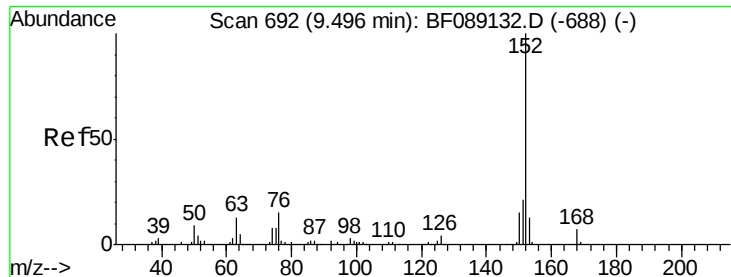
#44
 2-Fluorobiphenyl
 Concen: 73.97 ng
 RT: 8.95 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: BF089248.D
 Acq: 23 Jul 2016 22:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.2	43.8
170	23.3	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





#48

Acenaphthylene

Concen: 4.95 ng

RT: 9.47 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF089248.D

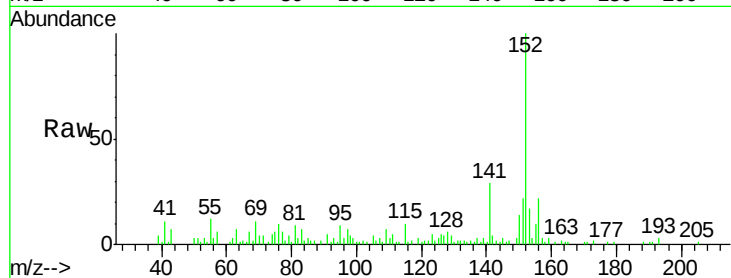
Acq: 23 Jul 2016 22:57

Instrument :

BNA_F

ClientSampleId :

KMW-04-0.2-2.0



Tgt Ion:152 Resp: 50986

Ion Ratio Lower Upper

152 100

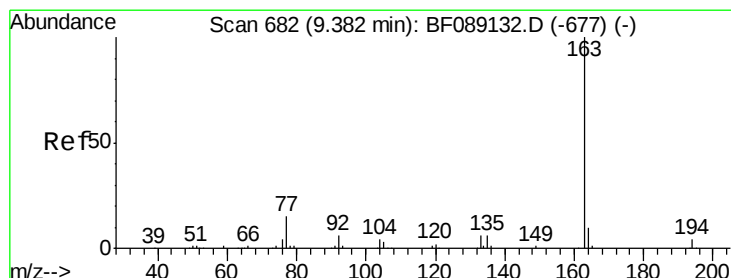
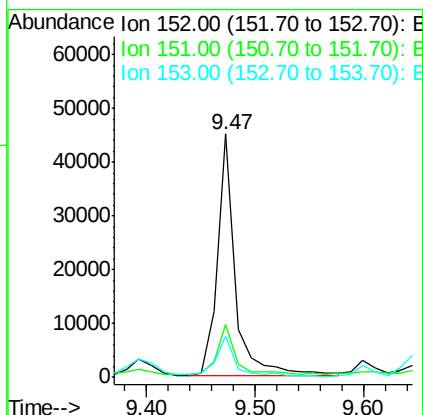
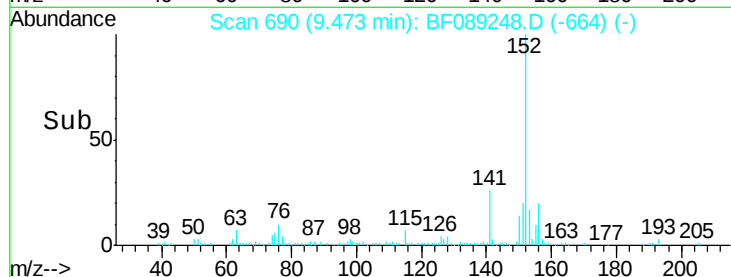
151 21.7 16.5 24.7

153 17.0 10.7 16.1#

Manual Integrations

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#49

Dimethylphthalate

Concen: 18.78 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF089248.D

Acq: 23 Jul 2016 22:57

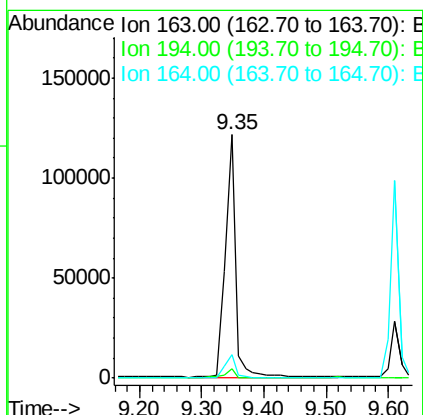
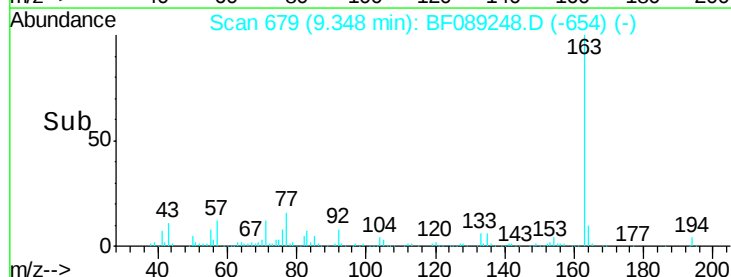
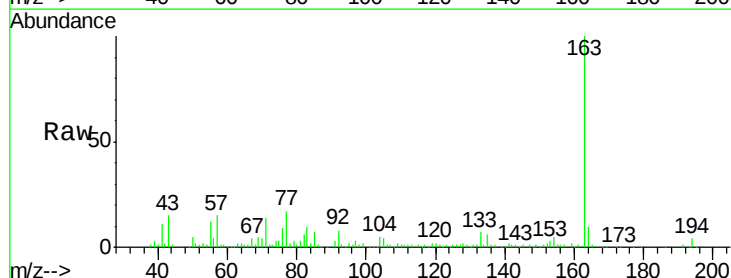
Tgt Ion:163 Resp: 137861

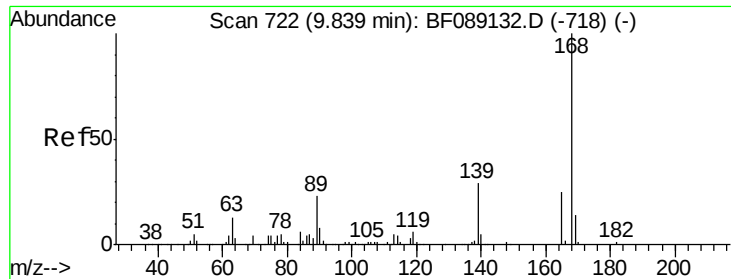
Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

164 9.7 7.6 11.4





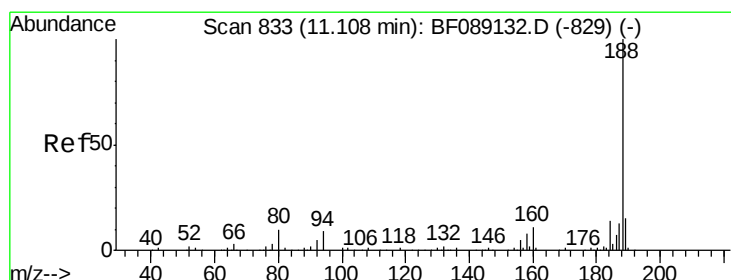
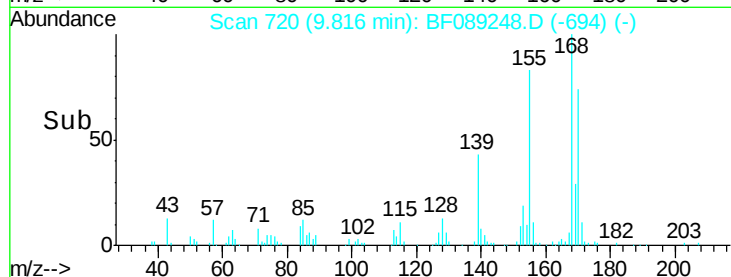
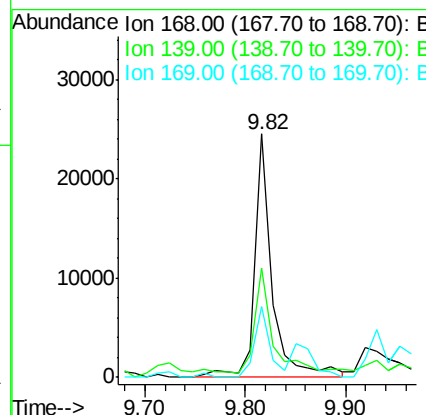
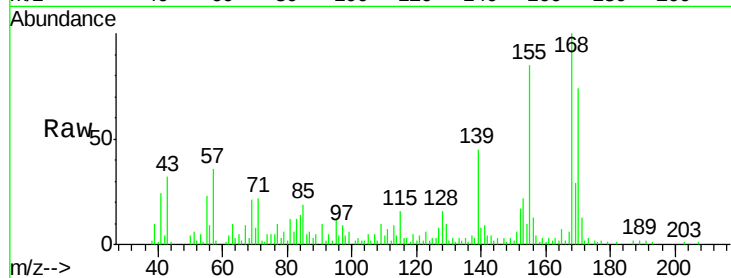
#54
Dibenzenofuran
Concen: 3.61 ng
RT: 9.82 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF089248.D
Acq: 23 Jul 2016 22:57

Instrument :
BNA_F
ClientSampleId :
KMW-04-0.2-2.0

Tgt Ion	Ratio	Lower	Upper
168	100		
139	44.6	34.4	51.6
169	29.1	10.8	16.2

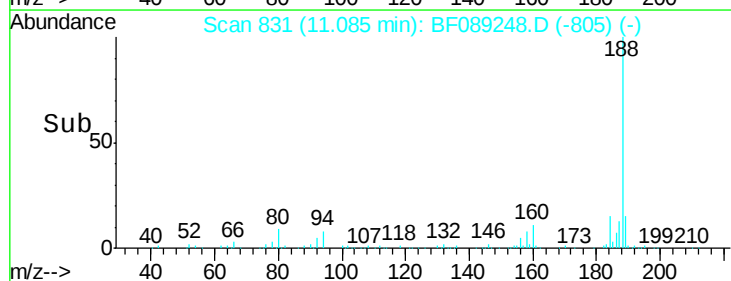
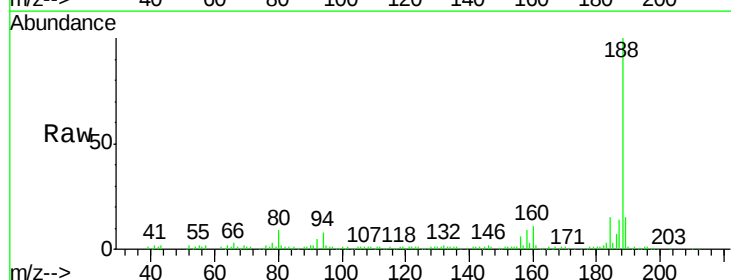
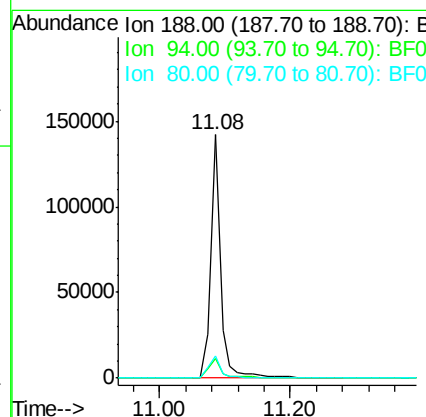
Manual Integrations

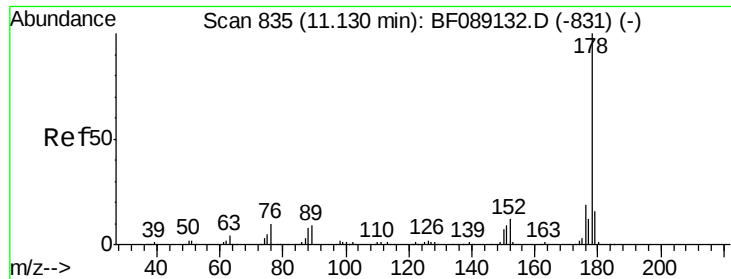
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.08 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF089248.D
Acq: 23 Jul 2016 22:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.0	10.4
80	9.1	7.7	11.5





#70

Phenanthrene

Concen: 14.90 ng

RT: 11.11 min Scan# 833

Delta R.T. 0.00 min

Lab File: BF089248.D

Acq: 23 Jul 2016 22:57

Instrument :

BNA_F

ClientSampleId :

KMW-04-0.2-2.0

Tgt Ion:178 Resp: 122208

Ion Ratio Lower Upper

178 100

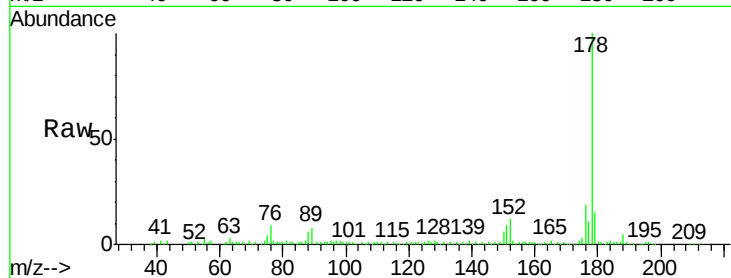
176 18.9 15.6 23.4

179 15.5 12.4 18.6

Manual Integrations

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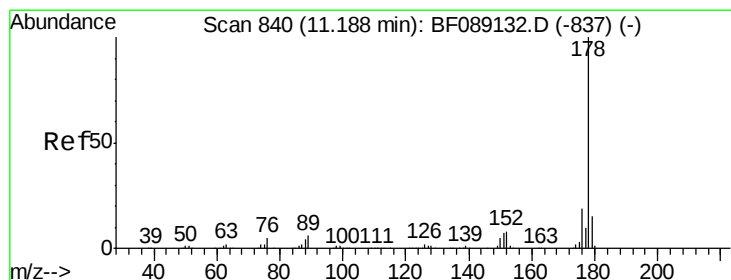
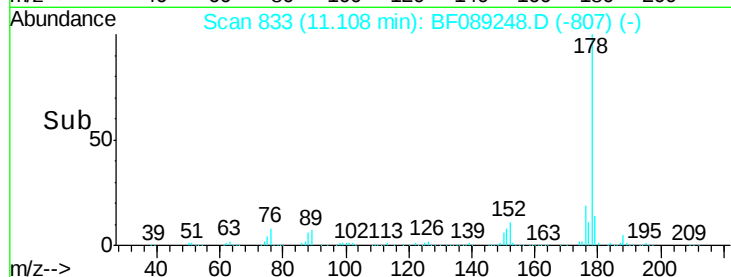
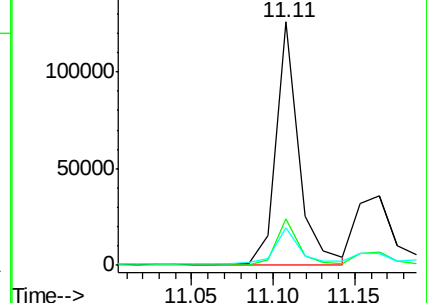
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 7.77 ng

RT: 11.16 min Scan# 838

Delta R.T. 0.00 min

Lab File: BF089248.D

Acq: 23 Jul 2016 22:57

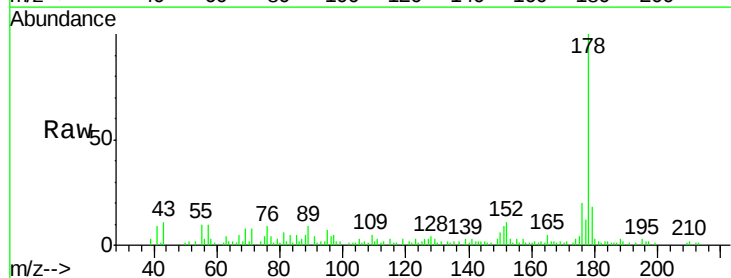
Tgt Ion:178 Resp: 66251

Ion Ratio Lower Upper

178 100

176 19.6 14.9 22.3

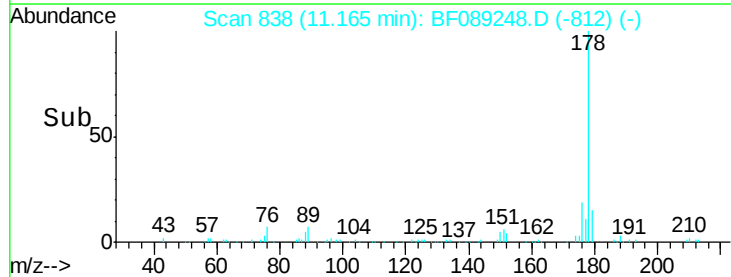
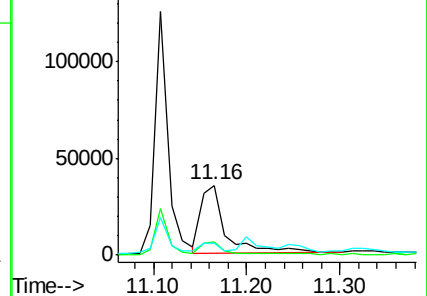
179 17.5 12.0 18.0

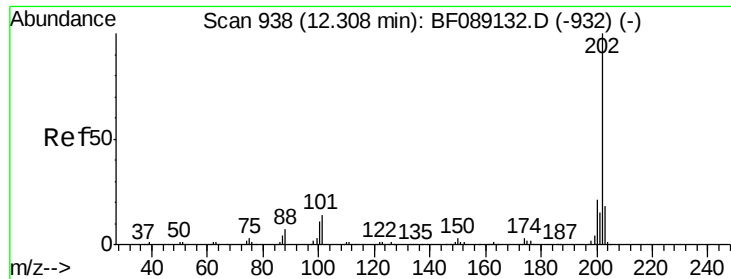


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 39.77 ng

RT: 12.29 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF089248.D

Acq: 23 Jul 2016 22:57

Instrument :

BNA_F

ClientSampleId :

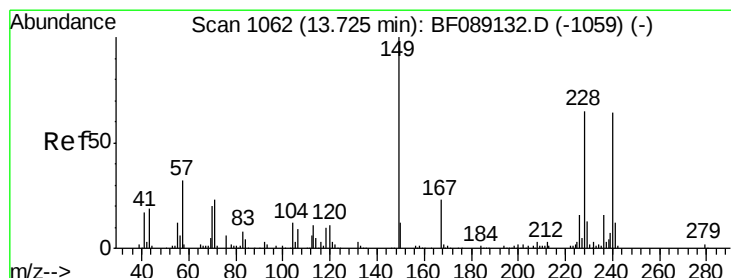
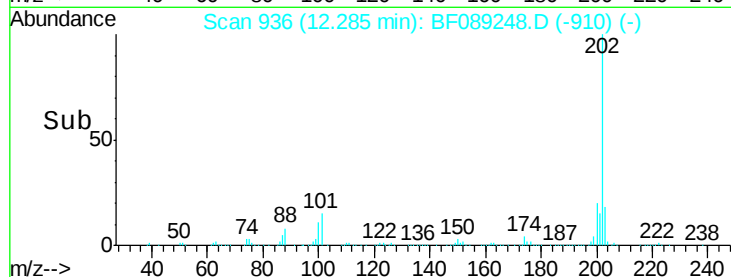
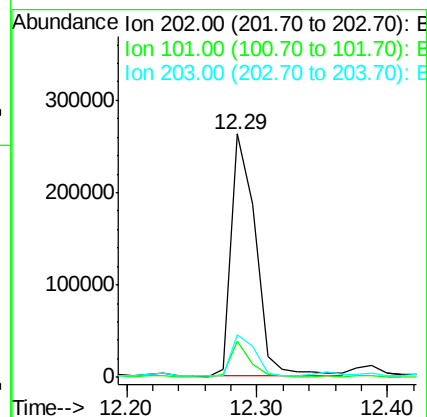
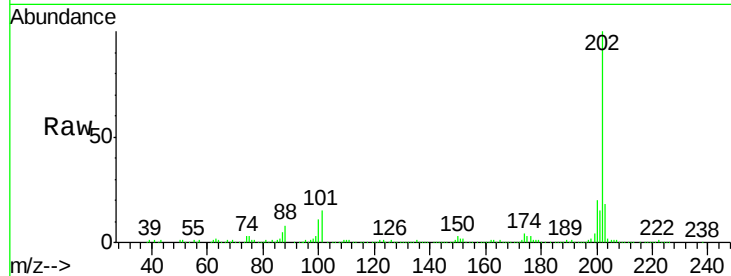
KMW-04-0.2-2.0

Tgt	Ion	202	Resp:	342767
Ion	Ratio	Lower	Upper	
202	100			
101	15.0	0.0	34.0	
203	17.7	0.0	37.8	

Manual Integrations

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#75

Chrysene-d12

Concen: 20.00 ng

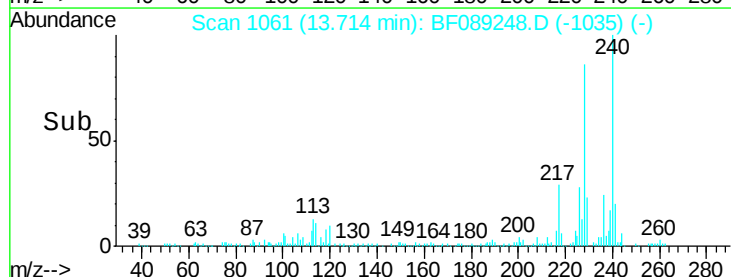
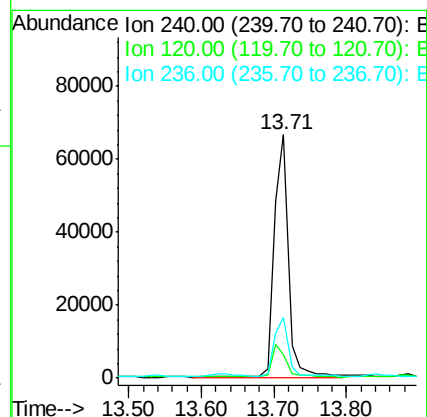
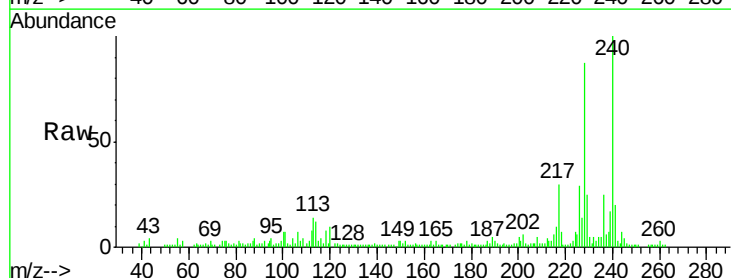
RT: 13.71 min Scan# 1061

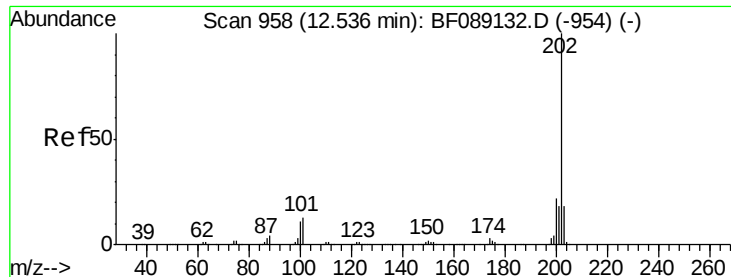
Delta R.T. 0.00 min

Lab File: BF089248.D

Acq: 23 Jul 2016 22:57

Tgt	Ion	240	Resp:	94843
Ion	Ratio	Lower	Upper	
240	100			
120	9.5	13.6	20.4#	
236	24.9	20.5	30.7	





#77

Pyrene

Concen: 42.79 ng

RT: 12.51 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF089248.D

Acq: 23 Jul 2016 22:57

Instrument :

BNA_F

ClientSampleId :

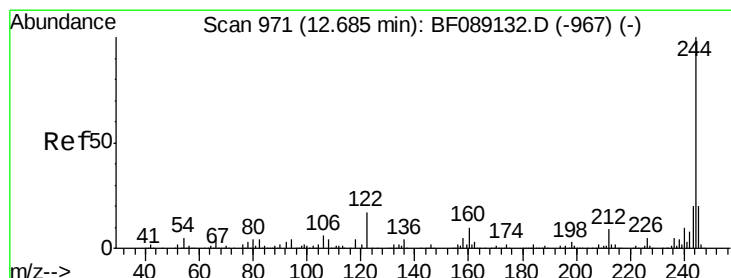
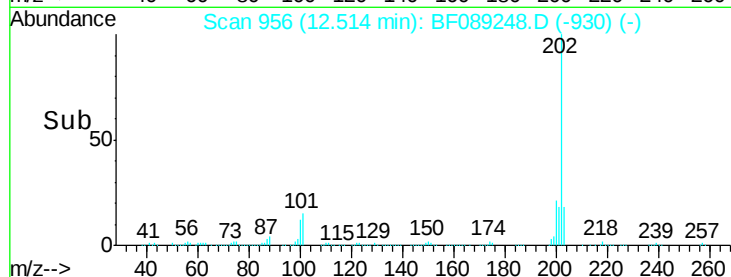
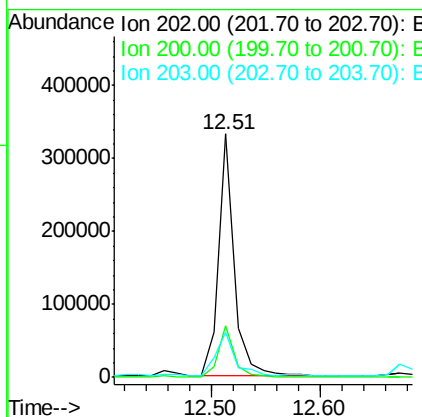
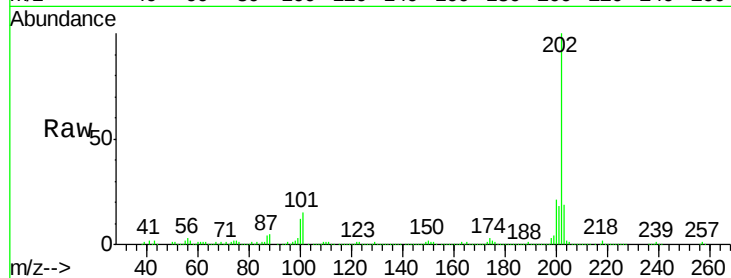
KMW-04-0.2-2.0

Tgt Ion:	202	Resp:	335194
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.0
203	18.6	14.2	21.2

Manual Integrations

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#78

Terphenyl-d14

Concen: 62.52 ng

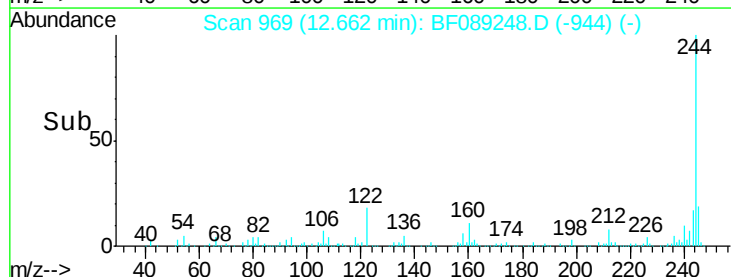
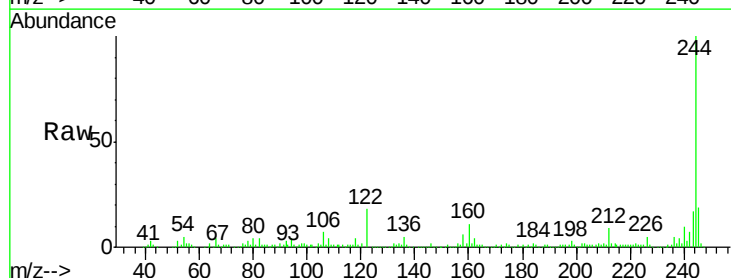
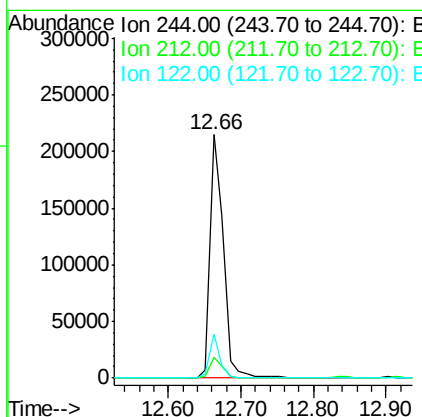
RT: 12.66 min Scan# 969

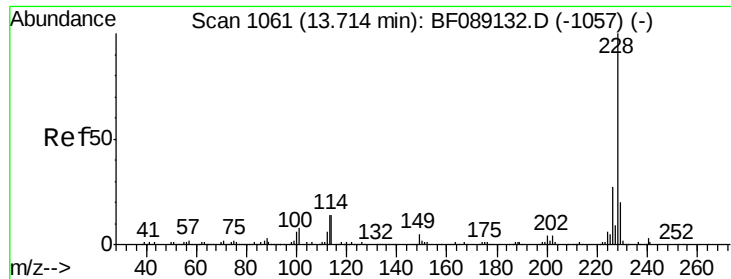
Delta R.T. -0.01 min

Lab File: BF089248.D

Acq: 23 Jul 2016 22:57

Tgt Ion:	244	Resp:	273398
Ion Ratio	Lower	Upper	
244	100		
212	8.6	7.0	10.4
122	17.9	13.8	20.8





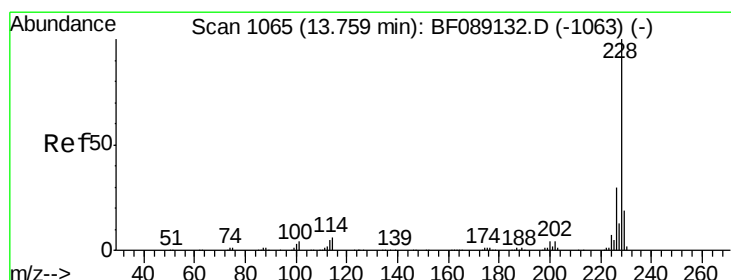
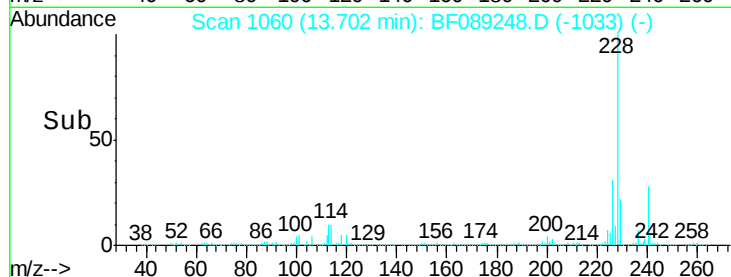
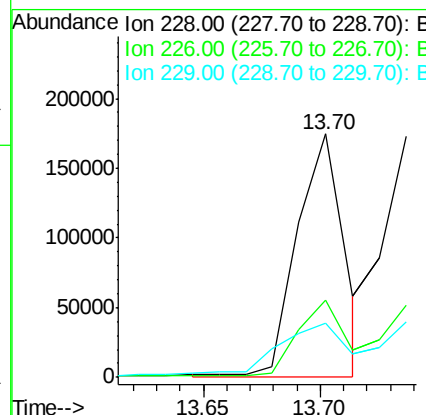
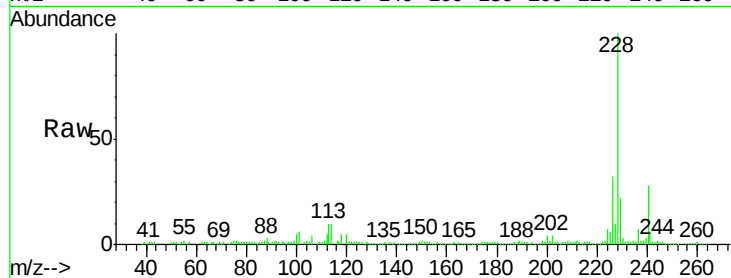
#80
Benzo(a)anthracene
Concen: 40.45 ng m
RT: 13.70 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BF089248.D
Acq: 23 Jul 2016 22:57

Instrument :
BNA_F
ClientSampleId :
KMW-04-0.2-2.0

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	21.8	32.8
229	22.3	15.8	23.8

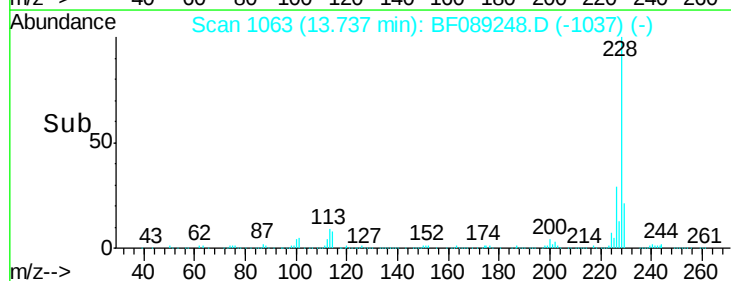
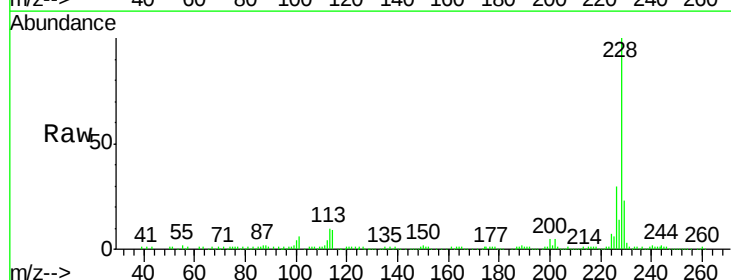
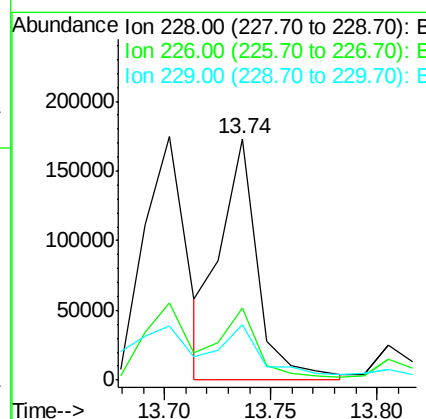
Manual Integrations

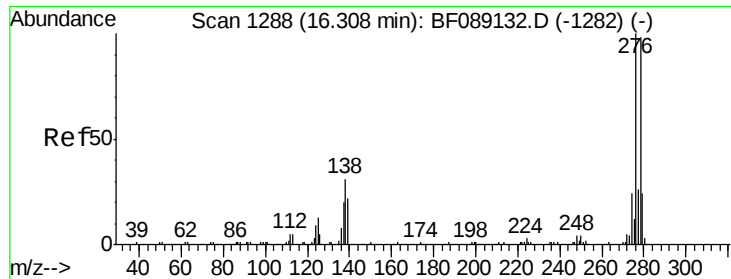
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#82
Chrysene
Concen: 36.56 ng m
RT: 13.74 min Scan# 1063
Delta R.T. 0.00 min
Lab File: BF089248.D
Acq: 23 Jul 2016 22:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.8
229	22.8	15.4	23.0





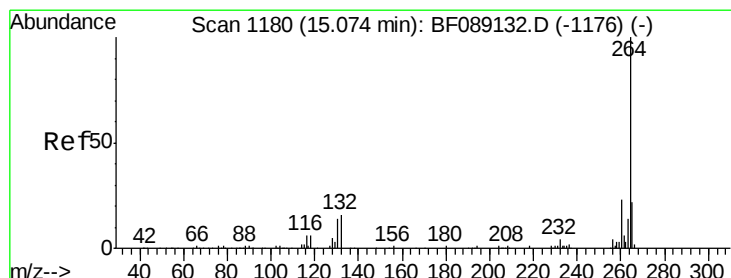
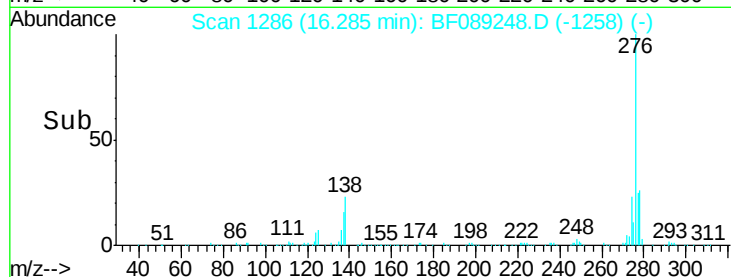
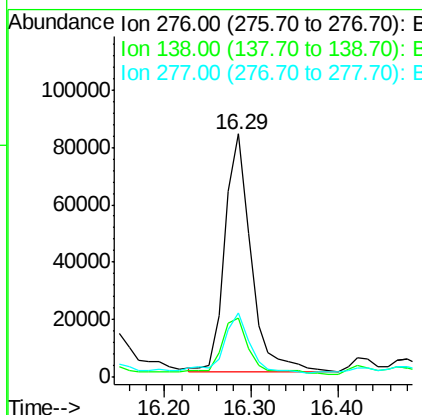
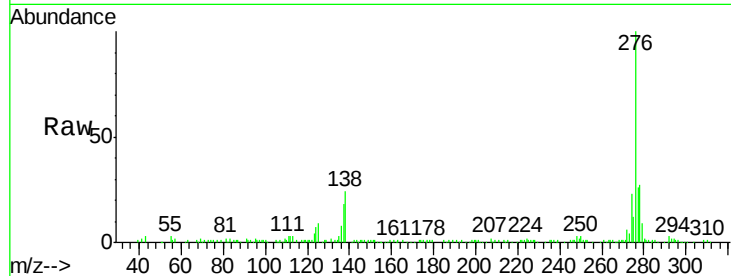
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 41.23 ng
 RT: 16.29 min Scan# 1286
 Delta R.T. 0.02 min
 Lab File: BF089248.D
 Acq: 23 Jul 2016 22:57

Instrument :
 BNA_F
 ClientSampleId :
 KMW-04-0.2-2.0

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	23.7	35.5
277	25.7	20.6	31.0

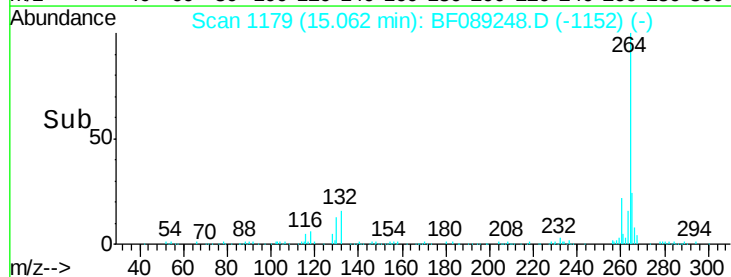
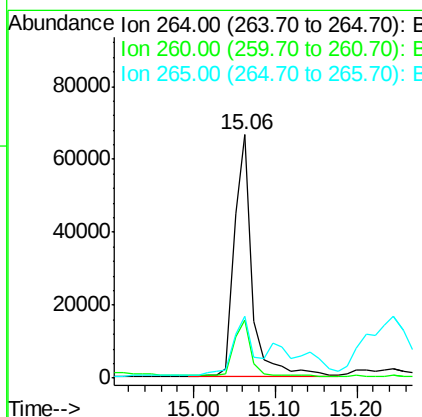
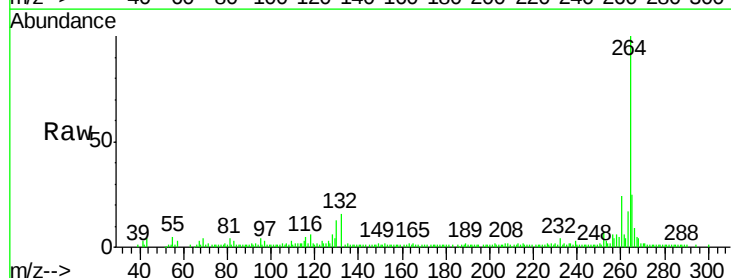
Manual Integrations

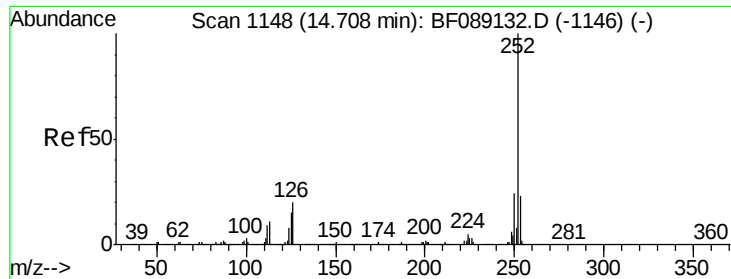
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.06 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: BF089248.D
 Acq: 23 Jul 2016 22:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.5	27.7
265	25.3	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 39.99 ng m

RT: 14.71 min Scan# 1148

Delta R.T. 0.01 min

Lab File: BF089248.D

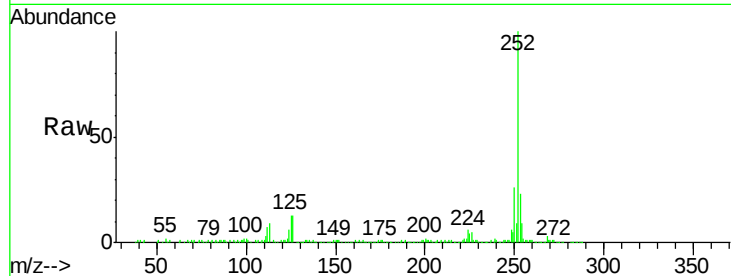
Acq: 23 Jul 2016 22:57

Instrument :

BNA_F

ClientSampleId :

KMW-04-0.2-2.0

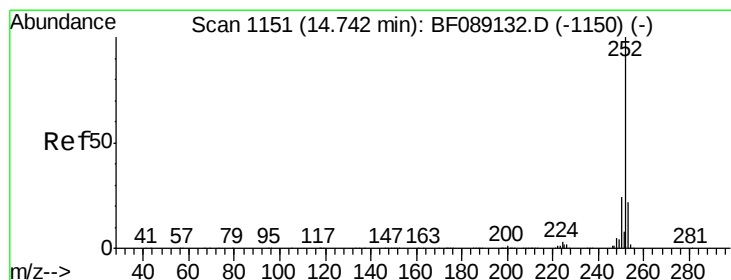
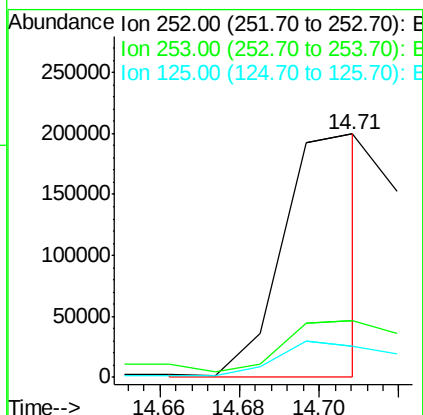
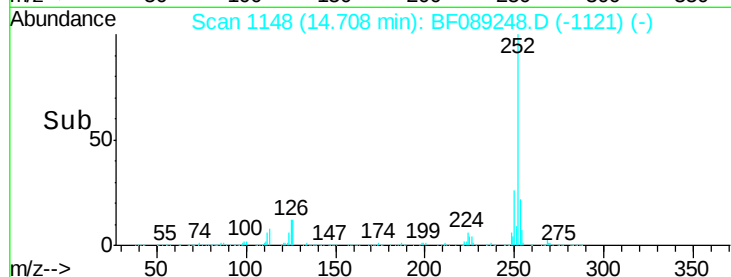


Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	12.8	11.9	17.9

Manual Integrations

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#88

Benzo(k)fluoranthene

Concen: 30.50 ng m

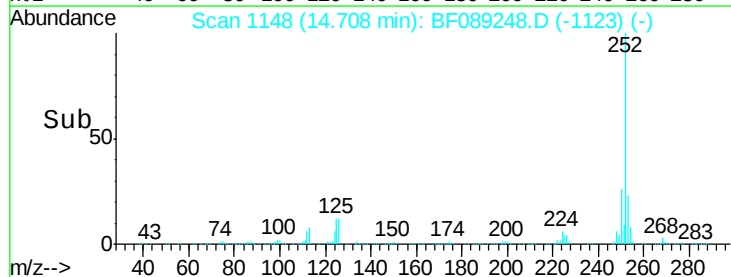
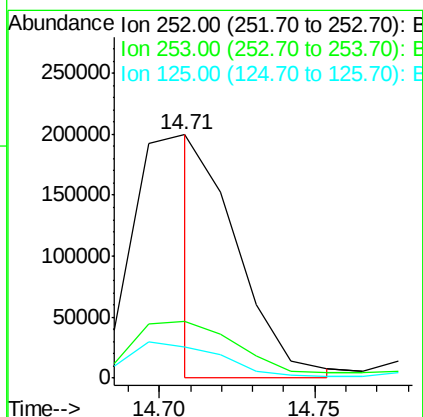
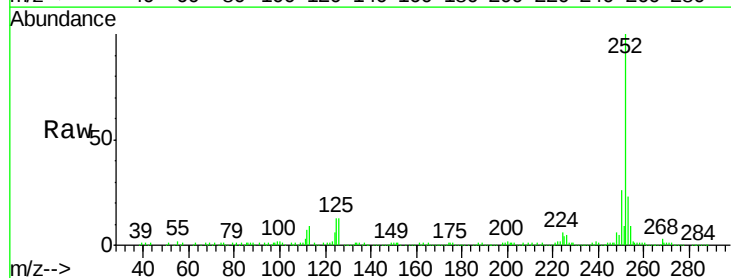
RT: 14.71 min Scan# 1148

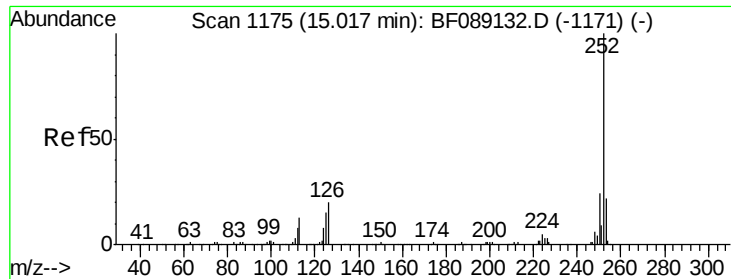
Delta R.T. -0.01 min

Lab File: BF089248.D

Acq: 23 Jul 2016 22:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.3	25.9
125	12.8	6.3	9.5#





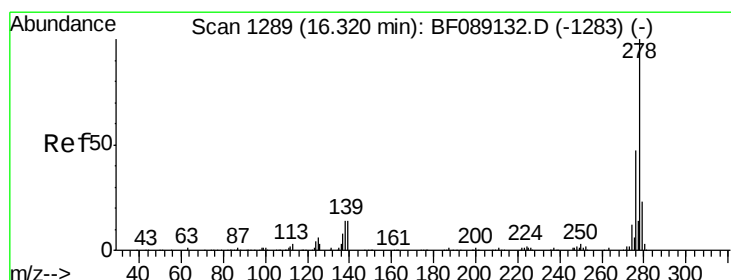
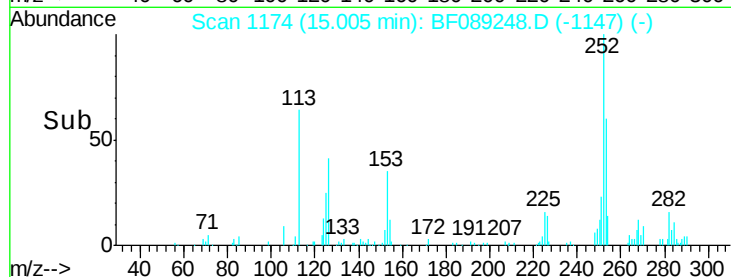
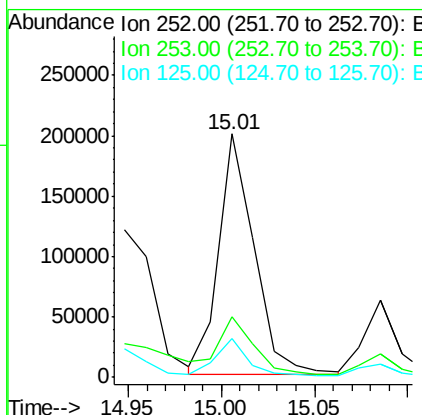
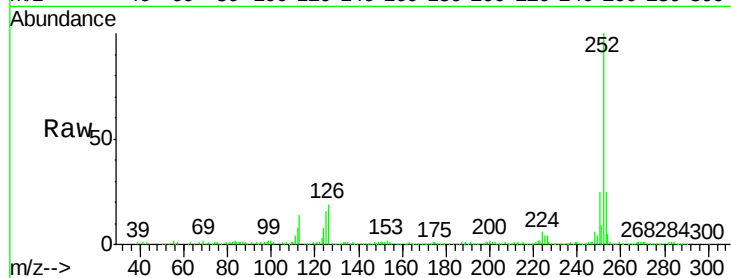
#89
Benzo(a)pyrene
Concen: 46.81 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF089248.D
Acq: 23 Jul 2016 22:57

Instrument :
BNA_F
ClientSampleId :
KMW-04-0.2-2.0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.4	26.0
125	15.9	12.4	18.6

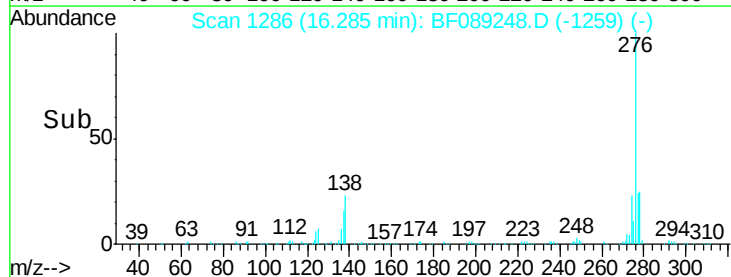
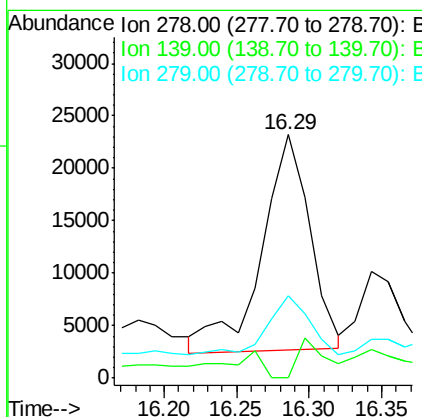
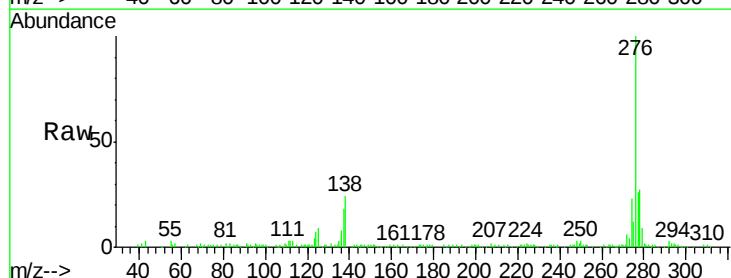
Manual Integrations

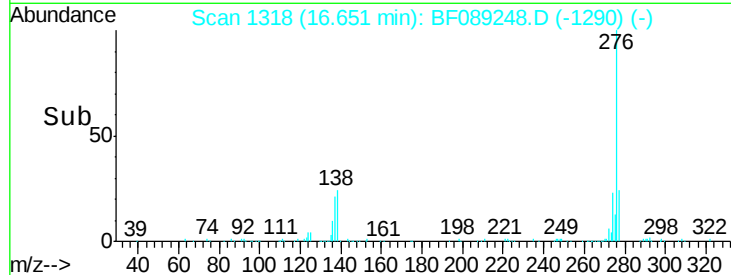
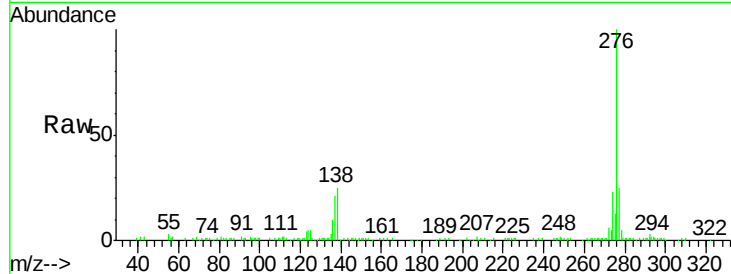
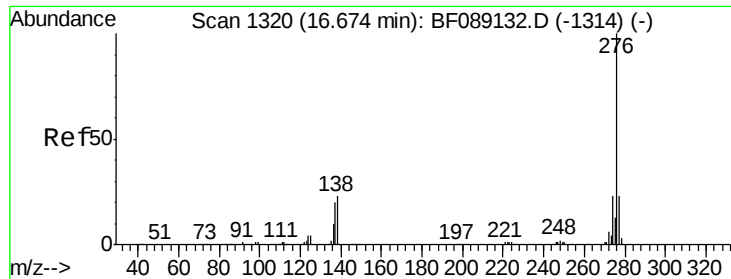
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#90
Dibenzo(a,h)anthracene
Concen: 10.51 ng
RT: 16.29 min Scan# 1286
Delta R.T. 0.01 min
Lab File: BF089248.D
Acq: 23 Jul 2016 22:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.4	17.2#
279	33.9	18.4	27.6#





#91
Benzo(g,h,i)perylene
Concen: 35.68 ng
RT: 16.65 min Scan# 1318
Delta R.T. 0.02 min
Lab File: BF089248.D
Acq: 23 Jul 2016 22:57

Instrument :
BNA_F
ClientSampleId :
KMW-04-0.2-2.0

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.5	27.7
138	25.4	18.5	27.7

Manual Integrations

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